

April 16, 2014

Memorandum

TO: Jan M. Ignash
Vice Chancellor of Academic and Student Affairs

FROM: Dr. Ralph C. Wilcox
Provost and Executive Vice President 
University of South Florida

SUBJECT: PhD in Rehabilitation Sciences

REFERENCE: BOG Memorandum of April 9, 2014

ENCLOSURES: (1) Amended Table 2
(2) Amended Table 3
(3) Amended Table 1-B
(4) Amended Cover Page
(5) Amended Table 4

Dear Dr. Ignash:

We are pleased to respond to your memorandum of April 9, 2014 in which you requested clarification on specific aspects of our proposal for a Ph.D. in Rehabilitation Sciences (CIP 51.2314). Please find the responses below and relevant attachments.

1. **BOG Question:** The proposal notes in the Need and Demand section (p. 4) that students who achieve a professional entry-level degree at the post-baccalaureate level are likely to pursue the PhD in Rehabilitation Sciences "in order to secure and advance in faculty careers." Included as evidence of this progression are estimates of the University of Miami DPT graduates who continue on to that school's PhD in Physical Therapy program. However, the proposal does not include data, taken from surveys or communication with prospective students, similarly documenting demand for USF's proposed PhD in Rehabilitation Sciences. Please strengthen this section by providing additional support for student demand for this type of program.
- **USF Response:** A compelling need has been documented in Section II, A & B to support the establishment of an inter-professional PhD in Rehabilitation Sciences degree program. Future faculty and researchers are required in increasing numbers to support the ongoing accreditation, expansion or creation of rehabilitation disciplines' educational programs to meet Florida's critical health workforce shortages in these disciplines. As best stated by Dr. Joseph Glover, UF Provost, "... there is a significant need for Ph.D. level rehabilitation faculty and an additional program (to UF's) will help address this issue." The career trajectory of graduates in rehabilitation science disciplines is often 3-5 years of clinical practice, residency and/or specialized practice before consideration of an academic career. Assessing student demand from professional entry-level program students tends to underestimate demand. A brief email survey of USF Health SPTRS DPT 2014 students was conducted with 4 of 32 students (10+ %) expressing interest in pursuing USF's proposed PhD degree program. This USF discipline specific data parallels that reported from the University of Miami's physical therapist education program in our Request. Along with the number of international inquiries fielded by USF SPTRS and the

plan to seek students from the full spectrum of rehabilitation disciplines should allow the Program to meet its very modest enrollment targets.

2. BOG Question: The proposal shows in Table 2, and describes in the Non-Faculty Resources narrative on p. 30, the creation of two additional assistantships on grants or contracts by year 5. With the anticipated enrollment of 20 PhD students in year 5 and a possibility of four graduate assistantships, a large portion of students will be responsible for tuition costs. What is the expected tuition rate of the PhD in Rehabilitation Sciences program and how has this been factored into the budget projections?

- USF Response: The tuition rate for the PhD in Rehabilitation Sciences will be the same as that currently established for the USF Tampa campus graduate credit of \$431.43 resident and \$877.17 non-resident rate per credit hour. As the funding for this Program is based upon the internal reallocation of faculty effort and the leveraging of existing SPTRS resources, these modest tuition dollars (given enrollment projections) have not been factored into the proposed budget as extra costs but only as reallocated base.

3. BOG Issue: A summary statement provided by the Library Director (p. 27-28) states current library resources are sufficient to support the program's implementation. However, current funding will not be adequate to sustain it. According to the Director, "sustained annual investments to maintain the recurring elements of this collection and to purchase newly published materials are required to preserve sufficiency...typical annual increases of 3-6% are likely." Expenses are currently included as E&G Reallocated Base in Table 2, but library costs are not. Please describe how the program or University will address these future costs incurred by the library and make any necessary changes to Table 2 and the cover page.

- USF Response: Dr. Quillen, Director, School of Physical Therapy & Rehabilitation Sciences (SPTRS) in consultation with Dr. William Garrison, Dean USF Libraries and Ms. Rose Bland, Director, Shimberg Health Sciences Library has identified an additional \$5,000 in reallocated E&G Base which will be applied towards annual Library expenses in support of the implementation of the PhD in Rehabilitation Sciences degree program. This is in addition to the annual assessment taken by USF Health on behalf of the SPTRS and the annual library earnings of the Lincoln Endowment. These dollars, along with the sustaining Fund for the USF System Libraries, including the Shimberg Health Sciences Library, should address the future costs incurred by the libraries in supporting the new doctoral program and are reflected in an amended Table 2 (enclosure 1), Table 3 (enclosure 2) and cover page table (enclosure 3).

4. BOG Issue: Table 1-B in Appendix A needs to be modified to make headcount figures cumulative after year 1. Currently, totals in the bottom row correctly show the cumulative enrollment, but the numbers in other rows do not. This prevents the columns from summing correctly. Please provide a corrected Table 1-B.

- USF Response: Please see amended Table 1-B attached.

5. BOG Issue: Table 4 in Appendix A is currently missing the faculty's highest degree held. The addition of this detail provides greater evidence of the qualification of the listed faculty to teach the inter-disciplinary PhD program. Please provide a corrected Table 4.

- USF Response: Please see an Amended Table 4 attached with faculty's highest degree noted.

If you have further questions, please contact us.

APPENDIX A

TABLE 2 PhD in Rehabilitation Sciences
PROJECTED COSTS AND FUNDING SOURCES

Instruction & Research Costs (non-cumulative)	Year 1							Year 5					
	Funding Source						Subtotal E&G, Auxiliary, and C&G	Funding Source					Subtotal E&G, Auxiliary, and C&G
	Reallocated Base* (E&G)	Enrollment Growth (E&G)	Other New Recurring (E&G)	New Non- Recurring (E&G)	Contracts & Grants (C&G)	Auxiliary Funds		Continuing Base** (E&G)	New Enrollment Growth (E&G)	Other*** (E&G)	Contracts & Grants (C&G)	Auxiliary Funds	
Faculty Salaries and Benefits	125,000	0	0	0	0	0	\$125,000	200,000	0	0	0	0	\$200,000
A & P Salaries and Benefits	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
USPS Salaries and Benefits	40,000	0	0	0	0	0	\$40,000	40,000	0	0	0	0	\$40,000
Other Personal Services	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Assistantships & Fellowships	70,000	0	0	0	0	0	\$70,000	70,000	0	0	70,000	0	\$140,000
Library	5,000	0	0	0	0	0	\$5,000	5,000	0	0	0	0	\$5,000
Expenses	5,000	0	0	0	0	0	\$5,000	5,000	0	0	0	0	\$5,000
Operating Capital Outlay	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Special Categories	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Total Costs	\$245,000	\$0	\$0	\$0	\$0	\$0	\$245,000	\$320,000	\$0	\$0	\$70,000	\$0	\$390,000

*Identify reallocation sources in Table 3.

**Includes recurring E&G funded costs ("reallocated base," "enrollment growth," and "other new recurring") from Years 1-4 that continue into Year 5.

***Identify if non-recurring.

Faculty and Staff Summary

Total Positions	Year 1	Year 5
Faculty (person-years)	0.9	1.45
A & P (FTE)	0	0
USPS (FTE)	1	1

Calculated Cost per Student FTE

	Year 1	Year 5
Total E&G Funding	\$245,000	\$320,000
Annual Student FTE	3.75	12.845
E&G Cost per FTE	\$65,333	\$24,912

Board of Governors, State University System of Florida

Request to Offer a New Degree Program

University of South Florida
University Submitting Proposal

Morsani College of Medicine
Name of College(s) or School(s)

Rehabilitation Sciences
Academic Specialty or Field

51.2314
Proposed CIP Code


Fall 2014

Proposed Implementation Term
School of Physical Therapy &
Rehabilitation Sciences
Name of Department(s)/ Division(s)

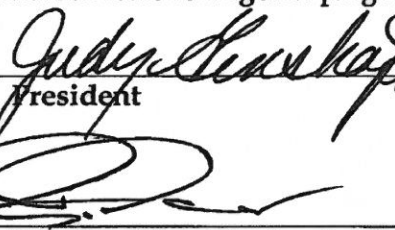
PhD in Rehabilitation Sciences
Complete Name of Degree

The submission of this proposal constitutes a commitment by the university that, if the proposal is approved, the necessary financial resources and the criteria for establishing new programs have been met prior to the initiation of the program.

12/5/13
Date Approved by the University Board of Trustees


Signature of Chair, Board of Trustees

1/17/14
Date


Vice President for Academic Affairs

1/14/14
Date
1/13/14
Date

Provide headcount (HC) and full-time equivalent (FTE) student estimates of majors for Years 1 through 5. HC and FTE estimates should be identical to those in Table 1 in Appendix A. Indicate the program costs for the first and the fifth years of implementation as shown in the appropriate columns in Table 2 in Appendix A. Calculate an Educational and General (E&G) cost per FTE for Years 1 and 5 (Total E&G divided by FTE).

Implementation Timeframe	Projected Enrollment (From Table 1)	
	HC	FTE
Year 1	4	3.75
Year 2	9	7.31
Year 3	15	10.03
Year 4	18	11.90
Year 5	20	12.85

Projected Program Costs (From Table 2)				
E&G Cost per FTE	E&G Funds	Contract & Grants Funds	Auxiliary Funds	Total Cost
\$65,333	\$245,000	-	-	\$240,000
\$24,912	\$320,000	\$70,000	-	\$390,000

Note: This outline and the questions pertaining to each section must be reproduced within the body of the proposal to ensure that all sections have been satisfactorily addressed. Tables 1 through 4 are to be included as Appendix A and not reproduced within the body of the proposals because this often causes errors in the automatic calculations.

APPENDIX A

**TABLE 3 PhD in Rehabilitation Sciences
ANTICIPATED REALLOCATION OF EDUCATION & GENERAL FUNDS***

Program and/or E&G account from which current funds will be reallocated during Year 1	Base before reallocation	Amount to be reallocated	Base after reallocation
HSC 10000 614000 0000000 000000	Est. \$3.24 M	Est \$245K	Est. \$2.995M
Totals	Est. \$3.24M	Est. \$245K	Est. \$2.995M

*** If not reallocating funds, please submit a zeroed Table 3**

APPENDIX A
TABLE 1-B PhD in Rehabilitation Sciences
PROJECTED HEADCOUNT FROM POTENTIAL SOURCES
(Graduate Degree Program)

Source of Students (Non-duplicated headcount in any given year)*	Year 1		Year 2		Year 3		Year 4		Year 5	
	HC	FTE	HC	FTE	HC	FTE	HC	FTE	HC	FTE
Individuals drawn from agencies/industries in your service area (e.g., older returning students)										
Students who transfer from other graduate programs within the university**										
Individuals who have recently graduated from preceding degree programs at this university	2		4		6		7		8	
Individuals who graduated from preceding degree programs at other Florida public universities	1		3		4		5		4	
Individuals who graduated from preceding degree programs at non-public Florida institutions					1		2		3	
Additional in-state residents***										
Additional out-of-state residents***	1		2		3		3		3	
Additional foreign residents***					1		1		2	
Other (Explain)***										
Totals	4	3.75	9	7.313	15	10.031	18	11.907	20	12.845

* List projected annual headcount of students enrolled in the degree program. List projected yearly cumulative ENROLLMENTS instead of admissions.

** If numbers appear in this category, they should go DOWN in later years.

*** Do not include individuals counted in any PRIOR category in a given COLUMN.

APPENDIX A

**TABLE 4 PhD in Rehabilitation Sciences
ANTICIPATED FACULTY PARTICIPATION**

Faculty Code	Faculty Name or "New Hire" Highest Degree Held Academic Discipline or Speciality	Rank	Contract Status	Initial Date for Participation in Program	Mos. Contract Year 1	FTE Year 1	% Effort for Prg. Year 1	PY Year 1	Mos. Contract Year 5	FTE Year 5	% Effort for Prg. Year 5	PY Year 5
A	William Quillen, DPT, PhD Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.10	0.10
A	Laura Swisher, PT, MDiv, PhD Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.10	0.10
A	John Mayer, DC, PhD Physical Therapy	Assoc Professor	Tenured	Fall 2014	12	1.00	0.25	0.25	12	1.00	0.25	0.25
A	Jason Highsmith, DPT,CPO,PhD Physical Therapy	Assoc Professor	Tenured	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.15	0.15
A	Seok Kim,PT,PhD Physical Therapy	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Aimee Klein, DPT, DSc Physical Therapy	Assoc Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Gina Musolino, PT, EdD Physical Therapy	Assoc Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Heather Hartsell, PT, PhD Physical Therapy	Assoc Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Rose Pignataro, DPT, PhD Physical Therapy	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Naoki Tajiri, PT, PhD Physical Therapy/NS	Asst Professor	MYA	Fall 2014	12	1.00	0.00	0.00	12	1.00	0.10	0.10
A	New Hire	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.15	0.15
A	New Hire	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.10	0.10
A	New Hire	Asst Professor	Tenure Track	Fall 2015	12	1.00	0.00	0.00	12	1.00	0.15	0.15
C	New Hire	Asst Professor	Tenure Track	Spring 2016	12	1.00	0.00	0.00	12	1.00	0.10	0.10
Total Person-Years (PY)								0.90				1.45

Faculty Code		Source of Funding	PY Workload by Budget Classification	
			Year 1	Year 5
A	Existing faculty on a regular line	Current Education & General Revenue	0.80	0.95
B	New faculty to be hired on a vacant line	Current Education & General Revenue	0.10	0.25
C	New faculty to be hired on a new line	New Education & General Revenue	0.00	0.25
D	Existing faculty hired on contracts/grants	Contracts/Grants	0.00	0.00
E	New faculty to be hired on contracts/grants	Contracts/Grants	0.00	0.00
Overall Totals for			Year 1 0.90	Year 5 1.45



DATE: April 9, 2014

MEMORANDUM

TO: Dr. Ralph C. Wilcox
Provost and Executive Vice President
University of South Florida

FROM: Dr. Jan M. Ignash
Vice Chancellor of Academic and Student Affairs

SUBJECT: Ph.D. in Rehabilitation Sciences (CIP 51.2314)

The initial review of the Ph.D. in Rehabilitation Sciences (CIP 51.2314) has been completed and the following clarifications are needed before it can be placed on the agenda for the June Board of Governors meeting.

- The proposal notes in the Need and Demand section (p.4) that students who achieve a professional entry-level degree at the post-baccalaureate level are likely to pursue the PhD in Rehabilitation Sciences "in order to secure and advance in faculty careers." Included as evidence of this progression are estimates of the University of Miami DPT graduates who continue on to that school's PhD in Physical Therapy program. However, the proposal does not include data, taken from surveys or communication with prospective students, similarly documenting demand for USF's proposed PhD in Rehabilitation Sciences. Please strengthen this section by providing additional support for student demand for this type of program.
- The proposal shows in Table 2, and describes in the Non-Faculty Resources narrative on p. 30, the creation of two graduate assistantships in year 1 and an anticipated funding of two additional assistantships on grants or contracts by year 5. With the anticipated enrollment of 20 PhD students in year 5 and a possibility of four graduate assistantships, a large portion of the students will be responsible for tuition costs. What is the expected tuition rate of the PhD in

Rehabilitation Sciences program and how has this been factored into the budget projections?

- A summary statement provided by the Library Director (p. 27-28) states current library resources are sufficient to support the program's implementation. However, current funding will not be adequate to sustain it. According to the Director, "sustained annual investments to maintain the recurring elements of this collection and to purchase newly published materials are required to preserve sufficiency...typical annual increases of 3-6% are likely." Expenses are currently included as E&G Reallocated Base in Table 2, but library costs are not. Please describe how the program or University will address these future costs incurred by the library and make any necessary changes to Table 2 and the cover page.
- Table 1-B in Appendix A needs to be modified to make headcount figures cumulative after year 1. Currently, totals in the bottom row correctly show the cumulative enrollment, but the numbers in the other rows do not. This prevents the columns from summing correctly. Please provide a corrected Table 1-B.
- Table 4 in Appendix A is currently missing the faculty's highest degree held. The addition of this detail provides greater evidence of the qualification of the listed faculty to teach the inter-disciplinary PhD program. Please provide a corrected Table 4.

Your response by April 29, 2014 will help to ensure that the program is placed on the June agenda for consideration by the Board of Governors. Should you have questions, please contact Richard Stevens at (850) 245-9702, or richard.stevens@flbog.edu.

JMI/atb

c: Mr. Richard Stevens

Board of Governors, State University System of Florida

Request to Offer a New Degree Program

University of South Florida

University Submitting Proposal

Morsani College of Medicine

Name of College(s) or School(s)

Rehabilitation Sciences

Academic Specialty or Field

51.2314

Proposed CIP Code

Fall 2014

Proposed Implementation Term

School of Physical Therapy &
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Name of Department(s)/ Division(s)

PhD in Rehabilitation Sciences

Complete Name of Degree

The submission of this proposal constitutes a commitment by the university that, if the proposal is approved, the necessary financial resources and the criteria for establishing new programs have been met prior to the initiation of the program.

12/5/13

Date Approved by the University Board of
TrusteesSignature of Chair, Board of
Trustees

1/17/14

Date

President

Vice President for Academic
Affairs

1/14/14

Date

1/13/14

Date

Provide headcount (HC) and full-time equivalent (FTE) student estimates of majors for Years 1 through 5. HC and FTE estimates should be identical to those in Table 1 in Appendix A. Indicate the program costs for the first and the fifth years of implementation as shown in the appropriate columns in Table 2 in Appendix A. Calculate an Educational and General (E&G) cost per FTE for Years 1 and 5 (Total E&G divided by FTE).

Implementation Timeframe	Projected Enrollment (From Table 1)	
	HC	FTE
Year 1	4	3.63
Year 2	9	7.66
Year 3	15	10.85
Year 4	18	12.91
Year 5	20	14.06

Projected Program Costs (From Table 2)				
E&G Cost per FTE	E&G Funds	Contract & Grants Funds	Auxiliary Funds	Total Cost
\$66,206	\$240,000	-	-	\$240,000
\$22,404	\$315,000	\$70,000	-	\$385,000

Note: This outline and the questions pertaining to each section must be reproduced within the body of the proposal to ensure that all sections have been satisfactorily addressed. Tables 1 through 4 are to be included as Appendix A and not reproduced within the body of the proposals because this often causes errors in the automatic calculations.

INTRODUCTION

I. Program Description and Relationship to System-Level Goals

- A. Briefly describe within a few paragraphs the degree program under consideration, including (a) level; (b) emphases, including concentrations, tracks, or specializations; (c) total number of credit hours; and (d) overall purpose, including examples of employment or education opportunities that may be available to program graduates.

Rehabilitation Science, as defined by the Institute of Medicine, encompasses "basic and applied aspects of health services, social sciences, and engineering as they are related to restoring human functional capacity and improving a person's interaction with the surrounding environment". "As such, Rehabilitation Science is, by definition, interdisciplinary and extends beyond the boundaries of traditional academic departments. **Rehabilitation Science** is an interdisciplinary field of study that seeks to understand the relationships among physiological and psychosocial causes, course and consequences of functional disability and how to improve health-related quality of life by enabling human function and performance. This field draws its body of knowledge from multiple disciplines spanning the physiological, health, and social sciences in order to approach the individual who lives with or is at risk of disability as a complete person with a full appreciation of the biopsychosocial environment in which that person functions". (*Enabling America*, National Academy of Sciences, National Academies Press, 2004)

The University of South Florida School of Physical Therapy & Rehabilitation Sciences (SPTRS) is *uniquely* qualified to offer an interdisciplinary PhD in Rehabilitation Sciences based on the interdisciplinary composition and extensive interprofessional experience of its faculty, curriculum, and research portfolio. The interdisciplinary focus of the proposed program on rehabilitation sciences will distinguish the program from more traditional PhD programs within the state and nation.

Level: PhD

Concentrations: Chronic Disease, Veteran's Health/Reintegration, Neuromusculoskeletal Disability

Total Credit Hours: 66

Overall Purpose: The purpose of the proposed program is to prepare faculty researchers who will contribute to the development of rehabilitation practice, research and education in an emerging 21st century health care environment. Graduates of the proposed PhD program in Rehabilitation Sciences are expected to demonstrate advanced knowledge and productivity related to research, education, and service delivery through interprofessional collaborations designed to generate and extend knowledge that is focused and evidence-based.

Examples of employment opportunities available to program graduates: Numerous faculty vacancies currently exist (>300) in core rehabilitation disciplines within Florida colleges and universities and nationally, e.g. physical therapy, audiology, occupational therapy, athletic training, rehabilitation counseling, prosthetics and orthotics and chiropractic as examples. As an example, the Commission on Accreditation in Physical Therapy Education (CAPTE), Physical Therapy education's specialized accreditor has documented that there are at least 267 open faculty positions in physical therapist education programs. In addition 40% of physical therapy core academic faculties are over the age of 55. (Commission on Accreditation in Physical Therapy Education: *2011-2012 Fact Sheet Physical Therapist Education Programs*, Updated 03/04/2013, accessed 04/19/13

http://www.capteonline.org/uploadedFiles/CAPTEorg/About_CAPTE/Resources/Aggregate_Program_Data/AggregateProgramData_PTPrograms.pdf) While these data are specific to physical therapy academia, similar faculty vacancies may be extrapolated to and found in other rehabilitation disciplines and frequently pose a barrier to new program initiation and achieving or maintaining programmatic accreditation or expanding enrollments at existing institutions to meet emerging societal needs. Human longevity has accelerated the need for scholars, researchers, administrators and policy analysts in rehabilitation sciences. We seek qualified students primarily drawn from the rehabilitation disciplines. This program's goal will be to create a new generation of faculty with a broad perspective of enablement that can be linked to the economic development and betterment of the health and welfare of the citizens of our

state and society. This program aligns with our USF System and Tampa campus strategic plans to achieve AAU status. ***The Rehabilitation Sciences PhD program would align USF with other AAU institutions that have existing or recently established PhD programs in Rehabilitation Sciences, including both USF institutional and aspirational peers.***

- B. Describe how the proposed program is consistent with the current State University System (SUS) Strategic Planning Goals. Identify which specific goals the program will directly support and which goals the program will indirectly support. (See the SUS Strategic Plan at <http://www.flbog.edu/pressroom/strategicplan.php>)

The PhD degree program in Rehabilitation Sciences *strongly aligns* with the FL BOG Strategic Priorities and Goals for 2012-2025;

- (1) **Teaching & Learning**- Educating the next generation of faculty scholars and researchers to populate the graduate and professional educational programs which train the future health care workforce, increasing the number of degrees awarded in STEM area of strategic emphasis;
- (2) **Scholarship, Research & Innovation**- Converting university research in rehabilitation sciences into the commercialization or improvement of products, such as mobility aids, prosthetics and therapeutic robotics, while strengthening the University's reputation for the quality of scholarship, research and innovation;
- (3) **Community & Business Engagement**- Increasing faculty capacity to support a vibrant healthcare workforce. Our PhD program is an integral component of our USF-Tampa Veteran's Reintegration Strategy. We currently enjoy business connections with MedX/WellTek, Symmetry and TRS corporations. The PhD program will become the hub through which existing USF Health and Tampa campus academic assets can leverage the full capability of USF within the SUS in addressing the needs of Florida's population thus enhancing our engagement with communities and business entities.

The PhD degree program in Rehabilitation Sciences is *also strongly aligned* with the USF System Strategic Plan Goals to: (1) **create well-educated and highly skilled global citizens** through our continuing commitment to student success; (2) **develop high-impact research and innovation** to change lives, improve health, and foster sustainable development and positive society change; (3) **build a highly effective, major economic engine**, creating new partnerships to build a strong and sustainable future for Florida in the global economy and (4) provide sound financial management to **establish a strong and sustainable economic base** in support of USF's continued academic advancement.

- C. If the program is to be included in an Area of Programmatic Strategic Emphasis as described in the SUS Strategic Plan, please indicate the category and the justification for inclusion.

The PhD degree program in Rehabilitation Sciences will address three (3) areas of strategic emphasis described in the SUS Strategic Plan. We will meet a documented regional, state and national workforce demand for qualified health professions faculty (Education & Health Professions) to populate the faculty of high wage/high demand programs such as Physical Therapy (39% growth), Occupational Therapy (33% growth) and Rehabilitation Counseling (28% growth) – (data accessed from Bureau of Labor Statistics, United States Department of Labor: *Occupation Outlook Handbook, Healthcare*, accessed 04/19/13 <http://www.bls.gov/ooh/healthcare/home.htm>).

The PhD degree program in Rehabilitation Sciences will develop and enhance the research preparation capabilities of degreed rehabilitation professionals to expand life science scholarship and research (STEM) related to enablement-disablement and quality of life issues emerging in our society. The latter holds the greatest potential for engagement and partnership with a variety of state and federal governmental agencies, industries and the private business sector challenged to forecast and meet the needs of a rapidly aging population. Florida Department of Elder Affairs estimates 9.76 million Floridians are headed toward and will be turning 65 within the next nine years.

- D. Identify any established or planned educational sites at which the program is expected to

be offered and indicate whether it will be offered only at sites other than the main campus.

The PhD degree program in Rehabilitation Sciences will be hosted by the School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine, USF Health on the USF Tampa campus. At present, there are no plans for offering the degree at any other sites.

INSTITUTIONAL AND STATE LEVEL ACCOUNTABILITY

II. Need and Demand

- A. **Need:** Describe national, state, and/or local data that support the need for more people to be prepared in this program at this level. Reference national, state, and/or local plans or reports that support the need for this program and requests for the proposed program which have emanated from a perceived need by agencies or industries in your service area. Cite any specific need for research and service that the program would fulfill.

As previously cited, there are currently over 250 vacancies in physical therapy program faculties as of this writing. Additional vacancies are projected due to retirement of large numbers of "baby boomer" faculty members of which >40% are over the age of 55. The same trends are occurring Occupational Therapy and Speech Therapy/Audiology programs and Rehabilitation Counseling faculty albeit in slightly lower numbers due to the relatively fewer number of programs.

The State of Florida currently hosts in the public and independent college sector the following number of rehabilitation and rehabilitation related education programs:

- 11 Physical Therapist education programs;
- 19 Physical Therapist Assistant educational programs;
- 7 Occupational Therapist education programs;
- 16 Occupational Therapist Assistant educational programs;
- 3 Audiologist education programs;
- 3 Rehabilitation Counseling education programs;
- 1 Prosthetics and Orthotics education program;
- 7 Speech-Language Pathology education programs and
- 14 Athletic Training educational programs.

These programs experience at least 1 faculty vacancy during any given academic year, with many positions remaining unfilled for multiple years. There are a growing number of PhD degree programs in Rehabilitation Sciences being established nationally. There is one SUS program at the University of Florida. The PhD degree in Rehabilitation Sciences most often enrolls students from the core rehabilitation disciplines (physical therapy, occupational therapy, audiology, speech/language pathology, rehabilitation counseling, rehabilitation engineering) who have achieved their professional entry-level degree/licensure at a post-baccalaureate level and in order to qualify for an academic faculty appointment or to secure advancement in their current position must have completed a post-professional academic doctoral degree.

With respect to research and service needs, all rehabilitation based and related educational programs' faculty are being held to enhanced expectations for scholarship and research activity, especially in the area of evidence-based practice. In one well-established and highly ranked DPT program in the state of Florida at the University of Miami - Miller School of Medicine, it is estimated that annually about 7-10% of their program graduates go on to pursue the PhD degree or about 2-4 students per year (personal communication - Dr. Sherrill Hayes-Chair, UM Department of Physical Therapy). If that number were to be extrapolated against just the current 211+ accredited programs in physical therapy, a potential pool of over 400 student applicants would be estimated. The USF SPTRS has also frequently been contacted by international students (2-3 per semester) inquiring about the availability of a PhD program in Rehabilitation Sciences.

- B. **Demand:** Describe data that support the assumption that students will enroll in the proposed program. Include descriptions of surveys or other communications with

prospective students.

CAPTE has continuously documented a shortage of academic physical therapy faculty for the current 212 accredited programs and currently *there are an additional twenty-four (24) developing, not yet accredited Physical Therapist education programs seeking faculty* (Commission on Accreditation in Physical Therapy Education: *Number of PT and PTA Programs*, Updated 03/04/2013, accessed 04/19/13 (http://www.capteonline.org/uploadedFiles/CAPTEorg/About_CAPTE/Resources/Aggregate_Program_Data/AggregateProgramData_PTPrograms.pdf)). Students now graduate with the Doctor of Physical Therapy (DPT) or at many institutions the Doctor of Occupational Therapy (OTD) first-professional degree. Students recognize the need for more extensive education in research methodology and statistics in order to conduct clinical studies, pursue evidence-based practice and recognize that an academic doctoral degree is necessary to secure and advance in a faculty career. CAPTE now requires (Collective Core Faculty Standard F-18, page 16) Evaluative Criteria for Physical Therapist Programs, Commission on Accreditation in Physical Therapy Education, Updated 03/04/2013, accessed 4/19/13 (http://www.capteonline.org/uploadedFiles/CAPTEorg/About_CAPTE/Resources/Accreditation_Handbook/EvaluativeCriteria_PT.pdf) that programs, "provide evidence that at least 50% of the core faculty have an advanced doctoral degrees. If necessary provide a plan to achieve this blend." A PhD degree program in Rehabilitation Sciences would be most appealing for these faculty and other rehabilitation-related disciplines due to its interprofessional nature. The lack of academically qualified faculty is the rate limiting step for initial program establishment or existing health professions programs' expansion.

- C. If substantially similar programs (generally at the four-digit CIP Code or 60 percent similar in core courses), either private or public exist in the state, identify the institution(s) and geographic location(s). Summarize the outcome(s) of communication with such programs with regard to the potential impact on their enrollment and opportunities for possible collaboration (instruction and research). In Appendix B, provide data that support the need for an additional program as well as letters of support, or letters of concern, from the provosts of other state universities with substantially similar programs.

There is a PhD in Rehabilitation Sciences degree program (CIP 51.2314) offered at the University of Florida in Gainesville. Informal verbal concurrence was obtained at the March 2013 CAVP's meeting. A request for a letter of concurrence has been sent by the USF Provost's Office to the University of Florida and is included in this proposal. *The state of Florida has a robust health care professions educational industry in both public and private institutions which is creating a growing demand for qualified faculty to expand the capacity of existing programs or to establish new programs. Over 260 positions for post-secondary health specialties faculty were advertised statewide in February 2013! See the following table from the FLDEO, Bureau of Labor Market Statistics.*

STEM Jobs In Demand, Statewide Summary—February 2013
STEM Occupational Demand by Major Groups

Top Advertised STEM Occupations by Major Group		Online Ads February 2013	Online Ads February 2012	Percentage Change
Major Group	Occupation			
Healthcare Practitioners and Technical Occupations		26,256	20,438	28.5%
	Registered Nurses	14,856	11,670	
	Critical Care Nurses	2,365	1,638	
	Physician Assistants	906	660	
Computer and Mathematical Occupations		18,291	16,709	9.5%
	Computer User Support Specialists	3,242	2,494	
	Computer Systems Analysts	3,046	3,242	
	Network and Computer Systems Administrators	2,757	2,418	
Architecture and Engineering Occupations		5,250	4,848	8.3%
	Industrial Engineers	1,167	1,132	
	Mechanical Engineers	621	713	
	Electrical Engineers	621	617	
Business and Financial Operations Occupations		5,170	4,385	17.9%
	Accountants	3,098	2,558	
	Auditors	918	718	
	Financial Analysts	620	638	
Management Occupations		3,710	3,544	4.7%
	Financial Managers, Branch or Department	1,776	1,685	
	Computer and Information Systems Managers	755	707	
	Treasurers and Controllers	398	353	
Life, Physical, and Social Science Occupations		968	743	30.3%
	Medical Scientists, Except Epidemiologists	442	322	
	Environmental Scientists and Specialists, Including Health	79	62	
	Biological Technicians	78	76	
Education, Training, and Library Occupations		780	802	-2.7%
	Health Specialties Teachers, Postsecondary	260	258	
	Nursing Instructors and Teachers, Postsecondary	141	148	
	Biological Science Teachers, Postsecondary	80	70	
Sales and Related Occupations		253	248	2.0%
	Sales Engineers	253	248	
Arts, Design, Entertainment, Sports, and Media Occupations		183	164	11.6%
	Broadcast Technicians	114	96	
	Commercial and Industrial Designers	38	40	
	Sound Engineering Technicians	31	28	
Installation, Maintenance, and Repair Occupations		146	158	-7.6%
	Medical Equipment Repairers	87	79	
	Computer, Automated Teller, and Office Machine Repairers	33	42	
	Electrical and Electronics Repairers, Commercial and Industrial	26	37	
Production Occupations		52	52	0.0%
	Computer Numerically Controlled Machine Tool Programmers, Nuclear Power Reactor Operators	49	52	
		3	-	
Transportation and Material Moving Occupations		8	6	33.3%
	Traffic Technicians	8	6	

SOURCE: The Conference Board, Help Wanted OnLine, prepared by the Florida Department of Economic Opportunity, Bureau of Labor Market Statistics.


- D. Use Table 1 in Appendix A (A for undergraduate and B for graduate) to categorize projected student headcount (HC) and Full Time Equivalents (FTE) according to primary sources. Generally undergraduate FTE will be calculated as 40 credit hours per year and graduate FTE will be calculated as 32 credit hours per year. Describe the rationale underlying enrollment projections. If, initially, students within the institution are expected to change majors to enroll in the proposed program, describe the shifts from disciplines that will likely occur.

We do not anticipate students in other doctoral programs changing majors within the institution for this PhD degree program as the admissions requirements are quite specific to those with post-baccalaureate qualifying rehabilitation discipline or rehabilitation related degrees. We do believe that *this program will draw new graduate students to USF* due to interest among our own DPT graduates, other SUS DPT graduates, and other SUS rehabilitation or rehabilitation related graduates who are attracted to our innovative interprofessional curriculum, state of the art research facilities, prominent faculty, linkage to the campus Veteran's Reintegration Initiative, and the outstanding employment and career advancement opportunities for PhD graduates in rehabilitation sciences.

- E. Indicate what steps will be taken to achieve a diverse student body in this program. If the proposed program substantially duplicates a program at FAMU or FIU, provide, (in consultation with the affected university), an analysis of how the program might have an

impact upon that university's ability to attract students of races different from that which is predominant on their campus in the subject program. The university's Equal Opportunity Officer shall review this section of the proposal and then sign and date in the area below to indicate that the analysis required by this subsection has been reviewed and approved.

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine (MCOM), USF Health attracts a diverse student body to its entry-level Doctor of Physical Therapy degree program from qualified resident and non-resident domestic students. The School and Morsani College of Medicine, USF Health fully supports the University of South Florida's mission, goals, values and vision as they relate to diversity. Student policies, practices, recruitment and retention reflect the School and College's mutual goal of cultural competence, diversity and inclusion. Within the current professional Doctor of Physical Therapy degree program, 11% of students are African-American and 3% Asian- American. We anticipate our diversity will only continue to increase with the initiation of this PhD program and gaining the ability to enroll international students. We intend to broadly market this new degree program throughout Florida and the United States in publications that focus on student diversity and academic programs. We will utilize USF Health, MCOM and SPTRS's existing marketing and recruitment strategies through our professional associations and conferences to promote the program. Through consultation with USF World, we will reach out to USF's partnering institutions in China, UK, India and Panama about the establishment of the program. At this time, neither FAMU nor FIU currently offer a PhD in Rehabilitation Science, therefore we will not impact those institutions.

 Signature of Equal Opportunity Officer	4/23/13 Date
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III. Budget

- A. Use Table 2 in Appendix A to display projected costs and associated funding sources for Year 1 and Year 5 of program operation. Use Table 3 in Appendix A to show how existing Education & General funds will be shifted to support the new program in Year 1. In narrative form, summarize the contents of both tables, identifying the source of both current and new resources to be devoted to the proposed program. (Data for Year 1 and Year 5 reflect snapshots in time rather than cumulative costs.) If the university intends to operate the program through continuing education on a cost-recovery basis or market rate, provide a rationale for doing so and a timeline for seeking Board of Governors' approval, if appropriate.

See Table 2 in Appendix A. The program will be initiated and supported through reallocation of existing SPTRS faculty effort, planned new faculty hires and the inclusion of graduate assistantship positions in future faculty grants and contracts by Year 5. Please note that the E&G Cost per FTE appears higher than other CIP 51.XXX due to SPTRS faculty being on 12 month contracts.

- B. If other programs will be impacted by a reallocation of resources for the proposed program, identify the program and provide a justification for reallocating resources. Specifically address the potential negative impacts that implementation of the proposed program will have on related undergraduate programs (i.e., shift in faculty effort, reallocation of instructional resources, reduced enrollment rates, greater use of adjunct faculty and teaching assistants). Explain what steps will be taken to mitigate any such impacts. Also, discuss the potential positive impacts that the proposed program might have on related undergraduate programs (i.e., increased undergraduate research opportunities, improved quality of instruction associated with cutting-edge research, improved labs and library resources).

There will be a reallocation of current, planned and future faculty effort, and administrative staff resources to support the proposed PhD program from the School's existing E&G. There is

no reallocation of resources from any undergraduate program. We do not have any undergraduate programs impacted by the implementation of this program. There are numerous potentially positive impacts of this program on related undergraduate programs in such areas as: enhanced undergraduate research opportunities in rehabilitation counseling, public health, mental health, nursing, exercise science, engineering, biomedical sciences and gerontology. Enhanced undergraduate opportunities for research may encourage these students to seek out related graduate or professional rehabilitation or rehabilitation related degree programs they would not have known about previously. Attracting or retaining highly qualified graduate students for an initial or additional 3 years of graduate study at USF is a positive development for the institution.

- C. Describe other potential impacts on related programs or departments (e.g., increased need for general education or common prerequisite courses, or increased need for required or elective courses outside of the proposed major).**

There is no increased need for general education or other prerequisite courses for this new degree program. Concentrations will be built from existing graduate courses as listed in the USF Graduate Course catalog.

- D. Describe what steps have been taken to obtain information regarding resources (financial and in-kind) available outside the institution (businesses, industrial organizations, governmental entities, etc.). Describe the external resources that appear to be available to support the proposed program.**

Current School of Physical Therapy & Rehabilitation Sciences extramural funding for AY 12-13 is approximately \$1.3M or an average of ~\$170K per core academic faculty member. Grant writing and submission activity has continued to increase exponentially with the appointment of new faculty. Federal Grants will be sought from Department of Defense (DOD), Veteran's Administration (VA), Federal Emergency Management Administration (FEMA) and the National Institutes of Health (NIH) for each of the proposed concentration areas. SPTRS's prior grant activity with FEMA and DOD, partnered with the campus Veteran's Health/Reintegration Initiative, positions us to seek further DOD funding. DOD has placed a high priority on support of Rehabilitation Sciences graduate education and research through the Congressionally Directed Medical Research Program (CDMRP) and the Peer Reviewed Orthopaedic Research Program (PRORP) funding mechanisms. National foundations such as American Cancer Society, Council on Aging, and American Heart Association will be pursued for grants in the Neuromusculoskeletal Disability and Chronic Disease content areas to meet our state's needs of the growing wounded warrior and aging population. SPTRS's solid track record with industry sponsorship (MedX/WellTek, Symmetry, and TRS) and receipt of I4 Technology Corridor Matching funds will be leveraged in support of the new PhD program.

IV. Projected Benefit of the Program to the University, Local Community, and State

Use information from Tables 1 and 2 in Appendix A, and the supporting narrative for "Need and Demand" to prepare a concise statement that describes the projected benefit to the university, local community, and the state if the program is implemented. The projected benefits can be both quantitative and qualitative in nature, but there needs to be a clear distinction made between the two in the narrative.

The PhD degree in Rehabilitation Sciences will be only the second PhD degree program in this subject matter (CIP 51.2314) offered within the SUS. Within five years of program establishment, graduates of this PhD program who may be physical therapists, occupational therapists, speech therapists, audiologists, or rehabilitation counselors will fill the severe shortages for qualified academic faculty which are present in numerous health professions curricula today due to the "greying of the professorate." The ability to support the initiation of needed new programs or sustain/expand the capacity of existing rehabilitation professions training programs is essential in supporting the quality of life for the citizens of our state. Graduates may also fill governmental or social agency administrative positions involved in leading the implementation of the Affordable Care Act or serve industry as innovation/product development consultants. This program has the potential to significantly address needs across

a broad array of educational, governmental or industry positions which directly or indirectly contribute to our citizens' quality of life.

V. Access and Articulation – Bachelor's Degrees Only

- A. If the total number of credit hours to earn a degree exceeds 120, provide a justification for an exception to the policy of a 120 maximum and submit a separate request to the Board of Governors for an exception along with notification of the program's approval. (See criteria in Board of Governors Regulation 6C-8.014)

Not Applicable

- B. List program prerequisites and provide assurance that they are the same as the approved common prerequisites for other such degree programs within the SUS (see the Common Prerequisite Manual at FACTS.org). The courses in the Common Prerequisite Counseling Manual are intended to be those that are required of both native and transfer students prior to entrance to the major program, not simply lower-level courses that are required prior to graduation. The common prerequisites and substitute courses are mandatory for all institution programs listed, and must be approved by the Articulation Coordinating Committee (ACC). This requirement includes those programs designated as "limited access."

If the proposed prerequisites are not listed in the Manual, provide a rationale for a request for exception to the policy of common prerequisites. NOTE: Typically, all lower-division courses required for admission into the major will be considered prerequisites. The curriculum can require lower-division courses that are not prerequisites for admission into the major, as long as those courses are built into the curriculum for the upper-level 60 credit hours. If there are already common prerequisites for other degree programs with the same proposed CIP, every effort must be made to utilize the previously approved prerequisites instead of recommending an additional "track" of prerequisites for that CIP. Additional tracks may not be approved by the ACC, thereby holding up the full approval of the degree program. Programs will not be entered into the State University System Inventory until any exceptions to the approved common prerequisites are approved by the ACC.

Not Applicable

- C. If the university intends to seek formal Limited Access status for the proposed program, provide a rationale that includes an analysis of diversity issues with respect to such a designation. Explain how the university will ensure that community college transfer students are not disadvantaged by the Limited Access status. NOTE: The policy and criteria for Limited Access are identified in Board of Governors Regulation 6C-8.013. Submit the Limited Access Program Request form along with this document.

Not Applicable

- D. If the proposed program is an AS-to-BS capstone, ensure that it adheres to the guidelines approved by the Articulation Coordinating Committee for such programs, as set forth in Rule 6A-10.024 (see Statewide Articulation Manual at FACTS.org). List the prerequisites, if any, including the specific AS degrees which may transfer into the program.

Not Applicable

INSTITUTIONAL READINESS

VI. Related Institutional Mission and Strength

- A. Describe how the goals of the proposed program relate to the institutional mission statement as contained in the SUS Strategic Plan and the University Strategic Plan.

Institutional Mission

The University of South Florida's Mission is to deliver competitive undergraduate, graduate, and professional programs, to generate knowledge, foster intellectual development, and ensure student success in a global environment.

The Mission of the MCOM is to provide for the education of students and professionals of the health and biomedical sciences through the creation of a scholarly environment that fosters excellence in the lifelong goals of education, research activity and compassionate patient care.

The Mission, Vision and Educational Philosophy of the SPTRS, in establishing the PhD degree in Rehabilitation Sciences, are wholly congruent with the University and MCOM Missions.

SPTRS, on a trajectory to national prominence, is proud of adopting the USF Health culture of entrepreneurial academic innovation and partnership defined by our "*real world, real people*" research and the creation of new knowledge applicable and valued at all levels of the rehabilitation continuum. Interprofessional learning opportunities, first pioneered by the School within the Morsani College of Medicine with the matriculation of the charter DPT class in 2005, are highly valued. Indeed the hallmark of the new PhD degree program will be that any of our proposed degree concentrations: Chronic Illness, Veteran's Health/Reintegration, and Neuromusculoskeletal Disability will engage students from varied rehabilitation backgrounds, educate them broadly in interdisciplinary and interprofessional coursework, foster their intellectual development thereby preparing and strengthening our commitment to the betterment of community, region, state, nation and world.

SUS Strategic Plan

The PhD degree program in Rehabilitation Sciences *strongly aligns* with the FL BOG Strategic Priorities and Goals for 2012-2025;

- (1) **Teaching & Learning**- Educating the next generation of faculty scholars and researchers to populate the graduate and professional educational programs which train the future health care workforce, increasing the number of degrees awarded in STEM area of strategic emphasis;
- (2) **Scholarship, Research & Innovation**- Converting university research in rehabilitation sciences into the commercialization or improvement of products, such as mobility aids, prosthetics and therapeutic robotics, while strengthening the University's reputation for the quality of scholarship, research and innovation;
- (3) **Community & Business Engagement**- Increasing faculty capacity to support a vibrant healthcare workforce. Our PhD program is an integral component of our USF-Tampa Veteran's Reintegration Strategy. We currently enjoy business connections with MedX/WellTek, Symmetry and TRS corporations. The PhD program will become the hub through which existing USF Health and Tampa campus academic assets can leverage the full capability of USF within the SUS in addressing the needs of Florida's population thus enhancing our engagement with communities and business entities.

University Strategic Plan

The PhD degree program in Rehabilitation Sciences is *closely aligned* with the USF System Strategic Plan Goals to: (1) ***create well-educated and highly skilled global citizens*** through our continuing commitment to student success; (2) ***develop high-impact research and innovation*** to change lives, improve health, and foster sustainable development and positive society change; (3) ***build a highly effective, major economic engine***, creating new partnerships to build a strong and sustainable future for Florida in the global economy and (4) provide sound financial management to establish a strong and sustainable economic

base in support of USF's continued academic advancement.

This PhD program is consistent with University goals of *building world class academic programs and interdisciplinary research* by its very nature of capitalizing on the strengths of our many campus Colleges, Schools, Programs and Departments and leveraging them in an innovative and interdisciplinary degree program. The PhD in Rehabilitation Sciences will maximize the resources of this metropolitan research university in addressing the societal imperative of "enablement-disablement" in the 21st century around themes of chronic illness, veteran's health/reintegration and neuromusculoskeletal disability.

B. Describe how the proposed program specifically relates to existing institutional strengths, such as programs of emphasis, other academic programs, and/or institutes and centers.

The PhD program proposes to incorporate interprofessional learning and research with a number of our highest ranked Colleges: Arts & Sciences, Public Health, Medicine, Nursing, & Behavioral & Community Sciences, Engineering and Programs including Audiology, Rehabilitation Counseling, Exercise Science; and institutions on the Tampa campus including: Moffitt Cancer Center, Shriner's Hospital and the James A. Haley Veterans Hospital and Patient Safety Center of Inquiry. Each of these entities provides opportunities for both formal coursework and collaborative research around concentration themes. The PhD degree program is an integral element of the Center for Neuromusculoskeletal Research's (CNMSR) Strategic Plan. The Center which was initially established by the University and Florida Legislature in 2012, is housed within the SPTRS and focuses on gaining a better understanding of human neuromusculoskeletal functions, and providing innovative, promising, and non-invasive diagnostic and rehabilitative treatment methods to the largest source of chronic disease prevalent in today's society. There is currently no Center within the SUS, with the singular focus of the CNMSR on the "real world, real people" research directed towards addressing the burden of neuromusculoskeletal disease and conditions in our society. The Center, within its first year of operation, has (1) facilitated the completion of training of two clinician researchers (one at the Master's level and one at the PhD level), (2) sponsored the submission of four competitive grant proposals; and (3) garnered additional I4 Technology Corridor support of industry partnerships.

C. Provide a narrative of the planning process leading up to submission of this proposal. Include a chronology (table) of activities, listing both university personnel directly involved and external individuals who participated in planning. Provide a timetable of events necessary for the implementation of the proposed program.

Planning Process

Date	Participants	Planning Activity
2008	SPTRS Leadership	Inclusion in SPTRS Strategic Plan-Endorsement in Principle
2010	USF	PhD in Rehabilitation Sciences first appeared on the University Academic Work Plan
2011	SPTRS Curriculum Committee	Review "Straw man" Curriculum-Endorsement in Principle
2011	SPTRS Faculty	Endorsement in Principle
2011	Campus Leader Dinner Meeting	Discuss Proposal and Suggestions
2011	Meeting with Dean and Assoc. Dean, CAS	Discuss Proposal and Suggestions
2011	Review by MCOM Curriculum Committee	Approval of Pre-Proposal/Degree Outline
2011	Initial Degree Pre-Proposal Submitted	Date of BOT Submission Amended
2012	2 nd Degree Pre-Proposal Submitted	Date of BOT Submission Reset to 2014, then to August 2015, Back to 2014
2013	Campus Leader/Faculty Dinner Meeting	Update on Proposal and Discussion of Additional Courses to Populate/Enhance Concentrations or Serve as Electives

Events Leading to Implementation

Date	Implementation Activity
August 2011	Initial Degree Pre-Proposal Submitted
October 2012	2 nd Degree Pre-Proposal Submitted
March 2013	CAVP SUS concurrence on Pre-proposal for PhD
April 2013	Intensive Review of Proposal with USF Health Leadership, MCOM Curriculum and Graduate Education Committees; Letters of Concurrence received from USF College Deans and MCOM basic science Department Chairs
July 25, 2013	Submission of edited Full Proposal to USF Graduate School
August 25, 2013	Graduate Council (GC) Deadline
September 9, 2013	GC Curriculum Committee Meeting
September 23, 2013	GC Full Meeting and Approval
October 21, 2013	ACEAC Deadline
October 24, 2013	ACE Deadline
October 28, 2013	ACEAC Meeting Review and Approval
November 7, 2013	ACE Meeting Review and Approval
December 5, 2013	BOT Meeting Review and Approval
June 17-19, 2014	BOG Meeting Review and Approval

VII. Program Quality Indicators - Reviews and Accreditation

Identify program reviews, accreditation visits, or internal reviews for any university degree programs related to the proposed program, especially any within the same academic unit. List all recommendations and summarize the institution's progress in implementing the recommendations.

There is no specialized accreditor for this interdisciplinary/interprofessional PhD degree in Rehabilitation Sciences. If such an accreditor were approved and recognized by DOE in the future, we would seek that accreditation. In the interim and pursuant to Florida Board of Governor's Regulation 8.015 we will plan for the PhD program to undergo a Program Review within seven years of its initiation in the fall of 2014. The USF Graduate Council and Graduate School will also conduct a three-year program review required for all new graduate programs.

The SPTRS, which was established in 1998, has had its entry-level degree in Physical Therapy (MSPT 2001-2006 and DPT 2008 – present) continuously accredited by the Commission on Accreditation in Physical Therapist Education (CAPTE) since the graduation of its inaugural class in 2001. In 2008 USF SPTRS was reaccredited with commendation through 2016 without further recommendation other than submission of an Annual Accreditation Report required of all programs. The Doctor of Physical Therapy degree program was the first in the SUS to be approved by the BOG in October 2004. Since graduation of the charter DPT class in 2008 the degree program has experienced a 99+% overall pass rate on the NPTE examination required for practice and a 100% employment rate of graduates. Many USF SPTRS graduates are successfully "matching" with physical therapy residencies (a more recent phenomena in physical therapy professional career development) and ~15% of USF DPT graduates have achieved recognition as American Board of Physical Therapy Specialties (ABPTS) certified clinical specialists in such areas as Orthopaedic, Neurologic or Sports Physical Therapy. USF SPTRS was initially recognized on the US News & World Report Best Programs List in 2008 and is currently ranked 63rd in the United States out of over 200 accredited programs – one of only three programs in Florida (along with U Florida and U Miami) to be ranked in the top third nationally. USF SPTRS's physical therapist education program is the "youngest" in the SUS, having achieved these distinctions in less than 15 years and subsequent to campus Faculty Senate and USF System Faculty Council endorsement sits poised to become the first College of Physical Therapy & Rehabilitation Sciences in the United States and the fifth and full College at USF Health.

VIII. Curriculum

- A. Describe the specific expected student learning outcomes associated with the proposed program. If a bachelor's degree program, include a web link to the Academic Learning Compact or include the document itself as an appendix.

By completing the PhD in Rehabilitation Sciences:

Knowledge

- Students will demonstrate advanced knowledge in a focused area of study within the field of rehabilitation sciences.
- Students will demonstrate a foundational knowledge of clinical research methodology, such as epidemiology, experimental design, and biostatistics.

Skills

- Students will demonstrate satisfactory oral and written communication skills required for the presentation of clinically relevant research in various forums including classroom and on-line instructional venues.
- Students will successfully master laboratory-based or other outcome assessment skills in a focused area of study within the field of rehabilitation sciences.

Abilities

- Students will demonstrate the ability to analyze the best evidence related to clinical research and practice that is available.
- Students will successfully complete a dissertation research project.
- Students will successfully submit one or more manuscripts for publication in a refereed journal.
- Students will successfully apply for a research grant under the guidance of a faculty mentor as either a principal investigator or co-investigator.

- B. Describe the admission standards and graduation requirements for the program.

Admissions Standards

- At least a **Master's Degree or first-professional Doctoral Degree** in a rehabilitation or rehabilitation sciences related discipline
- Minimum of a **3.0 GPA** or equivalent in prior graduate and/or professional degree studies
- Preferred Score of at Least **70th percentile** on the quantitative, verbal and analytic subtests of the GRE
- Three (3) **Letters of Recommendation**
- **Personal Statement** describing prior experiences and accomplishments in a rehabilitation or rehabilitation sciences related discipline
- **Curriculum Vitae**
- **Campus Interview** with two (2) Rehabilitation Sciences core faculty members and at least one (1) faculty member from intended Concentration Area of study
- Applicants from countries where English is not the official language **must also demonstrate proficiency in English** in one of the following ways:
 - By providing a score of 79 or higher on the **Test of English as a Foreign Language (TOEFLIBT)**
 - By providing a score of 6.5 or higher on the International **English Lang Testing System (IELTS)**
 - By earning a score of 500 (or equivalent) on the **GRE-Verbal** exam
 - By earning a baccalaureate or higher degree at a regionally accredited institution in the US
 - By earning a degree at a foreign institution where English is the language of instruction (must be documented on the transcript)

Graduation Requirements

- Students will complete **15 hours of core didactic coursework in Rehabilitation Sciences**
- Students will complete **15 hours of didactic coursework in Research Methods and Statistics**
- Students will complete **15 hours of didactic coursework in one of three areas of concentration;**
- Students will complete **15 hours of didactic coursework in one of three areas of concentration;**
 - **Chronic Disease**

- Coursework that addresses chronic diseases (such as diabetes, heart disease, pulmonary conditions, osteoarthritis, osteoporosis, rheumatoid conditions, obesity-related conditions, and many other conditions) and/or the movement adaptations resulting from these types of chronic conditions. (For example, the person with Chronic Obstructive Pulmonary Disease may demonstrate adaptations in gait speed, response to activity, and postural modifications that impact breathing.)
 - **Veteran's Health/Reintegration**
 - Coursework that addresses best practice for veterans and their families directed toward successful reintegration, long-term health, and holistic care. The primary focus of this concentration includes wounded veterans (from current and previous military service) with issues such as: traumatic brain injury, musculoskeletal trauma, prosthetics, therapeutic robotics, assistive devices, behavioral health, post-traumatic stress disorder, speech pathologies, cognition, audiology, psychology, gait and balance, age-related disorders, physical rehabilitation, neurosciences, holistic family resilience, coping skills, and degenerative disorders.
 - **Neuromusculoskeletal Disability**
 - Coursework that addresses neuromusculoskeletal movement-related disorders from a variety of perspectives including anatomic, physiologic, epidemiologic, medical, diagnostic, rehabilitative, and many others.
 - Students may select **elective hours of didactic coursework or mentored research experience**
 - Students will complete a **Qualifying Examination**
 - Students will complete **12 hours of Dissertation Research**. The dissertation will consist of original research designed and conducted under the supervision of a faculty advisor. The student will assemble a dissertation committee consisting of the advisor and a minimum of three other faculty members. The student will write a dissertation proposal, defend it before the committee and conduct the dissertation research study once approved by the committee. The student will then write the dissertation document and defend the study before the committee.
 - Students will successfully **submit at least one full text scientific manuscript** to a refereed journal prior to graduation.
- C. Describe the curricular framework for the proposed program, including number of credit hours and composition of required core courses, restricted electives, unrestricted electives, thesis requirements, and dissertation requirements. Identify the total numbers of semester credit hours for the degree.

Rehabilitation Sciences Core – 15 credits

Introduction to Rehabilitation Science	(3)
Advanced Rehabilitation Science	(3)
Research Proseminar in Rehabilitation Science	(2)
Rehabilitation Ethics	(3)
Mentored Research Apprenticeship 1 and 2	(2)
Colloquia 1 and 2	(2)

Statistics/Research Methodology Core – 15 credits

Concentration (One of Three) – 15 credits

1. Chronic Disease
2. Veterans Health/Reintegration
3. Neuromusculoskeletal Disability

Dissertation – 12 credits

Electives – 9 credits

Summary: 66 credits

D. Provide a sequenced course of study for all majors, concentrations, or areas of emphasis within the proposed program.

		Year 1		Year 2		Year 3		Year 4***	
		Course	Cr.	Course	Cr.	Course	Cr.	Course	Cr.
Semester	Fall	Intro to Rehabilitation Sciences	3	Research Proseminar in Rehabilitation Sciences	2	Dissertation	3	Dissertation	---
		Colloquium 1	1	Mentored Research	1			Elective(s)	
		Concentration	3	Apprenticeship					
		Statistics/Research	3	Statistics/Research	3				
		Methodology		Methodology					
	Spring	Advanced Rehabilitation Sciences	3	Mentored Research	1	Dissertation	6	Dissertation	---
		Colloquium 2	1	Apprenticeship					
		Concentration	3	Concentration	3				
		Statistics/Research	3	Statistics/Research	3				
Summer	Summer	Methodology		Methodology					
		Rehabilitation Ethics	3	Elective(s)	6	Dissertation	3	Dissertation	---
		Concentration	3	Comprehensive Examination					
		Statistics/Research	3	**Accepted to Candidacy					
		Methodology							
			29		25		12		

* A wide range of electives within the Rehabilitation Sciences program and from other departments on the USF and USF Health campuses are available to students. Student may select electives that complement their course work and provide knowledge and skills that they will find useful upon graduation.

** Once accepted into candidacy, a student may begin work on their dissertation.

***While some students may complete the PhD requirements in three years, others may require more time to complete all requirements. Fourth year credit hours and courses would be directed toward fulfilling requirement.

E. Provide a one- or two-sentence description of each required or elective course.

REHABILITATION SCIENCES CORE (required – Students will complete a minimum of 15 hours)*

RSD 7XXX Introduction to Rehabilitation Sciences* (3)

This course will provide an introduction to and overview of the field of rehabilitation sciences, emphasizing the interdisciplinary and interprofessional nature. The enablement-disablement process will be highlighted as well as a survey of current scientific literature highlighting both quantitative and qualitative lines of inquiry and issues in the field. Topics would include epidemiology, demographics, and models of disability; outcomes research and evidence-based practice; rehabilitation engineering and technology translation; research ethics, grant writing; use of human subjects in research; and use of information retrieval systems. A survey of current scientific literature will be used to highlight both quantitative and qualitative lines of inquiry and issues in the field.

RSD 7XXX Advanced Rehabilitation Sciences for Research, Education, and Practice*(3)

This course provides an in-depth analysis of theoretical and methodological issues in rehabilitation science research, education and practice.

RSD 7XXX Rehabilitation Ethics* (3) – This course is designed to introduce the student to the social, moral, policy, and ethical dimensions of rehabilitative healthcare including informed consent, research on human subjects, health care allocation and disparities.

RSD 7XXX Research Proseminar in Rehabilitation Sciences * (3) – This seminar course provides an opportunity for the student to explore current topics in rehabilitation science research. The student will develop an in-depth analysis in a research area related to the concentration. Students will gain experience in presenting, facilitating and discussing the research of interest to them.

RSD 7XXX Colloquium in Rehabilitation Sciences * (1)

This seminar will meet weekly with faculty and guest speaker presentations on timely topics and current research in the field. Students may present results of projects in which they are involved or

lead discussion of contemporary journal articles in rehabilitation sciences. This may be repeated up to three (3) hours.

RSD 7XXX Dissertation - Directed Research in Rehabilitation Sciences* (12)

Under the supervision of a faculty advisor and committee, students will pursue independent study of a topic, research or project relevant to contemporary rehabilitation sciences.

**ab initio courses to be created and submitted to the Graduate School for review, approval and assignment of RSD SCN prior to program initiation in Fall 2014*

STATISTICS/RESEARCH METHODS CORE (Required- Students will complete a minimum of 15 hours)

Required:

PHC 6051 Biostatistics II (3)

Simple and multiple linear regression, ANOVA (Analysis of Variance) and ANCOVA (Analysis of Covariance), Model building procedure and diagnostics with applications in health research.

PHC 7936 Seminar in Health Care Outcomes Measurements (3)

Prepares students to design both population-based and practice-based studies of health care outcomes.

And students can potentially choose from the following:

HSC 6054 Design & Analysis of Experiments for Health Researchers (3)

Overview of design and analysis of experimental and observational studies emphasizing applications in biological, clinical and health-related fields. Computer software used.

GMS 6102 Experimental Design & Analysis (3)

Introduction to the scientific method, experimental designs, approaches, and analyses that are essential to the modern biomedical research scientist.

PHC 6020 Design and Conduct of Clinical Trials (3)

Covers issues in design and conduct of clinical trials such as factors involved in organizing a trial, randomizing subjects, implementation, and analyzing data from the study.

PHC 6060 Biostatistical Case Studies and Consulting (3)

Hands on experience and foundations in biostatistical consulting including biostatistical methods, computer skills, and skills required for collaborative and consultative research. Goals, content, conduct, and presentation of biostatisticians in applied health settings are discussed with students applying these principles to at least one consultative and one collaborative project.

PHC 7709 Case Studies in the Quantitative Analysis of Public Health Data (3)

Focuses on training students in public health applications of multivariate analytic techniques including factor analysis, regression analysis, multivariate analysis of variance, event history analysis, multi-level modeling and structural equation modeling.

GMS 6840 Cultural and Diversity Issues in Clinical Research (2)

Covers reasons for including the broadest populations possible in clinical research studies in terms of culture, race, ethnicity, gender, age literacy, sexual orientation, socioeconomic status.

GMS 6843 Scientific Communication (2)

Practical experience on preparing abstracts, presenting research to professionals/the public and how to publish in peer-reviewed journals.

PHC 7054 Advanced Biostatistical Methods (3)

Introduction to theoretical and practical problems in specialized advanced biostatistical topics. Alternate topics include applied multivariate statistics, nonparametric methods, and spatial statistics in health sciences and advanced sampling design.

PHC 7053 Generalized Linear Models (3)

In-depth coverage of the theory of generalized linear models with application in public health. Covered topics include numerical algorithms, exponential family, modeling checking, logistic regression, log linear models, and estimating equations.

PSY 6217 Research Methods and Measurement (3)

Covers research strategies, design and analysis, and measurement theory in psychological experimentation. Inferential statistics, ANOVA, correlation methods, and interpretation.

SYA 6437 SPSS and Social Research (3)

Practical experience with SPSS, introducing students to sociological variable measurement, data processing, and various parametric and nonparametric data analysis procedures.

PHT 6609 Critical Assessment of the Literature and Evidence-Based Practice (3)**

In this course, the physical therapist develops the skills to utilize and integrate principles of evidence-based practice in making patient-focused decisions in day-to-day clinical practice. Restricted to students enrolled in the Doctor of Physical Therapy degree program or permission of the Course Director.

CONCENTRATIONS – One of Three Areas

Chronic Disease (Examples of Existing Potential Courses – Students in Consultation with their Committee will complete a minimum of 15 hours)

RSD 7XXX Special Topics in Chronic Disease * (3)

This course creates a framework for understanding rehabilitation for individuals with chronic health conditions. Focuses on the application of validated rehabilitation examination and intervention approaches or strategies that are consistent with contemporary evidence based practice.

GEY 7602 PhD Seminar in Health & Aging (3)

Focuses on physical and functional health in older adults including acute and chronic conditions. Variable content-repeatable twice for credit.

GEY 7604 Biomedical Aging (3)

Biomedical issues of aging from genetic to bodily system levels. Emphasis on cell structure, diseases of aging, cardiovascular, neurological, metabolic, and immune systems; diet/nutrition.

GEY 7610 Psychological Issues of Aging: Interdisciplinary Perspective (3)

Overview of theory and research on individual human development and aging. Emphasis is on cognition, personality, psychopathology, stress and coping, care giving, and end-of-life issues.

GEY 7622 PhD Seminar in Policy and the Elderly (3)

Comprehensive examination of major public-policy issues generated by the health care needs of those ages 65 and older and the programs/institutions that have emerged to meet those needs.

GEY 7623 Social and Health Issues in Aging (3)

Addresses social and health aspects of aging with emphasis on social and family context in aging, health policies, long term care, and racial/ethnic diversity

GEY 7649 Population Aging (3)

Promotes development of an understanding of the causes/consequences of aging and its effects on the populations of the U.S. and the world. Emphasis on demographic, social, political, and economic processes.

GMS 6334 Pathobiology of Human Cancer (3)

Provides morphologic and biologic basis of human cancer utilizing tissue-related oncology topics that complement molecular biology and experimental therapeutics.

SOW 6126 Theoretical Perspectives on Physical Dysfunction (3)

Focuses on physical disorders and implications of social work practice in the area of long-term protracted chronic illnesses and the ensuing psychosocial disabilities.

PHC 6410 Social and Behavioral Sciences Applied to Health (3)

A review of the conceptual, empirical, and theoretical contributions of the social and behavioral sciences as they contribute to an understanding of health and illness.

PHC 6522 Nutrition in Health & Disease (3)

Overview of nutrients required for health, regulatory mechanisms influencing requirements and metabolism in growth, reproduction, disease, senescence, psychological and sociological implications and the coming impacts of genomic (personal) nutrition

PHC 6931 Advanced Seminar in Social & Behavioral Sciences Applied to Health (3)

Overview of the use of social science theory and methods in health problem analysis and program design.

PET 6388 Physical Activity Health and Disease (3)

Study of how physical activity is related to chronic diseases. Epidemiological techniques are examined using physical activity as a factor in the cause of disease with examination of the physiological basis.

GMS 6400C Core Physiology (4-6)

Provides insight into the basic functions of the human body. Discusses the molecular, cellular

PET 6369 Cardiorespiratory Aspects of Exercise Physiology (3)

Covers topics such as gas exchange and transport during exercise; aerobic metabolism, and acute and chronic adaptations to exercise training.

PHT 7450 Principles in Patient/Client Management Seminar (3)**

This year-long course introduces students to the patient client management process described in the *APTA Guide to Physical Therapist Practice*; clinical reasoning processes used by physical therapists; screening for medical diseases; the role of the physical therapist; integration of imaging, laboratory values, medical diagnostics, movement science, evidence, psychosocial factors, and pharmacology into physical therapy practice; screening for medical conditions; and the case management process that will be used during the Clinical Problem Solving courses. Emphasis is on clinical reasoning, gathering and synthesizing pertinent information, and the development of a plan of care. Course includes mentored experience in a physical therapy clinical setting. Restricted to students enrolled in the Doctor of Physical Therapy degree program or permission of the Course Director.

PHC 6418 Public Health and Aging (3)

A study of the specific health promotion and disease prevention strategies for older adults in the context of community health, immunizations, nutrition, exercise, and stress and chronic disease management, delay of disabilities, and types of long term care delivery and settings.

Veteran's Health/Reintegration (Examples of Existing Potential Courses – Students in Consultation with their Committee will complete a minimum of 15 hours)

RSD 7XXX Special Topics in Veteran's Health/Reintegration * (3)

This course creates a framework for understanding rehabilitation for veterans and their families directed toward successful reintegration, long-term health, and holistic care. Focuses on the application of validated rehabilitation examination and intervention approaches or strategies that are consistent with contemporary evidence based practice.

SOW 6126 Theoretical Perspectives on Physical Dysfunction (2)

Theoretical perspectives on physical dysfunction – Focuses on physical disorders and implications of social work practice in the area of long-term protracted chronic illnesses and the ensuing psychosocial disabilities.

PET 6388 Physical Activity, Health, and Disease (3)

Study of how physical activity is related to chronic diseases. Epidemiological techniques are examined using physical activity as a factor in the cause of disease with examination of the physiological basis.

PHT 7450 Principles in Patient/Client Management Seminar (3)**

This year-long course introduces students to the patient client management process described in the *APTA Guide to Physical Therapist Practice*; clinical reasoning processes used by physical therapists; screening for medical diseases; the role of the physical therapist; integration of imaging, laboratory values, medical diagnostics, movement science, evidence, psychosocial factors, and pharmacology into physical therapy practice; screening for medical conditions; and the case management process that will be used during the Clinical Problem Solving courses. Emphasis is on clinical reasoning,

gathering and synthesizing pertinent information, and the development of a plan of care. Course includes mentored experience in a physical therapy clinical setting. Restricted to students enrolled in the Doctor of Physical Therapy degree program or permission of the Course Director.

GMS 6771 Aging and Neuroscience (3)

Overview of Central Nervous System (CNS) aging: normal structure and function, age-related changes, effects of traumatic brain injury and neurodegenerative diseases, and current and future CNS therapies.

MHS 6210 Wraparound Interventions and the System of Care (3)

Explores wraparound philosophy and focuses on developing supportive community structures for wraparound service delivery. Research, evaluation, and methodology in wraparound interventions are addressed.

MHS 6311 Online Services in Counseling and Helping Professions (3)

Provides students with knowledge and skills associated with the provision of online services in counseling and related helping professions. Provides training on how to evaluate and design such services.

PHC 6401 Homelessness: Implications for Behavioral Healthcare (3)

Study of the structural, personal, treatment, and sociopolitical issues related to homelessness. Explores causes of homelessness from structural and personal factors with special focus on research involving services for homeless families and prevention of homelessness among those with severe mental illness.

PHT 8702 Advanced Prosthetics and Orthotics (3)**

Advanced practice seminar exploring special topics in prosthetic and orthotic devices and physical therapy management of patients/clients using prosthetics and orthotics. Restricted to students enrolled in the Doctor of Physical Therapy degree program or permission of the Course Director.

Neuromusculoskeletal Disability (Examples of Existing Potential Courses – Students in Consultation with their Committee will complete a minimum of 15 hours)

RSD 7XXX Special Topics in Neuromusculoskeletal Disability * (3)

This course creates a framework for understanding rehabilitation for neuromusculoskeletal movement-related disorders. Focuses on the application of validated rehabilitation examination and intervention approaches or strategies that are consistent with contemporary evidence based practice.

GMS 6440 Basic Medical Physiology (3)

Introduction to human physiology from the perspective of various human organ system functions, emphasizing understanding of important concepts and their correlation to clinical medical practice.

GMS 6431 Cell Physiology (4)

Examines organelles and macromolecular complexes of eukaryotic cells with respect to structural and functional roles in major cellular activities with emphasis on experimental basis for factual knowledge in modern cell biology. Discusses validity of current concepts relating to regulation of cellular functions.

GMS 6770 A Metabolic Approach to Pain Management (3)

Discussion of the central role of pain management to the treatment of chronic pain patients.

HSC 6556 Pathobiology of Human Disease I (3)

Basic study of broad pathobiological areas of biological injury, genetic and inborn errors of metabolism, and host-parasite relationships.

HSC 6557 Pathobiology of Human Disease II (3)

Overview of the distinct pathogenesis and etiology and selected acute and chronic diseases and their preventative aspects and impacts on the health care system. Discusses illness patterns and their relationship to health planning.

PET 6388 Physical Activity Health and Disease (3)

Study of how physical activity is related to chronic diseases. Epidemiological techniques are examined using physical activity as a factor in the cause of disease with examination of the physiological basis.

PET 6085 Body Composition: Assessment and Management (3)

Advanced principles of body composition assessment and management. Considers the role of physical activity and medical intervention.

PET 6098 Topics in Strength and Conditioning (3)

Selected topics in strength and conditioning, including program design, periodization, core stabilization training, biochemical monitoring, overtraining, and strength training.

PET 6339 Neuromuscular Aspects of Exercise Physiology (3)

Selected topics regarding neuromuscular aspects of exercise physiology including neuromuscular anatomy and physiology, theory of skeletal muscle contraction, protein synthesis and degradation.

PHC 6351 Occupational Medicine for Health Professionals (3)

Focus on enhancing skills for identifying, evaluating, and charting a course of action for medical conditions resulting from occupational exposures and hazards.

PHT 7450 Principles in Patient/Client Management Seminar (3)**

This year-long course introduces students to the patient/client management process described in the *APTA Guide to Physical Therapist Practice*; clinical reasoning processes used by physical therapists; screening for medical diseases; the role of the physical therapist; integration of imaging, laboratory values, medical diagnostics, movement science, evidence, psychosocial factors, and pharmacology into physical therapy practice; screening for medical conditions; and the case management process that will be used during the Clinical Problem Solving courses. Emphasis is on clinical reasoning, gathering and synthesizing pertinent information, and the development of a plan of care. Course includes mentored experience in a physical therapy clinical setting. Restricted to students enrolled in the Doctor of Physical Therapy degree program or permission of the Course Director.

PHT 7264 Neuromuscular Clinical Problem Solving (3)**

The Clinical Problem Solving (CPS) sequence develops knowledge, skills, and behaviors in the process of patient/client management and clinical reasoning. This course provides special emphasis on physical therapy examination, evaluation, plan of care and intervention skills across the lifespan for patients/clients in the neuromuscular and integumentary practice patterns from the *Guide to Physical Therapist Practice*. A variety of cases are used as a framework for the delivery of course content addressing professional practice, patient/client management and practice management expectations as well as foundational sciences, behavioral sciences, and clinical sciences. Restricted to students enrolled in the Doctor of Physical Therapy degree program or permission of the Course Director.

PHT 7777 Musculoskeletal Clinical Problem Solving (3)**

The Clinical Problem Solving (CPS) sequence develops knowledge, skills, and behaviors in the process of patient/client management and clinical reasoning. This course provides special emphasis on physical therapy examination, evaluation, plan of care and intervention skills across the lifespan for patients/clients in the musculoskeletal practice pattern from the *Guide to Physical Therapist Practice*. A variety of cases are used as a framework for the delivery of course content addressing professional practice, patient/client management and practice management expectations as well as foundational sciences, behavioral sciences, and clinical sciences. Restricted to students enrolled in the Doctor of Physical Therapy degree program or permission of the Course Director.

PHT 8724 Anatomical Basis of Physical Therapy & Rehabilitation Sciences (3)**

This course is intended to offer the prospective student of the Physical Therapy and Rehabilitation Sciences the opportunity to undertake an in depth study of a selected joint complex of both the musculoskeletal system in both anatomic and clinical contexts with particular emphasis on the intricate relationship of this system to other functional entities of human body. Prospective students are required to have successfully completed BMS 6100 Gross Anatomy. Restricted to students enrolled in the Doctor of Physical Therapy degree program or permission of the Course Director.

Potential Electives (Examples of Existing Potential Courses – Students in Consultation with their Committee will complete a minimum of 9 hours)

GMS 6020 Neuroscience (5-6)

Intro to central nervous system structure and function. Emphasis on integrated approach focusing on several levels of organization from molecular to cellular, from neural systems to behavior.

GMS 6541 Pharmacology for Health Professionals (4)

Basic principles of pharmacology (pharmacodynamics and pharmacokinetics) are presented along with major drug classes.

GMS 6706 Basic Medical Neuroscience (3)

Focuses on human nervous system function and examines nerve cell biology and how cells are organized into functional systems. Structure/function relationships emphasized including examples of abnormal cell function in disease.

GMS 6840 Cultural and Diversity Issues in Clinical Research (2)

Covers reasons for including the broadest populations possible in clinical research studies in terms of culture, race, ethnicity, gender, age literacy, sexual orientation, socioeconomic status.

GMS 6843 Scientific Communication (2)

Provides practical experience on preparing abstracts, presenting research to professionals/the public and how to publish in peer-reviewed journals. Teaches principles to improve scientific communication.

GMS 6875 Ethical and Regulatory Aspects of Clinical Research (3)

Addresses ethical and regulatory aspects of clinical research, specifically in relation to biomedical research that is patient-oriented.

PHT 7151 Health Promotion & Wellness (3)**

Prepares students for practice as primary care providers in direct access environments with a focus on identification of health risk factors and interventions to promote wellness in individuals and populations

RSD 7XXX Directed Readings in Rehabilitation Sciences* (3)

Individually planned readings guided by a faculty member involving in the area of students' concentration-(a) Chronic Disease, (b) Veteran's Health/Reintegration or (c) Neuromusculoskeletal Disability but not currently covered by formal course work.

RSD 7XXX Teaching Practicum in Rehabilitation Sciences* (3)

This course covers learning theories, teaching methods, assessment techniques and curriculum construction for the adult learner. Students will be paired with a teacher-mentor and have the opportunity to act as a teaching assistant in a course relevant to their rehabilitation discipline. (Recommended for those who are interested in teaching in a university, college, or clinical setting.)

**ab initio courses to be created and submitted to the Graduate School for review, approval and assignment of RSD SCN prior to program initiation in Fall 2014*

*** Currently COM BANNER listed courses (part of DPT professional curriculum) to be submitted to the Graduate School for review, approval, joint-listing and assignment of RSD prefix SCN*

- F. For degree programs in the science and technology disciplines, discuss how industry-driven competencies were identified and incorporated into the curriculum and indicate whether any industry advisory council exists to provide input for curriculum development and student assessment.

Not Applicable

- G. For all programs, list the specialized accreditation agencies and learned societies that would be concerned with the proposed program. Will the university seek accreditation for the program if it is available? If not, why? Provide a brief timeline for seeking accreditation, if appropriate.

Not Applicable

- H. For doctoral programs, list the accreditation agencies and learned societies that would be concerned with corresponding bachelor's or master's programs associated with the proposed program. Are the programs accredited? If not, why?

The Commission on Accreditation in Physical Therapist Education (CAPTE), the specialized accreditor of our entry-level professional Doctor of Physical Therapy (DPT) degree program housed in the SPTRS, does not accredit post-professional graduate degree programs. CAPTE does require notification by institutions prior to degree implementation (CAPTE Standard Sub-Part 9A: 9.4 (a) (12) Reporting Requirements) regarding any *potential resource impact* on the professional program accredited by CAPTE, "including, but not limited to alterations in core faculty workload, curriculum or resources."

There are no currently accredited Bachelor's or Master's major degree programs associated with Rehabilitation Sciences at USF given its interprofessional nature; however, there are accredited entry-level Bachelor's, Master's or first-professional Doctoral degrees in Athletic Training (CAATE), Physical Therapy (CAPTE), Occupational Therapy (ACOTE), Exercise Science (ACSM), Rehabilitation Counseling (CRCC), Prosthetics & Orthotics (CAAHEP), Speech Language Pathology (ASHA), and Audiology (ACAE). Any or all of these programs may contribute graduates to this PhD program.

- I. Briefly describe the anticipated delivery system for the proposed program (e.g., traditional delivery on main campus; traditional delivery at branch campuses or centers; or nontraditional delivery such as distance or distributed learning, self-paced instruction, or external degree programs). If the proposed delivery system will require specialized services or greater than normal financial support, include projected costs in Table 2 in Appendix A. Provide a narrative describing the feasibility of delivering the proposed program through collaboration with other universities, both public and private. Cite specific queries made of other institutions with respect to shared courses; distance/distributed learning technologies, and joint-use facilities for research or internships.

The delivery system for the PhD in Rehabilitation Sciences will be a combination of traditional classroom delivery on the Tampa campus as well as non-traditional delivery (computer based on-line) for some of the statistics courses hosted by the CPH. There are no additional specialized services or financial support required. This program is the second PhD degree program in Rehabilitation Sciences in the state of Florida (University of Florida being the other). USF, with its unique offerings in Veteran's Health/Reintegration Research, Chronic Illnesses (e.g. cancer, diabetes) and the Center for Neuromusculoskeletal Research, is poised to be the only institution in the SUS to be able to offer these unique interprofessional concentrations.

IX. Faculty Participation

- A. Use Table 4 in Appendix A to identify existing and anticipated ranked (not visiting or adjunct) faculty who will participate in the proposed program through Year 5. Include (a) faculty code associated with the source of funding for the position; (b) name; (c) highest degree held; (d) academic discipline or specialization; (e) contract status (tenure, tenure-earning, or multi-year annual [MYA]); (f) contract length in months; and (g) percent of annual effort that will be directed toward the proposed program (instruction, advising, supervising internships and practica, and supervising thesis or dissertation hours).

See Table 4 in Appendix A.

- B. Use Table 2 in Appendix A to display the costs and associated funding resources for existing and anticipated ranked faculty (as identified in Table 2 in Appendix A). Costs for visiting and adjunct faculty should be included in the category of Other Personnel Services (OPS). Provide a narrative summarizing projected costs and funding sources.

See Table 2 in Appendix A. The program will be initiated and supported through reallocation of existing SPTRS faculty effort, planned new faculty hires and the inclusion of graduate assistantship positions in future faculty grants and contracts by Year 5.

- C. Provide in the appendices the curriculum vitae (CV) for each existing faculty member (do not include information for visiting or adjunct faculty).

See Appendix C for the curriculum vitae of SPTRS faculty

- D. Provide evidence that the academic unit(s) associated with this new degree have been productive in teaching, research, and service. Such evidence may include trends over time for average course load, FTE productivity, student HC in major or service courses, degrees granted, external funding attracted, as well as qualitative indicators of excellence.

College/School Name	FTE Productivity		Unduplicated Student Head Count (AY 2011-12)			Degrees Granted	External Funding
	SCH	FTE	Master's	PhD	Professional		
CON	11,733	367	803	52	29	238	\$5,157,015
COPH	15,606	487	808	118	13	216	\$19,004,576
SPTRS	-	-	-	-	99/115*	28	\$1,294,035

The SPTRS, an academic unit of the MCOM, USF Health had an AY 11-12 headcount of 99 students in the entry-level professional DPT degree program and 115 students* in the off-campus transitional DPT (tDPT) degree program. Twenty-eight (28) DPT students graduated in May 2012 and fourteen (14) tDPT students graduated in August 2012. Currently enrolling a cohort of 40 students from an applicant pool approaching 1000, SPTRS has sought accreditor authorization to expand DPT class size to 48 in support of the \$1M legislatively funded educational partnership with the University of West Florida. The School's external research funding is currently at \$1.29M, much of it related to firefighter/first responder and warfighter/wounded warrior projects. The School received University and BOG approval during AY 11-12 to create the Center for Neuromusculoskeletal Research (CNMSR), along with \$500,000 in legislative funding for start-up. The School also successfully partnered with other USF Tampa campus entities to obtain \$450K from the National Science Foundation towards the acquisition of a CAREN (Computerized Augmented Rehabilitation Environment). SPTRS faculty members are prolific scholars with over 15 refereed publications and assorted book contributions this past year. Faculties are also active and prominent in national and international professional organizations.

X. Non-Faculty Resources

- A. Describe library resources currently available to implement and/or sustain the proposed program through Year 5. Provide the total number of volumes and serials available in this discipline and related fields. List major journals that are available to the university's students. Include a signed statement from the Library Director that this subsection and subsection B have been reviewed and approved.

Overview of USF Libraries, Mission, and Program/Discipline Strengths

The University of South Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award degrees at the baccalaureate, master, specialist, and doctoral levels, including the Doctor of Medicine, Doctor of Physical Therapy, and Doctor of Pharmacy. The institution was initially accredited in 1965 and was last reviewed and reaffirmed in 2005. The institution is scheduled to receive its next reaffirmation of accreditation review in 2015.

The University of South Florida's Libraries consist of USF's main research library, located on the Tampa Campus; two special libraries, the Hinks and Elaine Shimberg Health Sciences Library and the Louis de la Parte Mental Health Institute Library, which are also located on the Tampa Campus; the Nelson Poynter Memorial Library, USF St. Petersburg campus; and the Jane Bancroft Cook Library, which is a joint-use facility shared with New College of Florida and the USF Sarasota-Manatee campus, in Sarasota.

The USF Libraries serve as the nexus for the teaching, learning, and research for the faculty and students at the University of South Florida. Together, the USF Libraries provide access to more than 2 million volumes and an extensive collection of electronic resources including approximately 6,500 e-journal subscriptions and 900 aggregator databases containing another 52,500 unique e-journal titles, 540,000 e-books, and 826,000 digital images. In addition, students have access to over 60,000 audio/visual materials including videos, CDs, and DVDs.

In addition to extensive electronic and print resources, the USF Tampa Library offers unique access to primary research materials through Special & Digital Collections. Specializations include: Florida Studies Center Collection, the Children and Young Adult Literature Collection, the Science Fiction & Fantasy Collection, the Holocaust and Genocide Studies Center Collection, the Arts Collection, the Literature & Book Arts Collection, the University Archives, and Digital Collections, which provide online access to many materials from Special Collections.

The USF Libraries endeavor to develop and maintain a collection that will satisfy the needs for resources that support the curriculum within the SPTRS, as well as serve the more specialized demands of the graduate students and faculty who are engaged in advanced research.

USF Libraries Collections

The USF Libraries collect current research materials in all subject areas within the subject classifications for rehabilitation sciences and related subject disciplines, which include psychology, sociology, social work, communication science and disorders, aging studies, public health, and physical therapy. Emphasis is on acquiring and maintaining a robust collection of electronic journals and in developing a strong research monographic eBook collection representing the important trade, university and professional presses. Datasets, conference proceedings, technical reports, dissertations, reference works, graduate textbooks, and audio-visual materials are acquired selectively.

> Number of Books in Rehabilitation Science:

Print	23,709
Electronic	2,965

> Number of Books in Rehabilitation Science and Related Disciplines:

Print	80,120
Electronic	10,199

eBook Collections include: Springer eBooks in Medicine, Annual Reviews, PsycBooks, EBSCOHost eBook Collection, Oxford Scholarship Neuroscience, and Oxford Scholarship Public Health & Epidemiology.

> Number of Journals in Rehabilitation Science:

Print	771
Electronic	610

> Number of Journals in Rehabilitation Science and Related Disciplines:

Print	1,467
Electronic	1,741

Notable online journals*, owned by the USF Libraries, include: Science, (29.747), Nature (34.480), Journal of Fluency Disorders (4.050), Research in Developmental Disorders (3.405), Journal of Head Trauma Rehabilitation (3,333), Research in Autism Spectrum Disorders (2.959), and Journal of Occupational Rehabilitation (2.795).

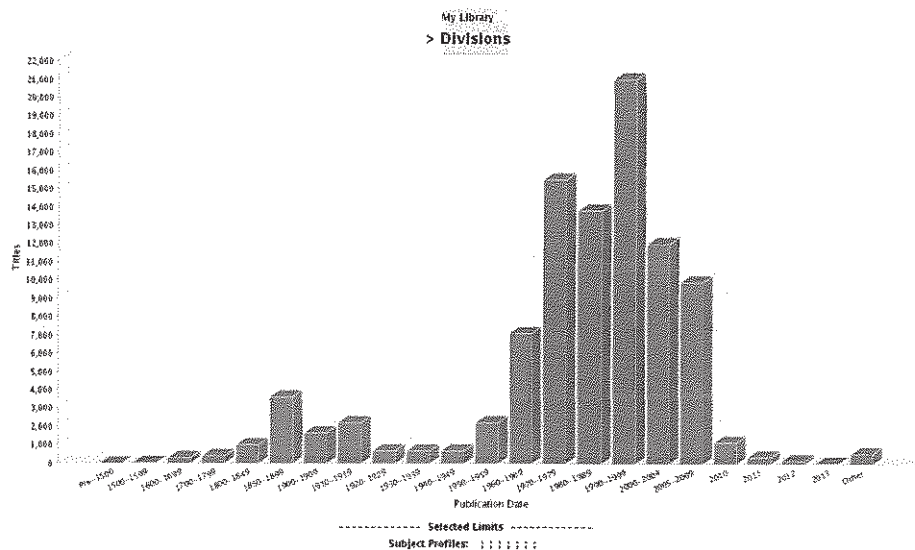
EJournal Packages include: SpringerLink, Elsevier Science Direct, Wiley Online Library, JSTOR, BioMed Central, Cambridge Journals Online, Psychiatry Online, and Oxford Journals Online.

- **Number of Electronic Databases in Rehabilitation Sciences** - over 90 major databases, with 35 databases specific to health, are available in rehabilitation sciences and related disciplines, including: Web of Science, OVID Databases, MDConsult, StatRef, The Cochran Library, CINAHL (Nursing), Harrison's Online, and PubMed Medline.

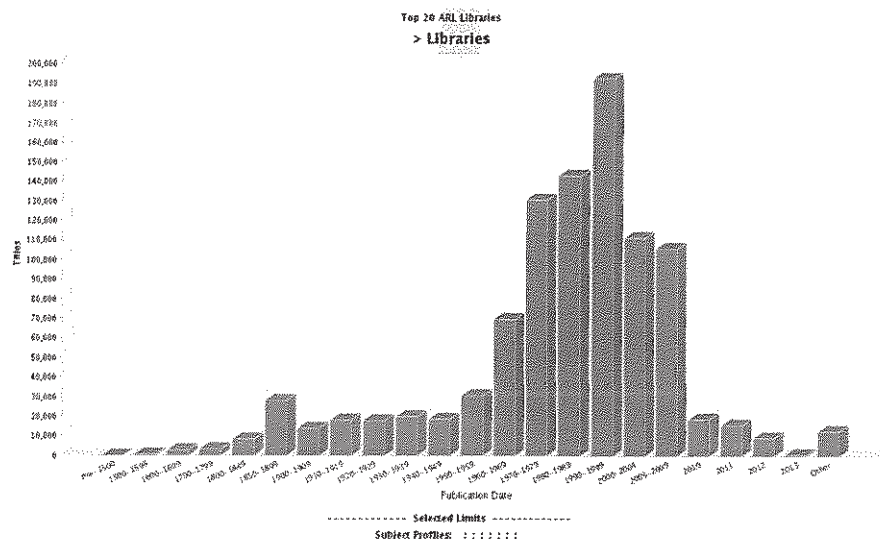
Data Analysis

An analysis of the USF Libraries was conducted using OCLC's WorldCat Collection Analysis collection tool. The USF Libraries collections were compared against the Top 20 ARL Libraries and the Top 10 AAU Institutions. The USF Libraries compared favorably in both of these collection comparisons in the percentage of collections within each subject discipline. Of particular interest was the comparison of the date ranges of the USF Libraries collections. In both comparisons, the age of the USF Libraries collection mirrored the date range of publications for the ARL and the AAU institutions. This shows that USF's resources provide a depth of research materials comparable to aspirant institutions.

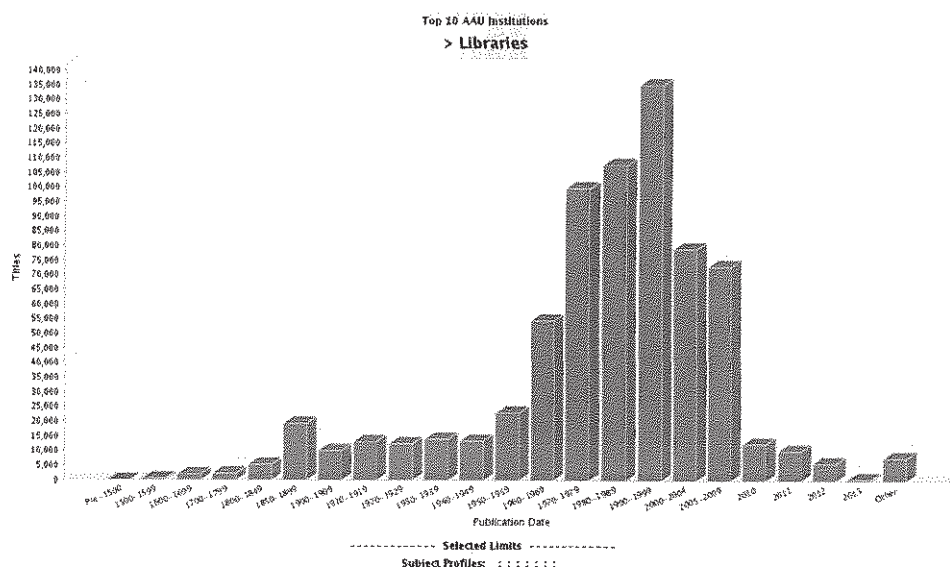
USF Libraries Collection



Top 20 ARL Libraries



Top 10 AAU Institutions



Shimberg Health Sciences Library

The Shimberg Health Sciences Library (SHSL) is housed in a 35,130 square foot facility on the Tampa campus, and provides state-of-the-art biomedical information to students, faculty, staff, and patients to improve health in the Tampa Bay area and beyond.

The SHSL is a member of the Consortium of Southern Biomedical Libraries (CONBLS), the Tampa Bay Medical Library Network (TABAMLN), the Association of Academic Health Sciences Libraries (AAHSL), the Florida Consortium of Academic Libraries of Medicine (FCALM), and serves as a resource library for the National Network of Libraries of Medicine.

While the SHSL serves all USF patrons, its primary stakeholders and patrons are affiliated with the USF Health community - the Colleges of Medicine, Nursing, Pharmacy and Public Health, plus the School of Biomedical Sciences and School of Physical Therapy & Rehabilitation Sciences. The SHSL supports educational, research, teaching, and clinical activities of USF Health by providing access to information resources, teaching evidence-based medicine, performing mediated searches, providing assistance with systematic literature reviews, and providing learning-conducive study space.

Librarians in the SHSL offer general and subject specific library research instruction through classes, orientations, instructional outreach, online instructional modules/tutorials, and are available to answer questions about library resources and services. Librarians consult with USF Health faculty to integrate electronic and traditional library resources into the curricula, and have liaison relationships with the College of Pharmacy (COP) and School of Physical Therapy & Rehabilitation Sciences (SPTRS).

The SHSL's current health sciences collection consists of a growing, extensive library of biomedical journals, books, databases, medical images and multi-media materials comprised of 169,954 bound volumes, 859 electronic journal subscriptions, 15,300 print books, over 3,000 electronic books, 35 specific health science databases, and 254 audiovisual titles. Currently 98% of journal subscriptions are received electronically in full text format. Medical research and curriculum support databases include Cochrane Library, OVID Databases, MD Consult, StatRef, Web of Knowledge, CINAHL, Harrison's Online, AccessMedicine, AccessPharmacy, AccessSurgery, PubMed, LexiComp, US Pharmacopeia-National Formulary, Micromedex, ACP Pier and DynaMed. Access to these products is available both on site and remotely 24/7. As a result of agreements and consortial arrangements with the USF Libraries System, the State University Library System, CONBLS, and FCALM, students and faculty at

USF Health have access to numerous highly valued resources such as Web of Knowledge and Science Direct, as well as thousands of multidisciplinary e-journals and e-books. In addition, USF Health students and faculty can access all library materials owned by the other USF libraries.

The SHSL provides both quiet and collaborative group study spaces, with 4 conference rooms available for student and faculty checkout at the Circulation department. The rooms are equipped with audio/visual presentation technology and can accommodate between eight and fifteen patrons.

A fifth conference room is expected to be available by the end of the year. A newly renovated 2,000 square foot 24 hour quiet study space opened in April 2013, giving students of USF Health a secure ID-access-only space to study 24 hours a day, 7 days a week.

The SHSL student computer lab houses 12 networked workstations, printers, scanners, course-related programs and general-purpose application software such as word processing, and is equipped for students to create CD-RWs and DVDs. Computers are also available in public access areas of the library.

The SHSL Systems department maintains the library website, which provides remote access through links to e-resources, online tutorials/videos, the UBorrow program, the purchase recommendation contact page, and interlibrary loan (ILL) requests. The Systems Department provides marketing support through digital signage and social media outlets (Facebook, Twitter, and a YouTube channel) which supports the libraries ability to communicate news items to the patrons.

The SHSL Interlibrary Loan department provides document delivery services to students, faculty, staff, and distance learners with most requests fulfilled electronically. As a member of CONBLS and TABLMN, SHSL ILL receives free and reciprocal loan services. Membership in these organizations ensures rapid and cost-effective access to research materials not owned by the SHSL or USF Library System.

The SHSL Circulation Department provides access to many of the traditional library services offered to library patrons, including loans of both circulating and reserve materials; document delivery services; conference room reservation; and remote access troubleshooting assistance. USF faculty, staff, and students may borrow books, some journals, and most CD-ROM's for 60 days. One renewal of 30 days is allowed per item. Patrons may borrow up to 100 items at a time, depending upon patron status. In addition, instructors may place library-owned or personal materials on reserve behind the circulation desk, for in-library use or short-term loans for use by USF Health students.

The SHSL also participates in the UBorrow program, which allows USF library patrons unmediated access to the circulating collections of other Florida state university libraries. Patrons may renew both their SHSL and UBorrow items through their account in the online catalog interface. In addition to circulating materials, the Circulation Department provides electronic delivery of library-owned or licensed articles as requested by patrons using an online form accessible anywhere, anytime from the library's website. Distance learners may use the same form to request shipment of library-owned returnable (books).

Remote access to SHSL online resources is supported by the designated remote-access troubleshooting liaison, whose responsibilities include: assisting patrons with password resets, explaining multiple authentication options, investigating proxy server issues, confirming affiliation status, and offering alternate access strategies when necessary.

Summary Statement

In any given year, the USF Libraries materials budget is pushed to its limit. The rising cost of continuing journal subscriptions, the need for new research materials, and requests for access to online data sets are part of the daily landscape. A large portion of the USF Libraries 5.4 million dollar budget supports the continuation of the electronic resources. The Rehabilitation Sciences are well represented throughout the USF Libraries electronic collections.

Recognizing the value and importance of research, the USF Libraries will continue a sustained level of support for doctoral research in Rehabilitation Sciences, along with allied and


associated subject areas and disciplines.

Within the next five years, the expectation would be for a continued level of support for this discipline. An increase in the cost of the library's journal subscriptions would be anticipated, with a typical annual increase of 3-6 %. The acquisition of additional resources would have to be balanced against the research needs of other academic disciplines on campus within the confines of any budgetary restraints that the university could face during the next five years.

Prepared by: Cheryl McCoy
Coordinator of Collections, USF Libraries
April 15, 2013

B. Describe additional library resources that are needed to implement and/or sustain the program through Year 5. Include projected costs of additional library resources in Table 3 in Appendix A.

As of April 2013, the collections of the USF Libraries are sufficient to support a Doctor of Philosophy degree in Rehabilitation Sciences. Sustained annual investments to maintain the recurring elements of this collection and to purchase newly published materials are required to preserve sufficiency. With escalating costs, typical annual increases of 3-6% are likely. Strategic investments are required as new faculties are hired and areas of emphasis evolve.

 Signature of Library Director	4-25-13 Date
--	-----------------

C. Describe classroom, teaching laboratory, research laboratory, office, and other types of space that are necessary and currently available to implement the proposed program through Year 5.

Classrooms, teaching labs, research labs, conference rooms and graduate student offices currently exist within the SPTRS (MDT Building) which totals approximately 26,000 square feet, of which approximately 6,000 square feet is occupied by the School's Human Functional Performance Laboratory equipped with over \$1M of state of the art research equipment.

D. Describe additional classroom, teaching laboratory, research laboratory, office, and other space needed to implement and/or maintain the proposed program through Year 5. Include any projected Instruction and Research (I&R) costs of additional space in Table 2 in Appendix A. Do not include costs for new construction because that information should be provided in response to X (J) below.

No additional classroom, teaching or research laboratory, office or other space will be needed to implement/maintain the proposed PhD in Rehabilitation Sciences program. Rehabilitation Sciences (RSD) classes to be taught in the SPTRS (MDT Building) will be scheduled in late afternoon/early evening on a non-interference basis with entry-level DPT program classwork. Given the potentially small size of class cohorts at program initiation, the School has two multi-media equipped conference rooms which can accommodate 8-12 participants. Graduate student study space is available to support up to 6 students without reconfiguration.

E. Describe specialized equipment that is currently available to implement the proposed program through Year 5. Focus primarily on instructional and research requirements.

The SPTRS operates the **Human Functional Performance Laboratory (HFPL)/Center for Neuromusculoskeletal Research (CNMSR)** as a cutting edge facility for the assessment of impairments and functional limitations resulting from illness, injury, disease or other conditions which may impact human functional performance for a wide range of neuromusculoskeletal translational and clinical studies. Services of the laboratory include assessment of: cardiopulmonary function; muscular strength, endurance, activation patterns, and size; joint range of motion; joint laxity, postural stability; gait; lift capacity; activities of

daily living; and neurosensory thresholds. Assessments provided by the laboratory are typically used in the study of rehabilitative interventions directed towards the treatment impairments or functional limitations. Faculty members from the School of Physical Therapy & Rehabilitation Sciences are available as study investigators to administer tests, analyze data, and interpret results for a wide variety of protocols. Facility instrumentation includes:

Muscular Strength and Endurance

- BIODEX computerized dynamometer: skeletal muscle performance in isokinetic, isometric and isotonic modes.
- MedX cervical and lumbar exercise testing and training dynamometers: spinal muscle strength, endurance, and range of motion.

Body Composition

- BODPOD gold standard: body composition, resting metabolic rate, total energy expenditure

Posture and Joint Assessment

- NeuroCom SMART EquiTest computerized dynamic posturography
- BIODEX Balance System SD force platform: posturography.
- Medmetric KT-2000 ligament laxity arthrometer.

Gait

- Zeno Walkway System for instrumented temporal and spatial measurement of gait
- GaitRite M2 instrumented platform for temporal and spatial measurements of static and dynamic functional movement
- Bertec Split Belt Instrumented Treadmill
- Vicon 8 Camera Motion Analysis System

Electromyography and Advanced Imaging

- Grass stimulator: skeletal muscle stimulation
- Noraxon Myosystem 12 channel telemetric surface and needle EMG system with foot switch and electric goniometric inputs: isolated muscle performance, gait, and joint range of motion.
- Biosound MyLab25 diagnostic ultrasound with Doppler: soft tissue morphology, vascular perfusion, and muscle activation.

Functional Evaluation

- Physical Functional Performance-10 Test: validated assessment of ability to perform common activities of daily living
- EPIC Lift Capacity workstation

Applied Cardiopulmonary Testing

- Integrated cardiopulmonary stress testing system with two breath-by-breath gas exchange analysis systems SensorMedics, Vmax 229, metabolic cart for measuring ventilation, oxygen uptake, cardiac output, and pulmonary function (spirometry, lung volumes/capacities, and lung diffusion capacity);
- COSMED K4b² portable metabolic system, which can provide energy expenditure measures during functional activities or in field-testing settings
- 12-lead electrocardiographic stress system (Quinton Q Stress) with treadmill and cycle ergometer.
- Pulse oximeter for % arterial oxygen saturation measurements.

Applied Neurosensory Testing

- Neurothesiometer (Scientific Laboratories)
- Otogram (Ototronix)

The School of Physical Therapy & Rehabilitation Sciences collaborates with the College of Engineering in the operation of the **Center for Assistive Robotics & Rehabilitation Technologies (CARRT)** on the USF Tampa campus. This Center houses an additional Motion Analysis System and prosthetics test bed. The School of Physical Therapy & Rehabilitation Sciences collaborated with five (5) other partners from across the USF Tampa campus to acquire, with the assistance of a NSF MRI Grant, a **CAREN** (Computerized Augmented Rehabilitation Environment) which is being installed in the USF Tampa Research Technology Park.

Graduate students in the Rehabilitation Sciences doctoral program will have access to the instrumentation in the SPTRS's various labs and collaborating sites during mentored research activities in preparation for the conduct of their own independent dissertation research.

- F. Describe additional specialized equipment that will be needed to implement and/or sustain the proposed program through Year 5. Include projected costs of additional equipment in Table 2 in Appendix A.

No additional specialized equipment will be needed to implement and/or sustain the proposed program.

- G. Describe any additional special categories of resources needed to implement the program through Year 5 (access to proprietary research facilities, specialized services, extended travel, etc.). Include projected costs of special resources in Table 2 in Appendix A.

We do not anticipate that any additional special resources will be required for this program implementation.

- H. Describe fellowships, scholarships, and graduate assistantships to be allocated to the proposed program through Year 5. Include the projected costs in Table 2 in Appendix A.

SPTRS intends to fund two (2) graduate assistantships beginning Year 1 of the PhD program and to secure funding for two (2) additional graduate assistantships through faculty grants and/or contracts by Year 5 of the program.

- I. Describe currently available sites for internship and practicum experiences, if appropriate to the program. Describe plans to seek additional sites in Years 1 through 5.

Not Applicable

- J. If a new capital expenditure for instructional or research space is required, indicate where this item appears on the university's fixed capital outlay priority list. Table 2 in Appendix A includes only Instruction and Research (I&R) costs. If non-I&R costs, such as indirect costs affecting libraries and student services, are expected to increase as a result of the program, describe and estimate those expenses in narrative form below. It is expected that high enrollment programs in particular would necessitate increased costs in non-I&R activities.

Not Applicable

APPENDIX A
TABLE 1-B PhD in Rehabilitation Sciences
PROJECTED HEADCOUNT FROM POTENTIAL SOURCES
(Graduate Degree Program)

Source of Students (Non-duplicated headcount in any given year)* Individuals drawn from agencies/industries in your service area (e.g., older returning students)	Year 1		Year 2		Year 3		Year 4		Year 5	
	HC	FTE	HC	FTE	HC	FTE	HC	FTE	HC	FTE
Students who transfer from other graduate programs within the university**										
Individuals who have recently graduated from preceding degree programs at this university	2		2		2		3		3	
Individuals who graduated from preceding degree programs at other Florida public universities	1		2		1		2		1	
Individuals who graduated from preceding degree programs at non-public Florida institutions					1		1		1	
Additional in-state residents***										
Additional out-of-state residents***	1		1		1		1		1	
Additional foreign residents***					1				1	
Other (Explain)***										
Totals	4	3,625	9	7.66	15	10.85	18	12.91	20	14.06

* List projected annual headcount of students enrolled in the degree program. List projected yearly cumulative ENROLLMENTS instead of admissions.

** If numbers appear in this category, they should go DOWN in later years.

*** Do not include individuals counted in any PRIOR category in a given COLUMN.

APPENDIX A

TABLE 2 PhD in Rehabilitation Sciences PROJECTED COSTS AND FUNDING SOURCES

Instruction & Research Costs (non-cumulative)	Year 1						Year 5						
	Funding Source						Funding Source						
	Reallocated Base* (E&G)	Enrollment Growth (E&G)	Other New Recurring (E&G)	New Non-Recurring (E&G)	Contracts & Grants (C&G)	Auxiliary Funds	Subtotal E&G, Auxiliary, and C&G	Continuing Base** (E&G)	New Enrollment Growth (E&G)	Other*** (E&G)	Contracts & Grants (C&G)	Auxiliary Funds	Subtotal E&G, Auxiliary, and C&G
Faculty Salaries and Benefits	125,000	0	0	0	0	0	\$125,000	200,000	0	0	0	0	\$200,000
A & T Salaries and Benefits	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
USPS Salaries and Benefits	40,000	0	0	0	0	0	\$40,000	40,000	0	0	0	0	\$40,000
Other Personal Services	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Assistantships & Fellowships	70,000	0	0	0	0	0	\$70,000	70,000	0	0	70,000	0	\$140,000
Library	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Expenses	5,000	0	0	0	0	0	\$5,000	5,000	0	0	0	0	\$5,000
Operating Capital Outlay	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Special Categories	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Total Costs	\$240,000	\$0	\$0	\$0	\$0	\$0	\$240,000	\$315,000	\$0	\$0	\$70,000	\$0	\$385,000

*Identify reallocation sources in Table 3.

**Includes recurring E&G funded costs ("reallocated base," "enrollment growth," and "other new recurring") from Years 1-4 that continue into Year 5.

***Identify if non-recurring.

Faculty and Staff Summary

Total Positions	Year 1	Year 5
Faculty (person-years)	0.9	1.45
A & P (FTE)	0	0
USPS (FTE)	1	1

Calculated Cost per Student FTE

	Year 1	Year 5
Total E&G Funding	\$240,000	\$315,000
Annual Student FTE	3,625	14,06
E&G Cost per FTE	\$66,207	\$22,404

**TABLE 3 PhD in Rehabilitation Sciences
ANTICIPATED REALLOCATION OF EDUCATION & GENERAL FUNDS***

* If not reallocating funds, please submit a zeroed Table 3

APPENDIX A

TABLE 4 PhD in Rehabilitation Sciences
ANTICIPATED FACULTY PARTICIPATION

Faculty Code	Faculty Name or "New Hire" Highest Degree Held Academic Discipline or Speciality	Rank	Contract Status	Initial Date for Participation in Program	Mos. Contract Year 1	FTE Year 1	% Effort for Prg. Year 1	PY Year 1	Mos. Contract Year 5	FTE Year 5	% Effort for Prg. Year 5	PY Year 5
A	William Quillen Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.10	0.10
A	Laura Swisher Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.10	0.10
A	John Mayer Physical Therapy	Assoc Professor	Tenured	Fall 2014	12	1.00	0.25	0.25	12	1.00	0.25	0.25
A	Jason Highsmith Physical Therapy	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.15	0.15
A	Seok Kim Physical Therapy	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Aimee Klein Physical Therapy	Assoc Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Gina Musolino Physical Therapy	Assoc Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Heather Hartsell Physical Therapy	Assoc Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Rose Pignataro Physical Therapy	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Naoki Tajiri Physical Therapy / NS	Asst Professor	MYA	Fall 2014	12	1.00	0.00	0.00	12	1.00	0.10	0.10
B	New Hire	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.15	0.15
B	New Hire	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.10	0.10
C	New Hire	Asst Professor	Tenure Track	Fall 2015	12	0.00	0.00	0.00	12	1.00	0.15	0.15
C	New Hire	Asst Professor	Tenure Track	Spring 2016	12	0.00	0.00	0.00	12	1.00	0.10	0.10
	Total Person-Years (PY)							0.90				1.45

Faculty Code	Source of Funding	PY Workload by Budget Classification		
		Year 1	Year 5	Year 5
A	Existing faculty on a regular line	0.80		0.95
B	New faculty to be hired on a vacant line	0.10		0.25
C	New faculty to be hired on a new line	0.00		0.25
D	Existing faculty hired on contracts/grants	0.00		0.00
E	New faculty to be hired on contracts/grants	0.00		0.00
Overall Totals for		Year 1	Year 5	1.45
		0.90		



May 7, 2013

Dr. Joseph Glover
Provost and Senior Vice President for Academic Affairs
University of Florida
235 Tigert Hall
Box 113175
Gainesville, FL 32611-3175

Dear Provost Glover,

The University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314). In accordance with the Florida Board of Governor's (BOG) regulation 8.011 Authorization of New Academic Degree programs and Other Curricular offerings, I am requesting that the attached proposal be reviewed and a letter of support be provided for inclusion in submission to the BOG. Should you have any questions or concerns regarding the proposal, please let me know at your earliest convenience.

The proposed Ph.D. in Rehabilitation Sciences is distinctive from other programs in that:

- The program by virtue of its inter-professional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration; Chronic Disease, Veteran's Health/Reintegration, or Neuromuscular-skeletal Disability around a core of rehabilitation sciences coursework and statistical/research methodology competency;
- The program focuses on training current degreed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science at a time when these individual disciplines are experiencing a significant "graying of the professorate;" and,
- It will provide students the opportunity to conduct research and receive training within a network of University and community partners within the Tampa bay community.

I would be grateful if you could return your letter by Friday, June 14, 2013. I appreciate your time and attention to this important issue and look forward to receiving your comments and recommendations.

Sincerely,

A handwritten signature in black ink, appearing to read "Ralph C. Wilcox", with a stylized flourish at the end.

Ralph C. Wilcox, Ph.D.
Provost and Executive Vice President



Office of the Provost
and Senior Vice President

235 Tigert Hall
PO Box 113175
Gainesville FL 32611-3175
352-392-2404 Tel
352-392-8735 Fax

May 21, 2013

Ralph C. Wilcox, Ph.D.
Provost and Executive Vice President
University of South Florida
4202 East Fowler Avenue
Tampa, FL 33620-6100

Dear Provost Wilcox:

The University of Florida is pleased to be able to support the University of South Florida's proposal for a Ph.D. program in Rehabilitation Science. As you know, our College of Public Health and Health Professions currently offers an interdisciplinary program similar to the one you are proposing. However, there is a significant need for Ph.D. level rehabilitation faculty and an additional program will help address this issue. In addition, the director of the UF program, Dr. David Fuller, has expressed an interest in possible collaborations in the event the USF program is approved.

Please let me know if you need any additional information from us.

Sincerely,

A handwritten signature in dark ink, reading "Joseph Glover". The signature is fluid and cursive, with the first name "Joseph" and last name "Glover" clearly legible.

Joseph Glover
Provost and Senior Vice President

cc: Dr. Michael Perri, Dean, College of Public Health and Health Professions
Dr. David Fuller, Director, Rehabilitation Science Ph.D. Program



To: Members of the Graduate School Review Committee for the PhD Degree Program in Rehabilitation Sciences

DATE: May 3, 2013

From: Stephen K. Klasko, MD, MBA
Dean, Morsani College of Medicine
Senior Vice President, USF Health

A handwritten signature in dark ink, appearing to read "SK Klasko", written over a horizontal line.

Re: Resources to Implement the Proposed PhD Degree Program in Rehabilitation Sciences

I am writing to state my support for the proposal to establish a PhD degree program in Rehabilitation Sciences within the School of Physical Therapy & Rehabilitation Sciences at USF Health. SPTRS has developed an adequate financial plan (detailed within the SUS BOG Request to Offer a New Degree Program) to support the new degree program through targeted reallocation of a portion of the School's existing E & G funding, and has been reviewed by the USF Health Budget Director. Given the anticipated timing of program review and approval, the School will have the resources needed to ensure timely program implementation.

The proposed program in Rehabilitation Sciences has been on the USF-Tampa Academic Work Plan for the past several years and Dr. Quillen and his faculty are bringing it forward at this time as an integral element of the campus' Veterans' Reintegration and STEM initiatives supporting the School's trajectory towards full college status within USF Health. This new degree proposal also supports USF's AAU aspirations (note: three of USF's institutional and one aspirational peer all offer the PhD in Rehabilitation Sciences). The interdisciplinary linkage of new rehabilitation science core coursework developed and based in the SPTRS (academic home of the proposed degree) with existing coursework drawn from Colleges, Schools and departments across the Tampa campus is an unprecedented leveraging of our University's resources at a time of great state and national need.

This PhD program will not require the investment of any new E&G funding, but as stated will reallocate a portion of the School's existing E&G dollars from its current enterprise. It is anticipated that by program maturity most students will be at least partially funded by faculty grants. The School currently generates approximately \$2+ million in grants through its Human Functional Performance Laboratory and Center for Neuromusculoskeletal Research and has begun to include student waivers/stipends in new grant proposals in anticipation of PhD degree implementation.

Given the high priority placed upon doctoral programs by the University, the trajectory to national recognition forged by the School in its brief 14 years of existence, I have no doubt that the proposed PhD program will quickly rise to national and international prominence.

Please do not hesitate to contact my office if you require additional information.

VICE PRESIDENT, USF HEALTH • DEAN, COLLEGE OF MEDICINE
University of South Florida • 12901 Bruce B. Downs Blvd. MDC02 • Tampa, FL 33612-4742
(813) 974-2196 • Fax (813) 974-3886 • www.health.usf.edu



April 23, 2013

Dr. Donna Petersen
Dean, College of Public Health
University of South Florida

Dear Dean Petersen:

Donna

As you know the School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration; Chronic Disease, Veteran's Health/Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency
- The program will leverage coursework from both USF Health academic units including the College of Public Health as well as those on the Tampa campus
- The program focuses on educating degreed and licensed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science

By the very nature of rehabilitation sciences and the construction of this curriculum, doctoral students from the Rehabilitation Sciences program may wish to register and matriculate in graduate courses housed in your College.

While the number of students who may wish to register for a course in your College during any given semester may be relatively small, I am requesting a brief memo of concurrence for inclusion in the submission of our package to the Graduate School. If you agree, please sign at the bottom of this letter, scan and return to me.

Should you have any questions or concerns regarding the proposal, please let me know at your earliest convenience.

It would be very much appreciated if you could forward your response by Friday, April 26th. I thank you for your time and attention to this important issue.

Sincerely,

William S. Quillen

William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

Donna Petersen

Digitally signed by Donna Petersen
DN: cn=Donna Petersen, o=USF College of Public Health,
ou=Administrative, email=petersen@health.usf.edu, c=US
Date: 2013.05.07 08:40:29 -0400

Donna Petersen, PhD, Dean, College of Public Health

SCHOOL OF PHYSICAL THERAPY & REHABILITATION SCIENCES • COLLEGE OF MEDICINE
University of South Florida • 12901 Bruce B. Downs Blvd, MDC 77 • Tampa, FL 33612-4799
(813) 974-8870 • Fax (813) 974-8915 • <http://health.usf.edu/medicine/dpt>



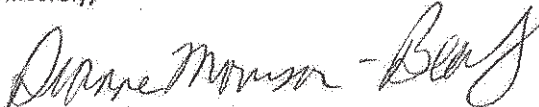
May 2, 2013

William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

Dear Dean Quillen,

Please note this as response to your request below for a letter of concurrence. As you are aware, the College of Nursing similarly has the two strategic initiatives – RESTORE Lives: Research and Education to Restore the Lives of military, service members and their families and our Center for Living with Chronic Illness. Thus, our college offers outstanding opportunities for students interested in those foci. I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

Sincerely,


Dianne Morrison-Beedy, PhD, RN, WHNP-BC, FNAP, FAANP, FAAN
Dean, College of Nursing, University of South Florida
Senior Associate Vice President USF Health

April 23, 2013

Dr. Dianne Morrison-Beedy
Dean, College of Nursing
University of South Florida

Dear Dean Morrison-Beedy:

As you know, the School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine, University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314). The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration; Chronic Disease, Veteran's Health/Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency

OFFICE OF THE DEAN • COLLEGE OF NURSING
University of South Florida • 12901 Bruce B. Downs Blvd., MDC22 • Tampa, FL 33612-4766
813-974-2191 • 813-974-5148 • health.usf.edu/nursing

- The program will leverage coursework from both USF Health academic units including potentially the College of Nursing as well as those on the Tampa campus
- The program focuses on educating degreed and licensed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science.

By the very nature of rehabilitation sciences and the construction of this curriculum, doctoral students from the Rehabilitation Sciences program may wish to register and matriculate in graduate courses housed in your College.

While the number of students who may wish to register for a course in your College during any given semester may be relatively small, I am requesting a brief memo of concurrence for inclusion in the submission of our package to the Graduate School.

Sincerely,

William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences



April 23, 2013

Dr. Kevin Sneed
Dean, College of Pharmacy
USF Health
University of South Florida

Dear Dean Sneed: *Kevin*

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration; Chronic Disease, Veteran's Health/Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency
- The program will leverage coursework from both USF Health academic units including potentially the College of Pharmacy as well as those on the Tampa campus
- The program focuses on educating degreed and licensed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science

By the very nature of rehabilitation sciences and the construction of this curriculum, doctoral students from the Rehabilitation Sciences program may wish to register and matriculate in graduate courses housed in your College.

While the number of students who may wish to register for a course in your College during any given semester may be relatively small, I am requesting a brief memo of concurrence for inclusion in the submission of our package to the Graduate School. If you agree, please sign at the bottom of this letter, scan and return to me.

Should you have any questions or concerns regarding the proposal, please let me know at your earliest convenience.

It would be very much appreciated if you could forward your response by Friday, April 26th. I thank you for your time and attention to this important issue.

Sincerely,

Aandy
William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

Kevin B. Sneed
Kevin Sneed, PharmD, Dean, College of Pharmacy



April 25, 2013

Dr. Robert Deschenes
Chair, Department of Molecular Medicine
Morsani College of Medicine
University of South Florida

Dear Dr. Deschenes: *Bob*

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

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Sincerely,

Sandy
William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

Robert Deschenes
Robert Deschenes, PhD, Chair, Department of Molecular Medicine, MCOM

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April 25, 2013

Dr. Sarah Yuan
Chair, Department of Molecular Pharmacology & Physiology
Morsani College of Medicine
University of South Florida

Dear Dr. Yuan:

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

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William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.


Sarah Yuan, MD, PhD, Chair Department of Molecular Pharmacology & Physiology, MCOM

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April 25, 2013

Dr. Phil Marty
Interim Chair, Department of Pathology & Cell Biology
Morsani College of Medicine
University of South Florida

Dear Dr. Marty:

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

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William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.


Phil Marty, PhD, Interim Chair Department of Pathology & Cell Biology, MCOM

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HEALTH

April 23, 2013

Dr. Julianne Serovich
Dean, College of Behavioral and Community Sciences
University of South Florida

Dear Dean Serovich:

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

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William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.



Julianne Serovich, PhD, Dean, College of Behavioral and Community Sciences

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April 24, 2013

Dr. William S. Quillen
Associate Dean, Morsani College of Medicine
Director, School of Physical Therapy
and Rehabilitation Sciences
3515 E. Fletcher Avenue
Tampa, FL 33612

Dear Dr. Quillen,

We are pleased to support your proposal for a Ph.D. in Rehabilitation Sciences. We look forward to its implementation and are happy to provide space in appropriate graduate classes for your students.

Best Regards,

A handwritten signature in black ink, appearing to read "Eric M. Eisenberg", is located below the "Best Regards," text.

Eric M. Eisenberg, Ph.D.
Professor and Dean
College of Arts and Sciences

seh

cc: Robert Potter, Associate Dean



April 23, 2013

Dr. Harold Keller
Interim Dean, College of Education
University of South Florida

Dear Dean Keller:

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

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William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

Cc: Stephen Sanders, PhD

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.


Harold Keller, PhD, Interim Dean, College of Education

4/25/13

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College of Health Sciences
Rehabilitation Sciences Doctoral Program
Wethington Building, Room 210
Lexington, KY 40536-0200
859 218-0860
fax 859 323-6003

July 8, 2013

William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean
USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences
University of South Florida
Tampa, FL 33620, USA

Dear Dr. Quillen

Attached is my review of the proposal for a PhD in Rehabilitation Sciences submitted by the School of Physical Therapy & Rehabilitation Sciences at the University of South Florida.

The documentation that was supplied was thorough and complete. The proposal is strong and you should be commended on developing a comprehensive plan with a well-constructed interprofessional curriculum. The focus on chronic disease, veteran's health /reintegration and neuromusculoskeletal disability provides several areas of concentration that are clinically relevant and have high potential for external funding. In combination with a talented faculty and tremendous resources, this proposal is sound and will provide a much needed route for rehabilitation specialists pursuing a PhD. The growth of the USF, and in particular the health sciences in such a short time is a credit to the administration of SPTRS and USF. It was a pleasure to review this application and I support it fully.

Sincerely Yours,

A handwritten signature in cursive script that reads 'Carl G. Mattacola'.

Carl G. Mattacola, PhD, ATC, FNATA
Professor and Director-
Rehabilitation Sciences Doctoral Program



College of Health Sciences
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Carl G. Mattacola, PhD, ATC, FNATA
Professor and Director-
Rehabilitation Sciences Doctoral Program

Proposed Doctoral Program in Rehabilitation Sciences at the University of South Florida

External Evaluation Report

July 1, 2013

The purpose of the proposed PhD in Rehabilitation Sciences at the University of South Florida (USF) School of Physical Therapy and Rehabilitation Sciences (SPTRS) is to prepare faculty researchers who will contribute to the development of rehabilitation practice, research and education in an emerging 21st century health care environment.

There is a critical need for expanded numbers of terminally degreed, research-oriented faculty to support the research and teaching needs of physical therapists, occupational therapists, speech therapists, audiologists, or rehabilitation counselors in educational programs in Florida as well as nationally. The PhD in Rehabilitation Sciences proposed seeks to address this need. Chronic faculty vacancies, which are projected to increase among an aging faculty workforce and expansion of academic degree requirements, are making clinical doctoral education programs in the rehabilitation sciences inadequately prepared to educate future physical and occupational therapists. The shortage of qualified faculty in these education programs exists throughout the United States including in Florida. As many current faculty members reach retirement age, projections of increasing faculty vacancies in coming years are compounded by the fact that current clinician faculty, who do not have terminal degrees, soon will become unqualified by program and institutional accreditation standards as education programs in the rehabilitation sciences shift from entry-level masters to doctoral degree programs.

As the general population ages, projected increases in societal demand for physical therapy, occupational therapy and rehabilitation health professionals will result in increased student enrollment in these education programs, and will increase further the urgency for a greater number of appropriately qualified faculty. Physical rehabilitation health occupations are projected to grow by approximately 25% over the next decade in response to this demand. Presently, there are not enough PhD programs in the rehabilitation sciences to produce the number of faculty scholars needed to keep up with the growing demand and expanding professions. The shortage of qualified faculty will jeopardize the quality of education, program accreditation and the core knowledge-base necessary to provide state-of-the-art rehabilitation healthcare to the public.

Health profession education programs in the rehabilitation sciences across the country are having difficulty finding qualified terminally-degreed applicants to fill open faculty positions. Even with a strong preference to hire faculty with a PhD or similar terminal doctorate, programs often have no choice but to hire individuals with clinical competencies, e.g. board certification through the American Board of Physical Therapy Specialties, but who do not have terminal

doctorates, due to the scarcity of such credentials in national and regional faculty applicant pools. These chronic shortages of terminally degreed faculty could be ameliorated by the existence of PhD programs in rehabilitation sciences that are specifically designed to produce research-oriented faculty scholars to teach allied health professionals.

The proposed PhD program will be administered by The University of South Florida SPTRS and is uniquely qualified to offer an interdisciplinary PhD in Rehabilitation Sciences based on the interprofessional composition and extensive interprofessional experience of its faculty, curriculum, and research portfolio. The interprofessional focus of the proposed program on rehabilitation sciences will distinguish the program from more traditional PhD programs within the state and nation. Graduates of the proposed PhD program in Rehabilitation Sciences are expected to demonstrate advanced knowledge and productivity related to research, education, and service delivery through interprofessional collaborations designed to generate and extend knowledge that is focused and evidence-based.

The report is organized as follows:

1. Need and Demand for the program
 - a. USF need
 - b. Society need the Program
 - c. Rehabilitation Sciences
 2. Quality of the Program
 - a. Program Structure
 - b. Curriculum
 - c. Recommendations
 3. Qualifications of the Faculty
 - a. Existing Faculty Expertise
 - b. Additional Faculty Needed
 - c. Recommendation's
 4. Resources and Costs
 - a. Exiting Resources
 - b. Costs
 - c. Projected Revenue
 5. Summary
-

1. Need and Demand for the Program

- a. USF Need: The Rehabilitation Sciences PhD program is aligned with the Florida Board of Governors Strategic Plan in the areas of teaching and learning, scholarship, research and innovation, and community and business engagement. As previously stated this academic program will specifically contribute to training the future health care workforce, and increasing the number of degrees awarded in STEM area of strategic emphasis. The program's purpose to develop competent scholars and scientists, who contribute to Scholarship, Research & Innovation, and Community & Business Engagement, will be realized by the interaction of the program with the USF community in areas of continuing education, research collaborations, community engagement and entrepreneurial activities. It has already demonstrated several relationships with local cooperation's. Specifically The PhD degree program in Rehabilitation Sciences is aligned with the USF System Strategic Plan Goals to: (1) create well-educated and highly skilled global citizens through our continuing commitment to student success; (2) develop high-impact research and innovation to change lives, improve health, and foster sustainable development and positive society change; (3) build a highly effective, major economic engine, creating new partnerships to build a strong and sustainable future for Florida in the global economy and (4) provide sound financial management to establish a strong and sustainable economic base in support of USF's continued academic advancement.

The Rehabilitation Sciences PhD program would align USF with other AAU institutions that have existing or recently established PhD programs in Rehabilitation Sciences, including both USF institutional and aspirational peers. This program's goal will be to create a new generation of faculty with a broad perspective of enablement that can be linked to the economic development and betterment of the health and welfare of the citizens of Florida and society. Ultimately this program would enable the USF System and Tampa campus in meeting the strategic plans to achieve AAU status.

- b. Society Need for the Program: Numerous faculty vacancies currently exist (>300) in core rehabilitation disciplines within Florida colleges and universities and nationally, e.g. physical therapy, audiology, occupational therapy, athletic training, rehabilitation counseling, prosthetics and orthotics and chiropractic as examples. At the time of this writing, there are 267 open faculty positions in physical therapist education programs, 40% of physical therapy core academic faculties are over the age of 55 and there is a need for additional faculty in

occupational therapy. Based on an evaluation of current faculty in all occupational therapy educational programs nationally, more than 650 current occupational therapy faculty do not hold a terminal degree and therefore are not qualified to teach in entry-level clinical doctoral programs based on accreditation standards. In the near future, current occupational therapy faculty will be seeking terminal degrees in order to maintain their qualifications and meet accreditation standards. As many current faculty members reach retirement age, projections of increasing faculty vacancies in coming years are compounded by the fact that current clinician faculty who do not have terminal degrees soon will become unqualified by program and institutional accreditation standards as professional education programs in the rehabilitation sciences shift from entry-level masters to doctoral degree programs.

While these data are specific to physical therapy and occupational therapy, similar faculty vacancies are found in other rehabilitation disciplines and pose a barrier to meet emerging societal needs. Human longevity has accelerated the need for scholars, researchers, administrators and policy analysts in rehabilitation sciences. The USF proposal seeks qualified graduate students primarily drawn from the rehabilitation disciplines. In addition, this proposal has demonstrated a societal need that can be addressed at USF SPTRS without a redundancy of resources.

- c. Rehabilitation Sciences: As the general population ages, projected increases in societal demand for physical therapy, occupational therapy and rehabilitation health professionals will result in increased student enrollment in professional education programs, resulting in the urgency for a greater number of appropriately qualified faculty. Physical rehabilitation health occupations are projected to grow by some 25% over the next decade. Currently there are not enough PhD programs in the rehabilitation sciences to produce the number of faculty scholars needed to keep up with the growing demand and expanding professions. The shortage of qualified faculty will jeopardize the quality of education, program accreditation and the core knowledge-base necessary to provide state-of-the-art rehabilitation healthcare to the public.

2. Quality of the Program

a. Program Structure

The PhD in Rehabilitation Sciences program provides a combination of core and concentration specific courses, courses in research methodology, and mentored

research leading to an independent research project.

No specialized accreditation is available for PhD programs. In the absence of an accreditation organization, the program will undergo a 'Program Review' within seven years of its initiation in the fall of 2014. Additionally, the USF Graduate Council and Graduate School will also conduct a three-year program review required for all new graduate programs. These reviews will afford the necessary checks and balances and provide the program a method of evaluation to determine areas of improvements and potential modifications.

USF has a history of delivering successful education programs at the professional level. The Physical Therapy program has been continuously accredited by the Commission on Accreditation in Physical Therapist Education (CAPTE) since the graduation of its inaugural class in 2001. Likewise, it has a strong history of success related to pass rates for graduates of the program (99%) and employment following graduation (100%). As someone who is familiar with PhD curriculums in the Rehabilitation Sciences, the curriculum that is outlined in this proposal exceeds or is equal to in quality comparison to similar programs in the United States.

b. Curriculum

The Curriculum is well organized and will provide a structured pathway to guide students to be leaders and scholars in the rehabilitation sciences. In addition to the core courses, students must select a faculty member who will provide an accurate overview of the student's program of study and serve to assist the student's research and scholarly agenda. By pairing a student with a dedicated mentor early in the dissertation process, the opportunity for sustained growth in the research arena is fostered. The content and the total credit hours are comparable to other national PhD programs in Rehabilitation Sciences in the . Likewise, the time to completion is consistent with other PhD in Rehabilitation Sciences programs and maximizes the use of summer courses for those students, who are motivated to complete the requirements in a timely fashion.

Rehabilitation Sciences Core – 15 credits

Introduction to Rehabilitation Science (3)

Advanced Rehabilitation Science (3)

Research Proseminar in Rehabilitation Science (2)

Rehabilitation Ethics (3)

Mentored Research Apprenticeship 1 and 2 (2)

Colloquia 1 and 2 (2)
 Statistics/Research Methodology Core – 15 credits
 Concentration (One of Three) – 15 credits
 1. Chronic Disease
 2. Veterans Health/Reintegration
 3. Neuromusculoskeletal Disability
 Dissertation – 12 credits
 Electives – 9 credits
 Summary: 66 credits

		Year 1		Year 2		Year 3		Year 4***	
		Course	Cr.	Course	Cr.	Course	Cr.	Course	Cr.
Semester	Fall	Intro to Rehabilitation Sciences	3	Research Proseminar in Rehabilitation Sciences	2	Dissertation	3	Dissertation Elective(s)	—
		Colloquium 1	1	Mentored Research	1				
		Concentration	3	Apprenticeship					
		Statistics/Research Methodology	3	Statistics/Research Methodology	3				
	Spring	Advanced Rehabilitation Sciences	3	Concentration	3	Dissertation	6	Dissertation	---
		Colloquium 2	1	Statistics/Research Methodology	3				
		Concentration	3	Elective(s)*	3				
		Statistics/Research Methodology	3						
	Summer	Rehabilitation Ethics	3	Comprehensive Examination	6	Dissertation	3	Dissertation	---
		Concentration	3	**Accepted to Candidacy					
			29		25		12		

c. Recommendations:

Although the program proposal presented is very strong, I would offer the following recommendations:

1. Consider mechanisms to offer courses on a rotating sequence. This will be important since many cohorts of doctoral students will be relatively small thereby making it difficult to offer all core courses on an annual basis. Also, consider flexibility within the curriculum to reflect students who have met the transfer credit criteria, e.g. courses in research methodology or other USF offerings.
2. Provide and encourage flexibility within the concentration courses.. Specifically, there will be many opportunities where students will be able to focus on their concentration area with independent and/ or mentored research. One advantage of encouraging research apprenticeships with available faculty member is the product of completion can lead and contribute to a formal dissertation project. I am assuming that students will have different types of dissertations. For example, a traditional dissertation of 5 chapters to include: Introduction, Review of Literature, Methods, Results and Discussion versus a multi-part dissertation i.e., an "European Model".

The chapters of a multi-part dissertation are often organized according to the following: Introduction of topical area and overall hypotheses, Study 1, Study 2, Study 3 (Dissertation Study) and Conclusion. The advantage to a multi-part dissertation is that PhD students are more productive and able to focus more sustained energy on their research, which allows for improved refinement of technique/methodology and trouble-shooting prior to the onset of their dissertation. Finally, it provides students the ability to work on smaller manageable studies while building a focused research agenda.

3. A cadre of classes currently being taught and used for the PhD program will need to be successful without a cohort of PhD students to fill the class. This will be important to ascertain as there may be 4-5 students who enter per year therefore, it would hard to tailor such courses to be filled only by PhD in Rehabilitation Sciences students. By offering the courses to those outside of the PhD program, the course will be enriched by a diverse group of students and ensure maximum capacity. .

Qualifications of the Faculty

- a. Existing Faculty Expertise: Faculty that have been identified to participate in this PhD program are very qualified. Six of the 10 faculty are in tenure track positions and are consistent scholars of the profession and several with extramural grant funding. The current faculty will provide mentorship and serve as excellent preceptors for incoming students.

Faculty Code	Faculty Name or "New Hire" Highest Degree Held Academic Discipline or Specialty	Rank	Contract Status	Initial Date for Participation in Program	Mon. Contract Year 1	FTE Year 1	% Effort for Prog. Year 1	FY Year 1	Mon. Contract Year 5	FTE Year 5	% Effort for Prog. Year 5	FY Year 5
A	William Quillen Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.10	0.10
A	Laura Swisher Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.10	0.10
A	John Mayer Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.25	0.25	12	1.00	0.25	0.25
A	Jason Highsmith Physical Therapy	Asst. Professor	Tenure Track	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.15	0.15
A	Seok Kim Physical Therapy	Asst. Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Aimee Klein Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Gina Musolino Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Heather Hartnell Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Rose Pignaturo Physical Therapy	Asst. Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Nadhi Tajiri Physical Therapy/MS	Asst. Professor	MYA	Fall 2014	12	1.00	0.00	0.00	12	1.00	0.10	0.10
B	New Hire	Asst. Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.15	0.15
B	New Hire	Asst. Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.10	0.10
C	New Hire	Asst. Professor	Tenure Track	Fall 2015	12	0.00	0.00	0.00	12	1.00	0.15	0.15
C	New Hire	Asst. Professor	Tenure Track	Spring 2016	12	0.00	0.00	0.00	12	1.00	0.10	0.10
Total Person-Years (PY)								0.90				1.45

b. Additional Faculty Needed: It has been identified that four (4) new hires will be transitioned into the PhD program, two in 2014, one in 2015 and one in 2016. Additional doctorally trained faculty with identifiable research foci that are consistent the mission of the SPTRS and PhD in Rehabilitation Sciences program will provide mentorship for incoming students as the program ramps up from 3 to 20 students.

c. Recommendations: It is recommended that distribution of effort (DOE) of the new faculty be increased from 10% - 15% DOE for each faculty member to 20%. Since extramural funding is an expectation, this increase will allow the faculty member to develop and submit funding proposals. In addition the increased effort will provide expanded exposure and presence to doctoral students as they develop their respective research programs.

3. Resources and Costs

a. Exiting Resources: USF has identified that they will relocate current and future faculty effort. In addition, administrative staff resources will be allocated based on current resources. The funds will be apportioned from the School's existing E&G for future faculty hires.

Costs: Cost for the program is outlined below from Appendix A. There will be 10 current faculty participating in the program for a total of 0.90 DOE equivalent to a full time position (FTE) in year 1 and 1.45 effort (FTE) in year 5, which includes contributions from the new faculty hires. In addition \$70,000.00 will be allocated for a total of two (2) research assistantship positions. The faculty resources allocated and projected are adequate to provide stability and meet the needs of the PhD in Rehabilitation Sciences program at USF.

Instruction & Research Costs (non-cumulative)	Year 1							Year 5					
	Funding Source						Subtotal E&G, Auxiliary, and C&G	Funding Source					Subtotal E&G, Auxiliary, and C&G
	Reallocated Base* (E&G)	Enrollment Growth (E&G)	Other New Recurring (E&G)	New Non- Recurring (E&G)	Contracts & Grants (C&G)	Auxiliary Funds		Continuing Base** (E&G)	New Enrollment Growth (E&G)	Other*** (E&G)	Contracts & Grants (C&G)	Auxiliary Funds	
Faculty Salaries and Benefits	125,000	0	0	0	0	0	\$125,000	200,000	0	0	0	0	\$200,000
A & P Salaries and Benefits	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
USPS Salaries and Benefits	40,000	0	0	0	0	0	\$40,000	40,000	0	0	0	0	\$40,000
Other Personal Services	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Assistantships & Fellowships	70,000	0	0	0	0	0	\$70,000	70,000	0	0	70,000	0	\$140,000
Library	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Expenses	5,000	0	0	0	0	0	\$5,000	5,000	0	0	0	0	\$5,000
Operating Capital Outlay	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Special Categories	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Total Costs	\$140,000	\$0	\$0	\$0	\$0	\$0	\$140,000	\$315,000	\$0	\$0	\$70,000	\$0	\$385,000

*Identify reallocation sources in Table A.

**Includes recurring E&G funded costs ("reallocated base," "enrollment growth," and "other new recurring") from Years 1-4 that continue into Year 5.

***Identify if non-recurring.

Faculty and Staff Summary

	Year 1	Year 5
Total Positions:		
Faculty (person-years)	0.9	1.45
A & P (FTE)	0	0
USPS (FTE)	0.9	1

Calculated Cost per Student FTE

	Year 1	Year 5
Total E&G Funding	\$240,000	\$315,000
Annual Student FTE	5.625	15.55
E&G Cost per FTE	\$42,667	\$20,256

Faculty Code	Faculty Name or "New Hire" Highest Degree Held Academic Discipline or Speciality	Rank	Contract Status	Initial Date for Participation in Program	Mos. Contract Year 1	FTE Year 1	% Effort for Prg. Year 1	FY Year 1	Mos. Contract Year 2	FTE Year 2	% Effort for Prg. Year 2	FY Year 2
A	William Quillen Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.10	0.10
A	Laura Switzer Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.10	0.10
A	John Mayer Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.25	0.25	12	1.00	0.25	0.25
A	Jacob Highsmith Physical Therapy	Asst. Professor	Tenure Track	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.15	0.15
A	Seok Kim Physical Therapy	Asst. Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Aimee Klein Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Gina Musolino Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Heather Hartwell Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Rose Pignataro Physical Therapy	Asst. Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Nicki Tapp Physical Therapy/NS	Asst. Professor	MYA	Fall 2014	12	1.00	0.00	0.00	12	1.00	0.10	0.10
B	New Hire	Asst. Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.15	0.15
B	New Hire	Asst. Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.10	0.10
C	New Hire	Asst. Professor	Tenure Track	Fall 2015	12	0.00	0.00	0.00	12	1.00	0.15	0.15
C	New Hire	Asst. Professor	Tenure Track	Spring 2016	12	0.00	0.00	0.00	12	1.00	0.10	0.10
Total Person-Years (FY)								0.90				1.45

- b. Projected Revenue: Projected revenue will be received by tuition dollars and grant funding. The faculty in the program average approximately 170 million in extramural funding. Extramural funding and submission activity has increased exponentially with the appointment of new faculty. Grants will be sought from several agencies including Department of Defense (DOD), Veteran's Administration (VA), Federal Emergency Management Administration (FEMA) and the National Institutes of Health (NIH), as well as through growing wounded warrior and aging population agencies. The SPTRS has demonstrated a solid track record with industry sponsorship. Approximately 20 students will be enrolled by year 5. This is a reasonable number of full-time students considering faculty have additional responsibilities outside of this doctoral program.

c. Recommendations:

1. It is recommended that at least one faculty member be provided a primary appointment of 80 to 100% DOE in the doctoral program. This would provide continuity for administrative efforts and identify a specific faculty member whose primary responsibility will be oversight and development of future directions.
2. Use of a clinical fellowship to supplement the costs for students. Clinical doctoral fellowships are a source of funding opportunities for graduate

students and provide a balanced portfolio of funding when external grants and contracts are in transition or unavailable. The Clinical Doctoral Fellowship (CDF) is one mechanism for USF to partner with the clinical community which would result in providing opportunities for growth and shared expertise.

The CDF would work like this: A clinical partner agrees to donate support for a CDF for a minimum period of three years at a rate of approximately \$30,000 per year to be paid in equal quarterly increments. In exchange for the funding, a clinical doctoral fellow will be placed in the partner's facility in a clinical capacity for 20 hours per week for three years (may include 18-month clinical fellowship experience). The purpose of this fellowship is to attract the best students and broaden the opportunities available for future clinical leaders and academic scholars while providing the clinical settings with highly motivated, cost efficient clinicians. There are advantages to considering the clinical fellowship. One advantage for the clinical setting is the availability of an efficient clinical provider with no employee benefit costs. The doctoral fellow can provide consistent (minimum three-year) clinical support and the clinical provider has the advantage to work with bright, energetic, clinically, research oriented individuals.

There are advantages to the Morsani College of Medicine in which SPTRs resides. The ability to attract students to the PhD in Rehabilitation Sciences Program, develop closer ties to the clinical community and prepare the next generation of clinical and academic leaders. In addition the CDF provides for stronger collaborative relationships between USF and clinical partners.

Finally there are a number of advantages to the graduate student: a tuition-free education, and additional clinical experience in an area of interest. Additionally, the student is provided a clinical mentor and other clinical resources, which could include a potential subject population for their research. The greatest advantage of a clinical doctoral fellowship with USF is that it meets the strategic goal of partnering with the community.

Summary:

The proposed PhD in Rehabilitation Sciences program will be administered by The University of South Florida School of Physical Therapy & Rehabilitation Sciences and is uniquely qualified to offer an interprofessional PhD program based on the interdisciplinary composition and extensive interprofessional experience of its faculty, curriculum, and research portfolio. The interdisciplinary focus of the proposed program on rehabilitation sciences will distinguish the program from more traditional PhD programs within the state and nationally. Graduates of the proposed PhD program in Rehabilitation Sciences are expected to demonstrate advanced knowledge and productivity related to research, education, and service delivery through interprofessional collaborations designed to generate and extend knowledge that is focused and evidence-based.

The PhD degree program in Rehabilitation Sciences is aligned with the USF System Strategic Plan Goals to: (1) create well-educated and highly skilled global citizens through our continuing commitment to student success; (2) develop high-impact research and innovation to change lives, improve health, and foster sustainable development and positive society change; (3) build a highly effective, major economic engine, creating new partnerships to build a strong and sustainable future for Florida in the global economy and (4) provide sound financial management to establish a strong and sustainable economic base in support of USF's continued academic advancement.

Dr. William S. Quillen and faculty in the SPTRS should be commended on developing a comprehensive plan with a well-constructed interprofessional curriculum. The research foci are cutting edge and unique when compared to many other rehabilitation sciences doctoral programs. Specifically, the focus on chronic disease, veteran's health /reintegration and neuromusculoskeletal disability provides several areas of concentration that are clinically relevant and have high potential for external funding. In combination with a talented faculty and tremendous resources, this proposal is sound and will provide a much needed route for rehabilitation specialists pursuing a PhD. The growth of the USF, and in particular the health sciences in such a short time is a credit to the administration of SPTRS and USF. It was a pleasure to review this application and I support it fully.

Sincerely,



Carl G. Mattacola, PhD, ATC, FNATA
Professor, Department of Rehabilitation Sciences
University of Kentucky

CURRICULUM VITAE

Name: Steven B. Ambler, PT, DPT, OCS

Address: 8129 Brinegar Circle, Tampa, FL 33647

Telephone: 623-217-9563

Name of Educational Program and Institution: University of South Florida, Morsani College of Medicine, School of Physical Therapy and Rehabilitation Sciences

Education:

WASHINGTON UNIVERSITY IN ST. LOUIS

- Doctor of Physical Therapy, Washington University in St. Louis, 2002-2005

UNIVERSITY OF ILLINOIS

- Bachelor of Science in Kinesiology with Honors, University of Illinois, 1997-2002

Licensure Information/Registration Number: Florida PT25478

Certifications (eg, ABPTS): Orthopaedic Clinical Specialist

Employment and Positions Held:

Assistant Clinical Professor

Non-tenure clinical track

University of South Florida, School of Physical Therapy and Rehabilitation Sciences

Tampa, FL

2010-Present

Director of Physical Therapy

Arizona OrthoSports Physical Therapy

Phoenix, AZ

2005-2010

Peer Reviewed Publications:

Ambler, SB. Glenohumeral Joint Instability, in AccessPhysiotherapy Quick Answers, McGraw Hill. Awaiting publication.

Published Abstracts of Peer Reviewed Presentations:

Ambler SB, Donahue KA. The use of classroom education by a physical therapist to increase physical activity levels in highschool adolescents. Pediatric Section Abstracts: Poster Presentations. Combined Sections Meeting of the American Physical Therapy Association 2008.

Ambler SB. The use of the movement impairment system to diagnose and treat a patient with shoulder pain. Orthopaedic Section Abstracts: Poster Presentations OPO2209. Combined Sections Meeting of the American Physical Therapy Association 2009.

Ambler SB. The use of a diagnosis in physical therapy for the treatment and prevention of recurrent low back pain. Orthopaedic Section Abstracts: Poster Presentations. Annual Conference of the American Physical Therapy Association 2011. (180-RR)

Carroll MK, Toelle CA, Ambler SB, Kim SK, Highsmith MJ. Walkaide Efficacy on Gait and Multidirectional Stepping in A Child with Cerebral Palsy. American Academy of Orthotists & Prosthetists, 38th Academy Annual Meeting and Scientific Symposium, March 21-24, 2012.

Hartsell HB, Ambler SB, Murdoch KB, Highsmith MJ. The Effectiveness of Unloader Bracing to Assist Healing Following Tibial Baseplate Loosening After Unicompartamental Arthroplasty: A Functional Outcomes Analysis. Orthopaedic Section Abstracts: Poster Presentations. Annual Conference of the American Physical Therapy Association 2012.

Ambler, SB. A Physical Therapist's Diagnosis and Treatment of Proximal Hamstring Tendinopathy: A Case Report. Orthopaedic Section Abstracts: Poster Presentations. Annual Conference of the American Physical Therapy Association 2012.

Ambler, SB. The Role of Physical Therapy in Primary Care. Orthopaedic Section Abstracts: Poster Presentations. Annual Conference of the American Physical Therapy Association 2012.

Peer Reviewed Scientific and Professional Presentations (those not previously cited above under abstracts):

Abstracts (that were not presented)

Non-Peer Reviewed Publications:

Ambler, SB. Training the Trunk Musculature: Considerations for Physical Therapists, ADVANCE Physical Therapy, October 2012.

Ambler, SB. Lumbar Flexion Rotation Syndrome. Diagnosis Dialogue electronic posting, January 25th, 2012, <http://insidedxdialog.wusm.wustl.edu>

Non-Peer Reviewed Presentations:

Diagnosis and Treatment of Meniscal Injuries, October 10th 2010, University of South Florida, College of Medicine, Orthopaedics and Sports Medicine

Benefits of APTA Membership, November 10th 2010, South University, PTA Program

Doctoring in Physical Therapy, August 13th 2011, Arizona OrthoSports Physical Therapy, Glendale AZ

Anterior Cruciate Ligament Injury Prevention, Pre-Purgical Care, and Post-Surgical Topics, August 24th 2011, University of South Florida, College of Medicine, Orthopaedics and Sports Medicine

Prevention of Meniscal Injuries and Post-Surgical Considerations, October 26th, 2011, University of South Florida, Morsani College of Medicine, Orthopaedics and Sports Medicine

Invited Panel of ABPTS Certified Specialist's, Florida Physical Therapy Association's Physical Therapy Student Conclave, January 28th, 2012, Tampa, FL.

Morbidity & Mortality of Recurring Dislocating Patella: A Case Report, February 22nd, 2012, University of South Florida, Morsani College of Medicine, Orthopaedics and Sports Medicine

Physical Therapy and Primary Care, March 14th, 2012, University of South Florida, Morsani College of Medicine, School of Physical Therapy & Rehabilitation Sciences

Funded/In Review Grant Activity: include:

Linda Crane Research Award, *Florida Physical Therapy Association*

Dynamically Designed Orthotics: The Effects on Foot Pressure, Balance and Gait in Subjects with Simulated Neuropathic Ulcers- Benefits to the Diabetic Patient Population

Co-Principle Investigator

2011

Osteosarcoma Center, Moffitt Cancer Center & University of South Florida, Morsani College of Medicine:

Under Review

Functional Outcomes Following Lower Limb Salvage of Distal Femur Osteosarcoma: A Cross-Sectional Study

Primary Investigator

2013

Other Scholarly Products:

Reviewer, Guide to Physical Therapists Practice, APTA 2012

Research Activity:

Continuing Education Workshops Organized:

Membership in Scientific/Professional Organizations:

American Physical Therapy Association

2002 to Present

Orthopaedic, Sports, and Oncology section member

Florida Physical Therapy Association

2010 to Present

Director at Large, Board of Directors

West Central District, District Chair

Arizona Physical Therapy Association

2005-2010

First Vice President, Board of Directors

National Strength and Conditioning Association

Consultative and Advisory Positions Held:

Community Service:

Services to the University/College/School on

Committees/Councils/Commissions:

School of Physical Therapy and Rehabilitation Sciences

Executive Cabinet, 2012

School retreats: annual

Liason to Morsani College of Medicine Pre-Clerkship Planning Group

Undergraduate Honors Thesis Advisor

Honors and Awards:

Emerging Leader Award, APTA October 2012

Continuing Education Attended:

Combined Sections of the APTA 2006, 2007, 2008, 2009, 2010, 2012

Annual Meeting of the APTA 2007, 2011, 2012

Annual Meeting of the AzPTA 2006 to 2010

Annual Meeting of the FPTA 2010 to 2012

Current Teaching Responsibilities in the Entry-level Physical Therapy/Physical Therapist Assistant Program, if any (in sequence by term; specify term):

8/10 -

Present

Movement Science I

Instructor

University of South Florida, Morsani College of Medicine, School of Physical Therapy and Rehabilitation Sciences

8/10 -

Present

Movement Science II

Instructor

University of South Florida, Morsani College of Medicine, School of Physical Therapy and Rehabilitation Sciences

8/11 -

Present

Doctoring I

Instructor, Lead Physical Therapy Preceptor

University of South Florida, Morsani College of Medicine, School of Physical Therapy and Rehabilitation Sciences

8/12 -

Present

Doctoring for Physical Therapists

Instructor, Course Director

University of South Florida, Morsani College of Medicine, School of Physical Therapy and Rehabilitation Sciences

Proposed Teaching Responsibilities in the Proposed Entry-level Physical Therapy/Physical Therapist Assistant Program (in sequence by term; specify term):

CURRICULUM VITAE

Rebecca A. Edgeworth, PT, DPT
18467 Bridle Club Drive
Tampa, FL 33647
University of South Florida- School of Physical Therapy and Rehabilitation Sciences

Education:

DPT, Washington University in St. Louis, Physical Therapy August 2008- May 20th 2011
BS, University of Michigan in Ann Arbor, Honors in Movement Science
September 2004-April 25th 2008

Licensure Information/Registration Number: PT 26557 7/26/11 to Present

Certifications (eg, ABPTS): pursuing OCS

Employment and Positions Held: Instructor, University of South Florida, School of Physical Therapy and Rehabilitation Sciences, Tampa FL. August 2011-Present.

Peer Reviewed Publications:

Holtzman G, Harris-Hayes M, Hoffman SL, Zou D, Edgeworth R, Van Dillen LR. Clinical examination procedures to determine the effect of axial decompression on low back pain symptoms in people with chronic low back pain. J Orthop Sports Phys Ther. 2012; 42(2):105-113.

Published Abstracts of Peer Reviewed Presentations:

Hoffman SL, Zou D, Edgeworth R, Boschi M, Van Dillen LR. Sex differences in the pattern of lumbopelvic and hip medial rotation movement in people with chronic low back pain [abstract]. Proceedings of the 7th Interdisciplinary World Congress on Low Back & Pelvic Pain; 2010 Nov 9-12; Los Angeles; 2010: 334-335.

Peer Reviewed Scientific and Professional Presentations (those not previously cited above under abstracts):

Jansen J, Boyd M, Edgeworth R. Increasing compliance in a student-run free clinic [abstract]. SSFRC International Conference; 2013 Jan 25-27; San Antonio, TX.

Edgeworth R, Keen B, Crane E, Gross M. Effect of speed on emotion-related kinematics during walking [abstract]. North American Congress on Biomechanics; 2008 Aug 5-9; Ann Arbor, MI.

Abstracts (that were not presented)

Non-Peer Reviewed Publications:

Non-Peer Reviewed Presentations:

Oxford Debate, Florida Physical Therapy Association September 14th, 2012
Debated "Should Physical Therapy Reimbursement be Based on Outcomes?" at Annual state conference in Orlando, FL. Presenter, Rebecca Edgeworth, PT; Ronnie Cossie, SPT; Mary Connors PTA.

Complex Case of Patellar Contusion August 16th, 2012
Presented morbidity and mortality serious at USF for the West Central District of the FPTA.
Presenter: Rebecca Edgeworth, PT and 6 six other PTs.

Progress in Health Promotion and Wellness, Physical Therapy Rounds February 8th, 2012
Presented updated literature at PT Rounds at USF PT school. Presenter: Rebecca Edgeworth, PT

Physical Therapy Management of Low Back Pain October 28th, 2011
Presented PT interventions for low back pain based on literature at USF Neurosurgery Grand Rounds at Tampa General Hospital. Presenters: Rebecca Edgeworth, PT and John Mayer, DC, PhD

Funded/In Review Grant Activity: Compassionate Care Grant. Participant in interprofessional group dedicated to designing inter-professional education targeted at improving care for patients. May 2012-Present with 5% salary funding.

Other Scholarly Products:

Research Activity:

Continuing Education Workshops Organized:

Membership in Scientific/Professional Organizations: include positions held
American Physical Therapy Association, 2008-Present
Orthopedic Section, Performing Arts Special Interest Group
Delegate from West Central District to House of Delegates, 2012-2013

Florida Physical Therapy Association, 2011-Present
Assembly Representative for West Central District of FPTA, 2011-2013
Nominating Committee Chair for West Central District of FPTA, 2011-2013

Consultative and Advisory Positions Held:

Bridge Faculty Advisor, 2011-2012
Advise students in interprofessional student-run free clinic

Community Service:

BRIDGE, University of South Florida, Tampa FL August 2011- Present
PT preceptor for interprofessional student lead probono clinic serving local community.

Diabetes Center, University of South Florida, Tampa FL May 2012- July 2012
Provided exercise education to newly diagnosed patients with Type 2 Diabetes.

CATCH Fair January 2012
Supervised students in providing health care screens to underserved population of immigrant workers at the Tampa Bay Downs.

Services to the University/College/School on
Committees/Councils/Commissions:

Honors and Awards:

Continuing Education Attended: list only courses taken **within the last 5 years** that are **specifically related** to responsibilities in the entry-level program.

The Role of Physical Therapists in Smoking Cessation, September 2012

PT Annual Conference, June 2012

FPTA Annual Conference 2012, Orlando Florida. Attended sessions on orthopedics, urinary incontinence related to outpatient services, running athlete, ACL injury

Clinical Case Discussions August, 2012

Evaluating Effectiveness of Ethics Education for Physical Therapy Students, July 2012

Gait Retraining in the Running Athlete, June 2012

FPTA 2011 Annual Conference, Orlando Florida. Attended sessions on education, orthopedic injuries, outcomes measures in PT

APTA Credentialing for Clinical Instructors, August 2011

Current Teaching Responsibilities in the Entry-level Physical Therapy/Physical Therapist Assistant Program, if any (in sequence by term; specify term):

Doctoring for Health Professionals, 25 hours November 2012- Present
Lead small group in a case-based course including both medical and physical therapy students with focus on basic exam skills

Foundations, 25 hours August 2012-Present
Instructor in lab-based basic skills course focusing on basic physical therapy skills including transfers, assistive device training, gait training, range of motion, manual muscle testing, and other skills.

Patient Client Management, 10 hours each semester July 2011- Present
Instructor in class focusing on integrating student's knowledge to case-based problem solving in clinical and management issues. Lectured on imaging of the spine and low back pain case integration.

Evidence Based Medicine, 10 hours January 2012- Present
Served as faculty liaison to plan new course on searching the evidence and incorporating into clinical practice decision making. Served as an instructor to students in literature to assess quality of RCTs, appraisal of literature, and in answering clinical questions with a literature review.

Proposed Teaching Responsibilities in the Proposed Entry-level Physical Therapy/Physical Therapist Assistant Program (in sequence by term; specify term):

CURRICULUM VITAE

Lynne Bolt Hansen
12901 Bruce B. Downs Boulevard, MDC 77
Tampa, FL 33612
813-974-9350
University of South Florida School of Physical Therapy & Rehabilitation Sciences

Education:

Institution	Location	Duration of study	Field of study	Degree name	Date degree received /anticipated
University of South Florida	Tampa, FL	6/2011 – 8/2012	Public health	MPH	N/A
University of South Florida	Tampa, FL	8/2008 – 8/2009	Gifted education	Graduate Certificate	8/2009
University of South Carolina	Columbia, SC	08/1992 – 05/1995	Social work	MSW	05/1995
University of South Carolina	Columbia, SC	08/1988 – 05/1992	Interdisciplinary studies	BArSc	05/1992

Licensure Information/Registration Number: N/A

Certifications (eg, ABPTS): N/A

Employment and Positions Held:

Title	Faculty Rank	Tenure Status	Institution	Location	Duration
Faculty Administrator	Unranked	Non-tenure earning	University of South Florida School of Physical Therapy & Rehabilitation Sciences	Tampa, FL	6/2007 – present
Instructor	Adjunct	Non-tenure earning	University of South Carolina College of Social Work	Columbia, SC	2002 – 2003
Academic Advisor & Director of Alumni Affairs	Staff	Non-tenure earning	University of South Carolina Honors College	Columbia, SC	1997 – 2003
Grants Administrator	Staff	Non-tenure earning	University of South Carolina Advanced Solutions Group, Physics Department	Columbia, SC	1994 – 1997

Peer Reviewed Publications: N/A

Published Abstracts of Peer Reviewed Presentations: N/A

Peer Reviewed Scientific and Professional Presentations: N/A

Abstracts (that were not presented): N/A

Non-Peer Reviewed Publications: N/A

Non-Peer Reviewed Presentations:

Stephenson JB, Hansen LB, Swisher LL. Longitudinal Integrative Student Evaluation Using Standardized Patients: Lessons Learned. APTA Educational Leadership Conference. October 2011.

Funded/In Review Grant Activity: N/A

Other Scholarly Products: N/A

Research Activity: N/A

Continuing Education Workshops Organized: N/A

Membership in Scientific/Professional Organizations: N/A

Consultative and Advisory Positions Held:

Member, Board of Educators, Free Spirit Publishing, Inc. 2010-2013

Community Service:

Presenter, Lockhart Magnet Elementary School's Great American Teach-In, 2009

Services to the University/College/School on Committees/Councils/Commissions:

Member, USF Academic Assessment Council, 2009 – present

Member, USF Health Administrative Space Committee, 2009 – present

Member, USF Morsani College of Medicine Curriculum Committee's Subcommittee on Educational Processes and Outcomes, 2009-2010

Chair, USF School of Physical Therapy & Rehabilitation Sciences Executive Cabinet, 2009 – present

Member, USF School of Physical Therapy & Rehabilitation Sciences Preview Planning group, 2009 – present

Member, USF School of Physical Therapy & Rehabilitation Sciences Wrap-Up Week Planning group, 2009 – present

Honors and Awards:

Outstanding Student Service Award, University of South Carolina Department of Student Disability Services, May 2003, for excellence in advocacy for a student with disabilities.

Continuing Education Attended:

Health Policy & Management, University of South Florida, 1/2012 – 5/2012

Social Determinants of Health, University of South Florida, 9/2011 – 12/2011

Social and Behavioral Sciences Applied to Health, University of South Florida, 1/2011 – 5/2011

Writing Case Studies, USF Academy for Teaching and Learning Excellence, 11/2008

Multiple Choice Exams: Not Just for Recall, USF Academy for Teaching and Learning Excellence, 10/2008

Using Assessment Results to Improve Instruction, USF Academy for Teaching and Learning Excellence, 10/2008

Assessment Online, USF Academy for Teaching and Learning Excellence, 10/2008

Basics of Assessment, USF Academy for Teaching and Learning Excellence, 9/2008

Current Teaching Responsibilities in the Entry-level Physical Therapy/Physical Therapist Assistant Program:

PHT 7402: Psychosocial Aspects of Physical Therapy Practice – Year 2, Spring Semester
Course Director and Instructor

Proposed Teaching Responsibilities in the Proposed Entry-level Physical Therapy/Physical Therapist Assistant Program:

PHT 7402: Psychosocial Aspects of Physical Therapy Practice – Year 2, Spring Semester
Course Director and Instructor

CURRICULUM VITAE

(All CVs must be submitted in this format)

Name: Heather D Hartsell

Address: 3515 E Fletcher, Tampa Florida 33612

Telephone: 813-974-5930

Name of Educational Program and Institution: School of Physical Therapy and Rehabilitation Sciences, Morsani College of Medicine, University of South Florida, Tampa Florida

Education:

University of Dubuque Theological Seminary, Dubuque Iowa, 2005-08, theology, MDiv.

University of Western Ontario, Ontario, Canada, 1985-87, physical therapy, BSc(PT)

University of Alberta, Alberta, Canada, 1978-82, kinesiology, MSc.

University of Alberta, Alberta, Canada, 1975-78, kinesiology, Ph.D.

University of Western Ontario, Ontario, Canada, 1971-75, kinesiology, Hon BA.

Licensure Information/Registration Number:

03399 IA

27967 FL

Certifications:

Employment and Positions Held:

2009-pres	Faculty, Associate Professor, Scientist Educator, School of Physical Therapy and Rehabilitation Sciences, Morsani College of Medicine, University of South Florida, Tampa, FL
2002-04	Faculty, Associate Professor, tenure track, Health Sciences Program, College of Medicine, Indiana University, Indianapolis, IN
1996-2002	Faculty, Assistant Professor, tenure track, Physical Therapy Graduate Program, College of Medicine, University of Iowa, Iowa City, IA
1987-96	Faculty, Assistant Professor, tenure track, Faculty of Applied Health Sciences, The University of Western Ontario, Ontario, Canada
1981-84	Faculty, Assistant Professor, scientist educator, Faculty of Physical Education, The University of Western Ontario, Ontario, Canada

Peer Reviewed Publications:

Hartsell HD, Ambler SB, Murdoch KB, Highsmith MJ. "The Effectiveness of Unloader Bracing to Assist Healing Following Tibial Baseplate Loosening After Unicompartamental Arthroplasty: A Functional Outcomes Analysis." Manuscript in progress for submission to JOSPT, May 2012.

Saltzman CL, Zimmerman MB, Holdsworth RL, Beck S, Hartsell HD, Kesselring K, Frantz R: "Effect of Initial Weight-bearing in a Total Contact Cast on Healing of Diabetic Foot Ulcer", Journal of Bone and Joint Surgery, 86A(12):2714-2719, 2004.

Hartsell HD, Saltzman CL, Brand RA, Fitzpatrick D: "The Effects of Total Contact Casting Materials on Plantar Pressures", Foot and Ankle International, 25(2):73-78, 2004

Spaulding S, Livingston Lori, Hartsell HD: "The Influence of External Orthotic Support on the

Adaptive Gait Characteristics of Individuals with Chronically Unstable Ankles", *Gait and Posture*, 17:152-158, 2003

Kaminski TW, Hartsell HD: "Factors Contributing to Chronic Ankle Instability: A Strength Perspective", *Jour Athl Train* 37(4):394-405, 2002

Hartsell HD, Saltzman CL, Brand RA: "Total Contact Casting: Its Effect on Contralateral Plantar Foot Pressure", *Foot and Ankle International*, 23(4):330-334, April 2002

Hartsell HD, Fitzpatrick D, Brand R, Frantz R, Saltzman CL: "The Accuracy of a Custom-Designed Activity Monitor with Total Contact Cast Use: A Pilot Study", *Jour Rehabil Res and Develop*, 39(3):395-400, 2002

Hartsell HD, Fellner C, Franz R, Saltzman CL: "The Repeatability of Total Contact Cast Applications - Implications for Clinical Trials," *Jour Prosthetics and Orthotics* 13(1):4-7, 2001

Hartsell HD, Fellner C, Saltzman CL: "Pneumatic Bracing and Total Contact Casting Have Equivocal Effects on Plantar Pressure Relief," *Foot and Ankle International* 22(6):502-506, 2001

Hartsell HD, Spaulding SJ: "Eccentric/Concentric Ratios at Selected Velocities for the Invertor and Evertor Muscles of the Chronically Unstable Ankle", *North American Year Book of Sports Medicine*, 2000

Hartsell HD: "The Effects of External Bracing on Joint Position Sense Awareness for the Chronically Unstable Ankle," *Journal Sports Rehabilitation* 9:279-289, 2000

Hartsell HD: "The Effects of Body Position on the Isokinetic Torques of the Shoulder Rotators in the Scapular Plane", *Isokinetics and Exercise Science* 7:161-170, 1999/2000

Hartsell HD, Spaulding SJ: "Eccentric/Concentric Ratios at Selected Velocities for the Invertor and Evertor Muscles of the Chronically Unstable Ankle" *British Journal Sports Medicine* 33:255-258, 1999

Hartsell HD, Spaulding SJ: "Effects of Bracing on Isokinetic Torque for the Chronically Unstable Ankle", *Journal Sports Rehabilitation* 8:83-88, 1999

Birmingham TB, Chesworth BM, Hartsell HD, Stevenson AL, Lapenskie GL, Vandervoort AA: "Peak Passive Resistive Torque at maximum Inversion Range of Motion in Subjects with Recurrent Ankle Inversion Sprains", *Journal Orthopedics Sports Physical Therapy* 25(5):342-348, 1997

Spaulding SJ, Hartsell HD: "Effects of Orthotic Devices on Gait in Individuals with Compromised Knee Function", *Gait and Posture*, 5(2):170-171, 1997

Hartsell HD, Spaulding SJ: "Effectiveness of External Orthotic Support on Passive Soft Tissue Resistance of the Chronically Unstable Ankle", *Foot and Ankle International* 18(3):144-150, 1997

Hartsell HD, Forwell LF: "Post-operative Eccentric and Concentric Isokinetic Strength for the Shoulder Rotators in the Scapular and Neutral Planes," *Journal Orthopedics Sports Physical Therapy* 25:19-25, 1997

Hartzell HD, Rhodenizer WJ: "The Relationship Between Aging, Passive Resistance and Concentric Strength of the Ankle in Young through Middle-aged Males", *Physiotherapy Canada* 48:244-250, 1996

Lung M., Hartzell HD, Vandervoort AA: "Effects of Aging on Ankle Joint Stiffness: Implications for Exercise", *Physiotherapy Canada* 48(2):96-106, 1996

Hartzell HD, Hubbard M, Van Os P: "Isokinetic Strength Evaluation of Wrist Pronators and Supinators: Implications for Clinicians", *Physiotherapy Canada* 47:1-6, 1995

Hartzell HD: "Isokinetic Evaluation of Muscle Strength Ratios of the Ankle Invertors and Evertors", *Isokinetics and Exercise Science*, 4(3):116-121, 1994

Cox P, Kramer JF, Hartzell HD: "Effect of Different TENS Stimulus Parameters on Ulnar Motor Nerve Conduction Velocity", *American Journal of Physical Medicine and Rehabilitation* 72:294-300, 1993

Hartzell HD: "Post-Surgical Shoulder Strength in the Older Patient", *Journal of Orthopaedics and Sports Physical Therapy* 18(6):667-672, 1993

Zakaria D, Hartzell HD: "Efficacy of Electrical Muscle Stimulation During the Protected Immobilization Following Anterior Cruciate Ligament Surgery", *Physiotherapy Canada* 45(2):89-93, 1993

Walmsley RP, Hartzell HD: "Shoulder Strength Following Surgical Rotator Cuff Repair: A Comparative Analysis Using Isokinetic Testing", *Journal of Orthopaedics and Sports Physical Therapy* 15(5):215-222, May, 1992

Hartzell HD, Kramer JF: "A Comparison of the Effects of Electrode Placement, Contraction Intensity and Isometric Torque of the Knee Extensors", *Journal of Orthopaedics and Sports Physical Therapy* 15(4):168-174, April, 1992

Hartzell HD, Tata GE: "Les Problèmes Ostéo-Musculaires Chez De Futurs Musiciens", *Kinésithérapie Scientifique* 312:49-54, 1992 (France)

Hartzell HD, Tata GE: "A Retrospective Survey of Music-related Musculoskeletal Problems Occurring in Undergraduate Music Students", *Physiotherapy Can* 43(1):13-18, 1991

Hartzell HD: "Electrical Muscle Stimulation and Isometric Exercise Effects on Selected Quadriceps Parameters", *Journal of Orthopaedic and Sports Physical Therapy* 8 (4): 203-209, October, 1986

Hartzell HD, Mendryk S: "Epidemiology of Sports Injuries", *Journal of CATA*, Spring:5-7, 1983

Published Abstracts of Peer Reviewed Presentations:

Hartsell HD, Ambler SB, Murdoch KB, Highsmith MJ. "The effect of Unloader Bracing to Assist Healing Following Tibial baseplate Loosening After Unicompartamental Arthroplasty: A Functional Outcomes Analysis." *Physical Therapy Journal* 92(5):2230RR, May, 2012

Hartsell HD: "Effects of External Bracing on Joint Position Sense Awareness for the Chronically Unstable Ankle", *Physical Therapy* 81(5):A43, 2001.

Hartsell HD: "Effects of Body Position on Isokinetic Torque Ratios for the Shoulder Rotators", *Physical Therapy* 80(5): S21, 2000

Hartsell HD, Spaulding SJ: "Eccentric/Concentric Ratios for the Invertor and Evertor Muscles of the Chronically Unstable Ankle", *Physical Therapy* 79(5):S42, 1999

Spaulding SJ, Livingston L, Hartsell HD: "The Influence of External Orthotic Support on Adaptive Gait Characteristics", *NACOB*, 1998

Hartsell HD, Spaulding SJ: "The Effects of Flexible and Semi-rigid Orthotics on Isokinetic Parameters in the Chronically Unstable Ankle", *Physical Therapy* 78(5):S87, 1998

Hartsell HD, Spaulding SJ: "The Effectiveness of External Orthotic Support on Passive Soft Tissue Characteristics of the Chronically Unstable Ankle", *Physical Therapy* 77(5):S107, 1997

Spaulding SJ, Hartsell HD: "Monitoring Gait Mobility in Individuals with Compromised Knee Function: Effects of Orthotic Devices", *Gait and Posture* 5(2):170, 1997

Hartsell HD, Forwell L: "Eccentric and Concentric Strength Evaluation in the Neutral and Scapular Planes: Clinical Implications for the Rotator Cuff Repair Patient", *Physiotherapy Canada* 48(2):22, 1996

Hartsell HD, Forwell L: "Eccentric Strength Evaluation of the Preferred and Non-Preferred Shoulder Rotators in Two Planes for the Post-Rotator Cuff Repair Patient", *Physical Therapy* 75:43(S), 1995

Garland SJ, Hartsell HD, Helewa A, MacPhail HEA: "Incoming Undergraduate Physiotherapy Student Profile", *Physical Therapy* 74(5,suppl):, 1994

Hartsell HD: "Comparisons of Torque Generated by the Shoulder Rotators at Varying Velocities and Positions in the Older Post-Surgical Shoulder Patient", *Physical Therapy* 74(5,suppl.):, 1994

Chesworth B, Hartsell HD, Lapenskie GP, Vandervoort AA: "Effect of Active Warm-up on Passive Inversion Stiffness of the Ankle in Healthy Subjects", *Physical Therapy* 74(5, suppl):163, 1994

Garland SJ, Hartsell HD, Helewa A, MacPhail HEA: "Incoming Undergraduate Physiotherapy Student Profile", *Physiotherapy Canada* 46 (2,suppl.):88, Spring, 1994

Hartsell HD: "Comparisons of Torque Generated by the Shoulder Rotators at Varying Velocities and Positions in the Older Post-Surgical Shoulder Patient", *Physiotherapy Canada* 46 (2,suppl.):165, Spring, 1994

Chesworth B, Hartsell HD, Lapenskie GL, Vandervoort AA: "Effect of Active Warm- up on Passive Inversion Stiffness of the Ankle in Healthy Subjects", *Physiotherapy Canada* 46 (2,suppl.): 165, Spring, 1994

Hartsell HD: "Review of 'Clinical Sports Medicine'", Canadian Journal of Applied Sport Sciences 9(3): 166-167, 1990

Hartsell HD, Kramer JF: "A Comparison of the Effects of Electrode Placement, Isometric Torque and Knee Extensor Strength", Physiotherapy Canada 42(3):11, 1990

Hartsell HD: "A Comparison of the Effects of Electrode Placement and Isometric Torque on the Knee Extensors", Anatomy and Joint Function Concepts, CPA Orthopaedic Division, Fall, 1990

Peer Reviewed Scientific and Professional Presentations:

Non-Peer Reviewed Publications:

Hartsell HD: "Clinical Isokinetics for the Shoulder - What's Your Position?", invited article written and submitted to Journal of Physical Therapy Products, January 2001

Hartsell HD, Tata GE: "A Retrospective Survey of Music-related Musculoskeletal Problems Occurring in Undergraduate Music Students" CPA/OPD Review 18(2);17-20, 1994

Obright K, Hartsell HD: "Office Ergonomics", CPA/OPD Review 17(3);36-41, 1993

Hartsell HD: "Strains and Contusions of the Thigh Musculature", CPA/SPD Review 14(5):24-25, 1990

Hartsell HD: "Wrist and Thumb Support", CPA/SPD Review 14(2):31-32, 1989

Hartsell HD: "Medial Longitudinal Arch", CPA/SPD Review 13(7):27, 1989

Hartsell HD: "Closed Gibney for the Ankle Joint", CPA/SPD Review 13(6):22-23, 1989

Hartsell HD: "Open Basketweave for the Ankle Joint", CPA/SPD Review 14(5):19-21, 1989

Hartsell HD: "It's All on Tape", Part II, CPA/SPD Review 13(4):21-24, 1988

Hartsell HD: "It's All on Tape", Part I, Canadian Physiotherapy Association (Sports Physiotherapy Division) Review 13(3):18-21, 1988

Non-Peer Reviewed Presentations:

Funded/In Review Grant Activity:

A. Grants Received

<i>Title</i>	Components of an 8-channel electromyographic system to study muscle activity
<i>Source</i>	Ministry of Health Of Ontario Clinical Research Equipment Grant
<i>Amt of Direct Funds</i>	\$15,000

<i>Project Period (or 'submitted')</i>	1987
<i>Principal Investigator</i>	Kramer JF, Hartsell HD, Vandervoort AA
<i>% Effort on Grant</i>	
<i>% Salary Support Obtained</i>	
<i>Role/contributions (1-2 sentences)</i>	Co-investigator, needs analysis/writing
 <i>Title</i>	 Electro-stim 180, an electrical muscle stimulator to study the effects of electrical muscle stimulation on normal and traumatized muscle
<i>Source</i>	The University of Western Ontario, Special Competition for Research Funds
<i>Amt of Direct Funds</i>	\$4,818
<i>Project Period (or 'submitted')</i>	Fall 1988
<i>Principal Investigator</i>	Hartsell HD
<i>% Effort on Grant</i>	100%
<i>% Salary Support Obtained</i>	
<i>Role/contributions (1-2 sentences)</i>	Primary author and investigator
 <i>Title</i>	 The CYBEX, an isokinetic dynamometer to study and evaluate programs of rehabilitation, prevention and surgical outcomes in varying age populations
<i>Source</i>	The Ivey Foundation, The University of Western Ontario
<i>Amt of Direct Funds</i>	\$68,500
<i>Project Period (or 'submitted')</i>	Spring 1990
<i>Principal Investigator</i>	Hartsell HD
<i>% Effort on Grant</i>	100%
<i>% Salary Support Obtained</i>	
<i>Role/contributions (1-2 sentences)</i>	Primary author and investigator
 <i>Title</i>	 Bracing the Chronically Unstable Ankle
<i>Source</i>	Joint Solutions, Inc.
<i>Amt of Direct Funds</i>	\$2500
<i>Principal Investigator</i>	Hartsell HD
<i>% Effort on Grant</i>	100%
<i>Role/contributions (1-2 sentences)</i>	Primary investigator and author
 <i>Title</i>	 Extrinsic Factors Involved with Foot Ulceration Healing in the Patient with Diabetes
<i>Source</i>	Carver Medical Initiatives Grant
<i>Amt of Direct Funds</i>	\$30,000
<i>Project Period (or 'submitted')</i>	February 2001-February 2003
<i>Principal Investigator</i>	Hartsell HD
<i>% Effort on Grant</i>	100%
<i>% Salary Support Obtained</i>	
<i>Role/contributions (1-2 sentences)</i>	Primary investigator and author

<i>Title</i>	Effects of Dynamic Designed Custom Inserts on Foot Pressure, Balance and Gait in Subjects with a Simulated Neuropathic Ulcer
<i>Source</i>	FPTA
<i>Amt of Direct Funds</i>	\$4,000
<i>Project Period (or 'submitted')</i>	submitted
<i>Principal Investigator</i>	Ambler, S and Hartsell H
<i>% Effort on Grant</i>	50% per investigator
<i>% Salary Support Obtained</i>	
<i>Role/contributions (1-2 sentences)</i>	Co-investigators and authors

Other Scholarly Products:

Research Activity:

<i>Title</i>	Orthoses; Peripheral Neuropathy, Foot Pressures and the Reintegrated Veteran
<i>Source</i>	Veteran's Reintegration Foundation
<i>Amt of Direct Funds</i>	\$48,320
<i>Project Period (or 'submitted')</i>	Not funded
<i>Principal Investigator</i>	Hartsell HD
<i>% Effort on Grant</i>	100%
<i>% Salary Support Obtained</i>	
<i>Role/contributions (1-2 sentences)</i>	Primary investigator and author

Continuing Education Workshops Organized:

Membership in Scientific/Professional Organizations:

1975-86	Canadian Athletic Therapy Association
1976-85	Canadian Association of Sport Sciences
1977-80	Canadian Athletic Therapy Association - Education Chairperson
1978-1996	American College of Sports Medicine
1986-87	Canadian Physiotherapy Association (student member)
1987-2002	Canadian Physiotherapy Association
1988-pres	Sports Physiotherapy Division, CPA (Treasurer, 1989-91)
1990-95	Orthopaedic Physiotherapy Division, CPA (Treasurer, 1991-1995)
1996-pres	American Physical Therapy Association
1996-2004	Sports Physical Therapy Division, APTA
1996-2004	Research Physical Therapy Division, APTA
1999-2011	American Diabetic Association

Consultative and Advisory Positions Held:

Research Advisor, Department of Physical Therapy, St. Joseph's Hospital, London, Ontario
Canada, 1984-87

Community Service:

1981-83 Dance Therapist for all credit and non-credit dance programs, The
University of Western Ontario
1983 Dance Therapist for "Dance Western", The University of Western Ontario
(Review Show)
1988 Dance Therapist for "Dance Western - Five Years Later", The University
of Western Ontario (Review Show)
1990-91 Sports Therapist, Ontario Winter Games, London, Ontario
1990-91 Organising Committee for 11th Sports Physiotherapy Symposium and
Pre-Symposium Course
1990-92 Sports Therapist, Springbank Road Races, London, Ontario
1990-93 Sports Therapist, Blue Light 24-Hour Relay, London, Ontario
1991-92 Sports Therapist, Skate Canada, London, Ontario
1995 Sports Therapist, Jesus Christ Superstar Production, Faculties of
Kinesiology and Fine Arts

Services to the University/College/School on Committees/Councils/Commissions:**Professional Organizations (offices held)**

1975-86 Canadian Athletic Therapy Association
1976-85 Canadian Association of Sport Sciences
1977-80 Canadian Athletic Therapy Association - Education Chairperson
1978-pres American College of Sports Medicine
1986-87 Canadian Physiotherapy Association (student member)
1987-pres Canadian Physiotherapy Association
1988-pres Sports Physiotherapy Division, CPA (Treasurer, 1989-91)
1990-95 Orthopaedic Physiotherapy Division, CPA (Treasurer, 1991-1995)
1996-pres American Physical Therapy Association
1996-pres Sports Physical Therapy Division, APTA
1996-pres Research Physical Therapy Division, APTA
1999-pres American Diabetic Association

Editorships**Review Panels (Grants, Journals)**

1990-91 Reviewer for SPD/CPA Dr. David Magee Award (G)
1991-92 Canadian Journal of Applied Sports Sciences (G)
1991-92 Canadian Fitness and Lifestyle Research Institute (G)
1992-93 Canadian Fitness and Lifestyle Research Institute (G)
1996-97 Canadian Journal of Rehabilitation (J)
1996-2004 Journal of Orthopedic and Sports Physical Therapy (J)

Review Panels (Books)

2002 Reviewer for McGraw-Hill Publishing Company for textbook "Orthopaedic Examination,
Evaluation and Intervention" by Mark Dutton.

2011 Reviewer for FA Davis Publishing Company for textbook "Peripheral Nerve Injury: An Anatomical and Physiological Approach for Physical Therapy Intervention 1E"

Departmental, Collegiate or University Committees at USF

2009-pres	APRSC
2009-pres	Student Selection Committee
2009-pres	Ad Hoc Faculty Evaluation Committee
2010-pres	Chairperson Student Selection Committee
2010-2012	Faculty Representative to COM Faculty Council
2010-pres	Faculty Liaison Representative for COM Basic Sciences
2011-2012	Shared Student Services committee member
2011-2012	Faculty Search Committee
2012-pres	Executive Cabinet
2012-2012	Curriculum Committee
2012-pres	Allied Student Health CPH
2012-pres	COM Committee on Professionalism

Honors and Awards:

2005-08	University of Dubuque Presidential Scholarship, Dubuque, Iowa
2000-02	University of Iowa Teaching Scholars Award, University of Iowa, Iowa City, Iowa
1978-82	Province of Alberta Graduate Fellowship, University of Alberta, Alberta, Canada
1977-78	Province of Alberta Graduate Scholarship, University of Alberta, Alberta, Canada
1975	University of Western Ontario School Letter, Ontario, Canada
1971	Ontario Provincial Scholar Award, Ontario, Canada

Continuing Education Attended:

Leading the Team- A Practical Guide to Working with PTA's	APTA	Jan 27, 2012
CIECP Course	FPTA/APTA	Jan 21-22, 2012
Professionalism Module 1- Intro.	APTA	April 13, 2012
Biomechanical Factors Underlying Running Injuries	Andrews Inst	May 2, 2012
Professionalism Module- History	APTA	April 20, 2012
Ankle Ligament Injuries and Turf Toe	Andrews Inst	May 7, 2012
Knee Biomechanics and Rehab Principles	Andrews Inst	May 8, 2012
Heat Related Illness in Athletes	Andrews Inst	May 9, 2012
Hand/Wrist Injuries in Athletes	Andrews Inst	May 9, 2012
Acromioclavicular Injuries	Andrews Inst	May 10, 2012
Knee Rehab: Cartilage and Ligament	Andrews Inst	May 11, 2012
ACL Basic Science, Injury and Treatment	Andrews Inst	May 12, 2012
Head and C-Spine Injuries in the Athlete	Andrews Inst	May 14, 2012
Patellofemoral Disorders and Surgical Treatment	Andrews Inst	May 16, 2012
Brachial Plexus Injuries and Upper Extremity Nerve Entrapment	Andrews Inst	May 19, 2012
Hip and Pelvis Disorders and Hip Arthroscopy	Andrews Inst	May 19, 2012
Spinal Injuries/Controversies in the Athlete	Andrews Inst	May 20, 2012
Sideline Preparedness	Andrews Inst	May 21, 2012
Regional Anesthesia/Peripheral Nerve Blocks	Andrews Inst	May 22, 2012
Shoulder Instability	Andrews Inst	June 2, 2012
Pitfalls in Bone Tendon Bone ACL Reconstruction	Andrews Inst	June 4, 2012

Pediatric ACL and Sports Injuries	Andrews Inst	June 7, 2012
Rotator Cuff Tears: Diagnosis and Treatment	Andrews Inst	June 8, 2012
Thrower's Elbow	Andrews Inst	June 9, 2012
MRI of the Knee	Andrews Inst	June 11, 2012
Thrower's Shoulder/Overhead Athlete	Andrews Inst	June 12, 2012
Stem Cells and their Potential Use in Sports Medicine	Andrews Inst	June 14, 2012
Cartilage Structure, Injury and Repair Techniques	Andrews Inst	June 15, 2012
Prevention of Medical Errors for Physical Therapy	FPTA	May 24, 2012
Rules and Laws	FPTA	October 17, 2012

Current Teaching Responsibilities in the Entry-level Physical Therapy Program:

Fall, BMS 6640: Core Principles of Medical Science/Musculoskeletal System (116 contact hours)
 Fall, PHT 8266: Advanced Clinical Problem Solving (113 contact hours)
 Fall and Spring, PHT 7540: Patient Client Management (60 contact hours)
 PHT6284, Fall and Spring: Scientific and Professional Foundations of Physical Therapy (105 contact hours)

Proposed Teaching Responsibilities in the Proposed Entry-level Physical Therapy Program:

Fall, BMS 6640: Core Principles of Medical Science/Musculoskeletal System (116 contact hours)
 Fall, PHT 8266: Advanced Clinical Problem Solving (113 contact hours)
 Fall and Spring, PHT 7540: Patient Client Management (60 contact hours)
 PHT6284, Fall and Spring: Scientific and Professional Foundations of Physical Therapy (105 contact hours)

Course materials (syllabi, instructional web pages, computer lab materials)

"It's All On Tape," - a step-by-step approach to acute care management by the sports physical therapist

"Procedural Guidelines and Reference Manual of Musculoskeletal Assessment and Evaluation for the Physical Therapy Student."

CURRICULUM VITAE

Megan M. Heintz
700 S Harbour Island Blvd. #338
Tampa, FL 33602
(727) 543-1432
USF School of Physical Therapy & Rehabilitation Sciences
University of South Florida

Education:

Duke University, Durham, NC, 2005-2008
-Doctorate of Physical Therapy, May 2008
Eckerd College, St. Petersburg, FL, 2001-2005
-Bachelor of Science: Degree in Biology, Minor in Chemistry, May 2005

Licensure Information/Registration Number:

-FL Physical Therapy License, PT24230, August 2008-present

Certifications (eg, ABPTS):

-Certified Strength and Conditioning Specialist, April 2007-2009
-APTA Credentialed Clinical Instructor, 10/2010 - present
-CPR certification: current

Employment and Positions Held:

Physical Therapist, Instructor; University of South Florida, School of Physical Therapy & Rehabilitation Sciences, Tampa, FL, September 2008-present

Peer Reviewed Publications:

Heintz, MM, Hegedus EJ. Multimodal Management of Mechanical Neck Pain Using a Treatment Based Classification System. The Journal of Manual & Manipulative Therapy. 2008;16(4):217-224.

Published Abstracts of Peer Reviewed Presentations:

Peer Reviewed Scientific and Professional Presentations (those not previously cited above under abstracts):

Abstracts (that were not presented)

Non-Peer Reviewed Publications:

Non-Peer Reviewed Presentations:

Funded/In Review Grant Activity: include:

Other Scholarly Products:

Evidence-Based management of mechanical neck pain using a treatment-based classification system for the cervical spine: A case report, April 27th 2011, University of South Florida, College of Medicine, Orthopaedics and Sports Medicine

Barefoot and Minimalist Shoe Running Movement: Fad or Science, May 23rd 2012, University of South Florida, College of Medicine, Orthopaedics and Sports Medicine

The Role of Gait Retraining in the Running Athlete, June 13th 2012, University of South Florida, College of Medicine, Physical Therapy Grand Rounds

Research Activity:

An Electromyographic analysis of muscle activity during commonly prescribed physical therapy lower extremity strengthening exercises in subjects with and without lower extremity pain: Implications for muscle testing and rehabilitation. A collaborative EMG-motion analysis hip study in the Coach "K" Human Performance Lab at Duke Sports Medicine. March-July 2007.

Continuing Education Workshops Organized:

Membership in Scientific/Professional Organizations:

- American Physical Therapy Association
 - Orthopedic Section member, 2005-2012
 - Sports Section member, 2012-present
- National Strength and Conditioning Association, 2007-2009

Consultative and Advisory Positions Held:

Advisor to the Future Physical Therapists Organization, University of South Florida, 2009-present.

Community Service:

Volunteer, Educational presentation at a local YMCA, Tampa, FL, provided a group of local tri-athletes with information and answered questions pertaining to a variety of sports- specific inquiries such as: training, strengthening, footwear, the role of physical therapy, and injury prevention, October 6, 2010.

Volunteer, National Ability Center, Salt Lake City, UT, assisted disabled individuals participating in a multitude of sports including adapted bobsled, skiing, and sled hockey, January-March 2008.

Services to the University/College/School on
Committees/Councils/Commissions:

Member DPT Student Selection Committee, University of South Florida, School of Physical Therapy & Rehabilitation Sciences, July 2011-present.

Honors and Awards:

2008 TherEx Award for excellence in a Published Case Report; The Journal of Manual & Manipulative Therapy; February 2009.

Continuing Education Attended: list only courses taken **within the last 5 years** that are **specifically related** to responsibilities in the entry-level program.

#150 Orthopedic Certification Specialist Exam Preparatory Course, Motivations, Inc., Miramar, FL, 16 hours, 2/2/13-2/3/13.

Running Home Study Course, APTA, Sports Physical Therapy Section, August 17, 2012

APTA Manual Therapy for the Lumbopelvic Region, 0.3 continuing education units, 3 contact hours, October 27, 2011

Clinical Instruction, USF Physical Therapy Center, 1.75 continuing education hours, 5/9/11-7/29/11

APTA CI Education and Credentialing Program, 15 contact hours, October 23-24, 2010

Clinical Instruction, USF Physical Therapy Center, 3 continuing education hours, 5/10/10-6/30/10

APTA Physical Therapist Clinical Performance Instrument for Students: A Self-Guided Training Course, 0.2 continuing education units, 2 contact hours, May 18, 2010

Pharmacology Update, The Florida Physical Therapy Association in conjunction with Nova Southeastern University, 2009 Fall Webinar, November 7, 2009

Clinical Instruction, USF Physical Therapy Center, 0.65 continuing education hours, 7/28/09-8/12/09

Clinical Instruction, USF Physical Therapy Center, 1.36 continuing education hours, 3/2/09-4/24/09

Current Teaching Responsibilities in the Entry-level Physical Therapy/Physical Therapist Assistant Program, if any (in sequence by term; specify term):

- | | |
|-------------|--|
| Fall 2008 | Scientific & Professional Foundations of Physical Therapy I, PHT6284
Lab Instructor
<i>University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences</i> |
| Spring 2009 | Scientific & Professional Foundations of Physical Therapy II, PHT 7265
Lab Instructor
<i>University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences</i> |

- Spring 2009 **Clinical Problem Solving 2, PHT 7265**
 Lab Instructor
University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences
- Fall 2009 **Clinical Problem Solving I, PHT 7264**
 Lab Instructor/Instructor
University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences
- Spring 2010 **Clinical Problem Solving 2, PHT 7265**
 Lab Instructor
University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences
- Spring 2010 **Scientific & Professional Foundations of Physical Therapy II**
 Lab Instructor
University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences
- Fall 2011-
 Fall 2012 **Principles of Patient/Client Management Seminar, PHT 7540**
 Instructor, 30 contact hours
University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences
- Spring 2012 **Critical Assessment & Application of Best Evidence, PHT 6609**
 Liaison, 8 contact hours
University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences
- Fall 2012 **Critical Assessment of the Literature/EBP, PHT 6609**
 Lab Instructor, 6 contact hours
University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences
- Fall 2012-
 Spring 2013 **Doctoring for PT I, PHT 6205**
 Instructor (8 contact hours); Lab Instructor (85 contact hours)
University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences
- Principles of Patient/Client Management Seminar, PHT 7540**
 Instructor, Fall 2012 (12 contact hours), Spring 2013 (12 contact hours)
University of South Florida, College of Medicine, School of Physical Therapy and Rehabilitation Sciences

Proposed Teaching Responsibilities in the Proposed Entry-level Physical Therapy/Physical Therapist Assistant Program (in sequence by term; specify term):

CURRICULUM VITAE

M. Jason Highsmith
3515 E. Fletcher Ave. MDT 1040
Tampa, FL 33612
813-974-3806
School of Physical Therapy & Rehabilitation Sciences, University of South Florida

Education:

- 2012 **University of South Florida;** College of Medicine. Tampa, FL
Doctor of Philosophy (Ph.D.) in Medical Sciences, Clinical and Translational Research Concentration. University of South Florida, College of Medicine. Major Professors: Eric S. Bennett PhD (Chair), Bruce G. Lindsey PhD (Co-chair), Rajiv Dubey PhD, Gail A. Latlief DO, William S. Quillen PT PhD, Shirley Groer, PhD. Dissertation: Comparative Outcomes Assessment of the C-Leg and X2 Knee Prostheses. A Pilot Study.
- 2009 **University of South Florida;** College of Medicine. Tampa, FL.
Master of Science in Medical Science (M.S.M.S.) concentration in Clinical and Translational Research. NIH K30 sponsored program. Major Professors: Ken Zuckerman MD (COM), Phillip Marty PhD (COPH). Thesis Mentor: Rajiv V. Dubey, PhD. Thesis: Biomechanics of Sitting and Standing in Transfemoral Amputees using different Knee Prostheses.
- 2005 **National Commission on Orthotic & Prosthetic Education (NCOPE)** accredited 1 year residency in Prosthetics at Westcoast Brace & Limb of Tampa, FL.
Resident Research Project Title: Effects and outcomes of gait training using a "hands-free" harness and cable fall-protection system with knee disarticulation and transfemoral amputee subjects. *A pilot study.* Residency Director: Jason T. Kahle, C.P.O.
- 2004 **Northwestern University;** Feinberg School of Medicine. Chicago, IL.
Certification in Prosthetics (C.P.)
- 2003 **University of St. Augustine;** Institute of Physical Therapy. St. Augustine, FL.
Doctor of Physical Therapy (D.P.T.) Manual Therapy Track.
Capstone Project Title: Evidence Based Physical Therapy Interventions for the Lower Extremity Amputee: A Literature Review. Capstone Reviewer: Jane Day P.T., Ph.D. University of Florida. Gainesville, FL.
- 2003 **University of South Florida;** College of Medicine. Tampa, FL.
Master of Science in Physical Therapy (M.S.P.T.)
- 2000 **Ironworkers Local Union #397.** Tampa, FL.
Ironworkers Apprenticeship Training Program
Graduated 'outstanding apprentice' c/o 2000 to attain Journeyman Ironworker status. Certifications: 1.) 5G structural steel welding. 2.) MIG Welding. 3.) Oxyacetylene cutting/welding. 4.) Ropes Rappelling. 5.) OSHA Subpart R. 6.) Scaffold Erecting.
- 1997 **University of South Florida;** College of Education. Tampa, FL.
Bachelor of Science in Education (B.S.)
- 1994 **University of South Florida.** Tampa, FL.

Associate in Arts (Pre-Physical Therapy Major) (A.A.)

Licensure Information/Registration Number:

Florida Physical Therapist: PT21122
Florida Prosthetist: PRO107

Certifications (eg, ABPTS):

American Board for Certification in Orthotics, Prosthetics, & Pedorthics. Board Certified Prosthetist. Certification #: CP003467

Employment and Positions Held:

- 2012-Present **Co-Director**. Center for Neuromusculoskeletal Research. Human Functional Performance Laboratory. University of South Florida, Morsani College of Medicine, School of Physical Therapy & Rehabilitation Sciences, Tampa, FL.
- 2008-Present **Assistant Professor**. University of South Florida, Morsani College of Medicine, School of Physical Therapy & Rehabilitation Sciences, Tampa, FL.
- 2008-2012 **Research Scientist/ Physical Therapist** James A. Haley Veterans' Hospital VISN8 Patient Safety Research Center of Inquiry, Tampa, FL.
- 2005-2008 **Visiting Assistant Professor and Project Manager** for "Demonstration Project on Prosthetics and Orthotics". University of South Florida, College of Medicine, School of Physical Therapy & Rehabilitation Sciences, Tampa, FL.
- 2004-2005 **Resident Prosthetist**, Westcoast Brace & Limb, Tampa, FL.
- 2004-2005 **Physical Therapist**, Loyd Healthcare Staffing, Tampa, FL.
- 2004-Present **Distance Instructor for Prosthetics**, University of St. Augustine, Institute of Physical Therapy, St. Augustine, FL.
- 2003-2004 **Physical Therapist**, Kessler Rehabilitation, Brandon, FL.
- 1997- 2001 **Journeyman Ironworker**, Ironworkers Local Union #397, Tampa, FL.

Peer Reviewed Publications:

Miro RM, Lewandowski AL, Kahle JT, Mengelkoch LJ, Boone D, **Highsmith MJ**. Bibliometric Analysis of Articles Published from 2009 through 2011 in JPO, Journal of the American Academy of Orthotists & Prosthetists. *J Prosthet Orthot* (submitted 2012).

Highsmith MJ, Kahle JT, Quillen WS, Mengelkoch LJ. Spatiotemporal Parameters and Step Activity of a Specialized Stepping Pattern used by a Transtibial Amputee During a Denali Mountaineering Expedition. *J Prosthet Orthot*. 2012; 24(3):153-7.

Latlief G, Elnitsky C, Hart-Hughes S, Phillips SL, Adams-Koss L, Kent R, **Highsmith MJ**.

Patient Safety in the Rehabilitation of the Adult with an Amputation. *Phys Med Rehabil Clin N Am*. 2012;23(2):377-92.

Highsmith MJ, Kahle JT, Lewandowski AL, Kim SH, Mengelkoch LJ. A Method for Training Step-Over-Step Stair Descent Gait with Stance Yielding Prosthetic Knees. A Technical Note. *J Prosthet Orthot*. 2012; 24(1):10-15.

Morris ML, De Laurentis KJ, Carey SL, Sundarrao S, Dubey RV, **Highsmith MJ**, Mengelkoch LJ, McQueen ME. Dance and Engineering Link to Produce a Novel Mobility Device. *Technology and Innovation*. 2011;13:213-24.

Highsmith MJ, Kahle JT, Carey SL, Lura DJ, Dubey RV, Csavina KR, Quillen WS. Kinetic Asymmetry in Transfemoral Amputees while Performing Sit to Stand and Stand to Sit Movements. *Gait Posture*. 2011;34(1):86-91.

Hart-Hughes S, Lattief, GA, Phillips SL, Groer S, **Highsmith MJ**. A Review of Clinical Outcome Assessment Instruments for Gait, Balance and Fall Risk in Persons with Lower Extremity Amputation. *Topics in Geriatric Rehabilitation*. 2011;__():__-__. Article in Press.

Highsmith MJ, Kahle JT, Bongiorno DR, Sutton BS, Groer S, Kaufman KR. Safety, energy efficiency, and cost efficacy of the C-Leg for transfemoral amputees: A review of the literature. *Prosthet Orthot Int*. 2010; 34(4):362-377. $\ddagger=0.563$

Highsmith MJ, Kahle JT, Carey SL, Lura DJ, Dubey RV, Quillen WS. Kinetic differences using a Power Knee and C-Leg while sitting down and standing up: A Case Report. *J Prosthet Orthot*. 2010;22(4):237-243.

Chimento J, **Highsmith MJ**, Crane NB. 3D printed tooling for thermoforming of medical devices. *Rapid Prototyping Journal*. 2011;17(5):387-392. $\ddagger=0.662$

Ramirez IA, Lusk CP, Dubey RV, **Highsmith MJ**, Maitland ME. Crossed four-bar mechanism for improved prosthetic grasp. *Journal of Rehabilitation, Research and Development*. 2010;46(8):1011-1020.[†] $\ddagger=1.367$

Highsmith MJ, Schulz BW, Hart-Hughes S, Lattief GA, Phillips SL. Differences in the Spatiotemporal Parameters of Transtibial and Transfemoral Amputee Gait. *J Prosthet Orthot*. 2010;22(1):26-30.

Lemaire ED, **Highsmith MJ**, Kaphingst W. Prosthetic and Orthotic Resources for Communicating in the Global Village. *Guest Editorial. Journal of Rehabilitation, Research and Development*. 2009;46(7):xiii-xxi. $\ddagger=1.367$

Highsmith MJ, Carey SL*, Koelsch KW, Lusk CP, Maitland ME. Design and fabrication of a passive-function, cylindrical grasp terminal device. *Prosthet Orthot Int* 2009;33(4):391-8.[†] $\ddagger=0.563$

Highsmith MJ, Kahle JT, Fox JL, Shaw KL, Quillen WS, Mengelkoch LJ. Metabolic demands of rock climbing in transfemoral amputees. *Int J Sports Med*, 2009;31(1):38-43. $\ddagger=1.589$

Carey SL*, Dubey RV, Bauer GS, **Highsmith MJ**. Kinematic comparison of myoelectric and body powered prostheses while performing common activities. *Prosthet Orthot Int* 2009;33(2):115-22. $\ddagger=0.563$

Highsmith MJ, Kahle JT, Fox JL, Shaw KL. Case Report: Decreased heart rate in a geriatric client following physical therapy intervention and accommodation with the C-Leg. *J Prosthet Orthot*. 2009;21(1):43-47.

Kahle JT, **Highsmith MJ**. Barriers limiting the geriatric client from accessing orthotic care. *Topics in Geriatric Rehabilitation*. 2008;24(4):332-6.

Highsmith MJ. Barriers to the provision of prosthetic services in the geriatric population. *Topics in Geriatric Rehabilitation*. 2008;24(4):325-31.

Carey SL*, **Highsmith MJ**, Maitland ME, Dubey RV. Compensatory Movements of Transradial Prosthesis Users During Common Tasks. *Clinical Biomechanics*. 2008;23(9):1128-35. ‡=1.759

Kahle JT, **Highsmith MJ**, Hubbard S. Comparison of Non-Microprocessor Prosthetic Knee Mechanisms and the C-Leg in the PEQ, Stumbles and Falls, Walking Tests, Stair Descent, and Knee Preference. *Journal of Rehabilitation, Research and Development*. 2008;45(1):1-13. ‡=1.367

Highsmith JT, **Highsmith MJ**. Common Skin Pathologies in LE Prosthesis Users. Review Article. *The Journal of the American Academy of Physicians Assistants* 2007;20(11):33-37.

Highsmith MJ, Kahle JT, Hoover RM. Shuttle Lock Release Modification of a Trans-Tibial Prosthesis with an Obese Client: Technical Note. *Prosthet Orthot Int* 2007;31(3):287-91.† ‡=0.563

Highsmith MJ, Carey SL*, Koelsch KW, Lusk CP, Maitland ME. Kinematic Evaluation of Terminal Devices for Kayaking with Upper Extremity Amputation. *J ProsthetOrthot* 2007;19(3):84-90.†

Published Abstracts of Peer Reviewed Presentations:

Kahle JT and **Highsmith MJ**. Transfemoral Interfaces with Vacuum Assisted Suspension. Comparison of Gait, Balance, Biomechanics and Subjective Measures: Brimless versus Ischial Containment. Thranhardt Lecture. Sept 2012, AOPA (American Orthotic and Prosthetic Association), National Meeting, Boston, MA.

Kahle JT, **Highsmith MJ**. Sub-Atmospheric Transfemoral Interfaces-Comparing Ischial Containment to Brimless. Free Paper-Lower Limb Prosthetics (F67). Mar 2012, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Atlanta, GA.

Carroll MK, Toelle CA, Kim SH, Ambler SB, **Highsmith MJ**. Walkaide Efficacy on Gait & Multi-directional Stepping in a Child with Cerebral Palsy. Free Paper-Lower Limb Orthotics (F4). Mar 2012, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Atlanta, GA.

Carey SL, Lura DJ, Dubey RV, Kahle JT, **Highsmith MJ**. Kinematics of Transfemoral Amputees During the Sit to Stand Movement. Free Paper-Lower Limb Prosthetics (F10). Mar 2012, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Atlanta, GA.

Highsmith MJ, Kahle JT, Bongiorno D, Sutton B, Groer S, Kaufman K. Efficacy of the C-Leg in Safety, Bioenergetics & Healthcare Cost. Free Paper-Lower Limb Prosthetics (F18). Mar 2012, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Atlanta, GA.

Carey SL, **Highsmith MJ**, Dubey RV, Lura DJ, Wernke M. *Golf Hand Prosthesis Performance*. Free Paper/Platform Presentation. Mar 2011, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Orlando, FL.

Lura DJ, Wernke Wernke M, Saad J, **Highsmith MJ** and Carey SL. *Standing Stability in Transfemoral Amputees*. Free Paper/Platform Presentation. Mar 2011, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Orlando, FL.

Kahle JT and **Highsmith MJ**. Biomechanical Superiority of Brimless versus Ischial Ramus Containment (IRC) Sub-Atmospheric Transfemoral Interfaces. Free Paper/Platform Presentation. Mar 2011, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Orlando, FL.

Highsmith MJ, Kahle JT, Lura DJ, Carey SL, Csavina KR, Dubey RV, Quillen WS. Sitting and Standing in Transfemoral Amputees. Free Paper/Platform Presentation. Mar 2011, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Orlando, FL.

Highsmith MJ, Kahle JT, Fox JL, Shaw KL, Quillen WS, Mengelkoch LJ. Comparing the Energy Required to Climb an Indoor Rock Wall Utilizing five Different Prosthetic Configurations. Free Paper/Platform Presentation. Feb 2010, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Chicago, IL.

Highsmith MJ. Decreased Ambulatory Heart Rate in a Geriatric Client Following Accommodation with the C-Leg and Physical Therapy Intervention. Free Paper/Platform Presentation. March 2009, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Atlanta, GA.

Highsmith MJ. Kinematic Evaluation of Terminal Devices for Kayaking with Upper Extremity Amputation. Free Paper/Platform Presentation February 2008, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Orlando, FL.[†]

Mahler S*, Evans R*, **Highsmith MJ**, Lusk CP, Maitland ME, Dubey RV. Tensile and on-water testing of passive-function, cylindrical grasp terminal device for kayaking: The USF Kayak Hand. Poster Presentation February 2008, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Orlando, FL.[†]

Peer Reviewed Scientific and Professional Presentations (those not previously cited above under abstracts):

Highsmith MJ, Whisenant C and Ackley T. Upper Limb Prosthetics- A Review of the Literature. (Module 3). Invited Lecture. American Academy of Orthotists and Prosthetists (AAOP) One Day Seminar Series on Contemporary Management of the Upper Limb Prosthetic Patient. Delivered to Prosthetists and Orthotists Oct 2012. Rosemont, IL.

Highsmith MJ and Carlson M. Contemporary Principles of Dermatology in the Prosthetic & Orthotic Client: A Practitioner's Perspective. (Module 3). Invited Lecture. American Academy of Orthotists and Prosthetists (AAOP) One Day Seminar Series on Dermatology and Wound Care for Prosthetists and Orthotists. Delivered to Prosthetists and Orthotists Oct 2012. Rosemont, IL.

Highsmith MJ. Skin Tissue Mechanics. (Module 2). Invited Lecture. American Academy of Orthotists and Prosthetists (AAOP) One Day Seminar Series on Dermatology and Wound Care

for Prosthetists and Orthotists. Delivered to Prosthetists and Orthotists Oct 2012. Rosemont, IL.

Highsmith MJ. *Overview: Post-Operative Physical Therapy for the Patient with Lower Limb Amputation.* Orthotics-Prosthetics 725B: Lower and Upper Limb Orthotics and Prosthetics for Physicians and Therapists (4-day Course). Northwestern University Prosthetic-Orthotic Center. Feinberg School of Medicine. Chicago, IL. Oct 2012.

Highsmith MJ. *Normal Human Locomotion.* Orthotics-Prosthetics 725B: Lower and Upper Limb Orthotics and Prosthetics for Physicians and Therapists (4-day Course). Northwestern University Prosthetic-Orthotic Center. Feinberg School of Medicine. Chicago, IL. Oct 2012.

Highsmith MJ, Kahle JT, Sutton BS and Kaufman KR. Microprocessor Knee Symposium: A Literature Update from Three Perspectives, Safety, Energy Efficiency & Health Economy. Sept 2012, AOPA (American Orthotic and Prosthetic Association), National Meeting, Boston, MA.

Messana C, Uustal H and **Highsmith MJ.** Dermatology for Orthotists and Prosthetists. Sept 2012, AOPA (American Orthotic and Prosthetic Association), National Meeting, Boston, MA.

Highsmith MJ and Picken R. *Transtibial Prosthetic Systems, Biomechanics and Recommendations.* Orthotics-Prosthetics 725B: Lower and Upper Limb Orthotics and Prosthetics for Physicians and Therapists (4-day Course). Northwestern University Prosthetic-Orthotic Center. Feinberg School of Medicine. Chicago, IL. April 2012.

Michael JW and **Highsmith MJ.** *Transtibial Prosthetic Systems, Biomechanics and Recommendations.* Orthotics-Prosthetics 725B: Lower and Upper Limb Orthotics and Prosthetics for Physicians and Therapists (4-day Course). Northwestern University Prosthetic-Orthotic Center. Feinberg School of Medicine. Chicago, IL. April 2012.

Highsmith MJ. *Normal Human Locomotion.* Orthotics-Prosthetics 725B: Lower and Upper Limb Orthotics and Prosthetics for Physicians and Therapists (4-day Course). Northwestern University Prosthetic-Orthotic Center. Feinberg School of Medicine. Chicago, IL. April 2012.

Highsmith MJ. *Overview: Post-Operative Physical Therapy for the Patient with Lower Limb Amputation.* Orthotics-Prosthetics 725B: Lower and Upper Limb Orthotics and Prosthetics for Physicians and Therapists (4-day Course). Northwestern University Prosthetic-Orthotic Center. Feinberg School of Medicine. Chicago, IL. April 2012.

Cummings S, **Highsmith MJ,** Kahle JT, Carson R, Stevens PM, Carroll K, Gailey RS. *Interdisciplinary Management of Patients with Complex Lower Limb Amputations.* AAOP/APTA Joint Session. Organized Session (OS2). Mar 2012, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Atlanta, GA. Repeated at APTA 2012 (June), Tampa, FL.

Highsmith JT, **Highsmith MJ,** Carroll K. *Skin Issues in O&P.* Organized Session (OS6). Mar 2012, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Atlanta, GA.

Highsmith MJ. Kanas J and Kahle JT. Hands-On Outcome Measures for Amputees using the Portable Gaitrite System. New Jersey Chapter of the American Academy of Orthotists and Prosthetists. Nov 2011. Atlantic City, NJ.

Highsmith MJ. Outcome Measures for the Assessment of Amputee Gait. New Jersey Chapter of the American Academy of Orthotists and Prosthetists. Nov 2011. Atlantic City, NJ.

Highsmith MJ, Bodkin D, Noe S and Kahle JT. Rehabilitation of the Person with Multiple Limb Amputation: A Review of the Literature. (Module 3). Invited Lecture. American Academy of Orthotists and Prosthetists (AAOP) One Day Seminar Series on Prosthetic Management of Multiple Limb Deficiency. Delivered to Prosthetists and Orthotists Oct 2011. Chicago, IL.

Highsmith MJ, Kahle JT, Bongiorno DR, Sutton BS, Groer S and Kaufman KR. *Safety, Bioenergetic and Healthcare Cost Efficacy of the C-Leg Microprocessor Prosthetic Knee: A Review of the Literature*. Blatchford Lecture. Oct 2011, ISPO (International Society for Prosthetists and Orthotists- UK National Member Society), Annual Scientific Meeting, London, England.

Highsmith MJ and Nelson L. *Advanced Amputee Gait Training*. National Presentation with Accompanying Laboratory Session. Amputation System of Care (ASoC) Conference, titled 'Best Practices in Amputation Care: Implementation, Integration and Collaboration Across the System'. U.S. Department of Veterans' Affairs. July 2011. Indianapolis, IN.

Highsmith MJ. Kinesiology Principles- *An Overview with Selected Examples by Region & Function*. Basic Science Lecture for USF Orthopaedic Core Lecture Series. Delivered to USF Orthopaedic Surgical Residents March 11, 2011. Carol & Frank Morsani Center for Advanced Healthcare. Tampa, FL

Highsmith MJ, Kahle JT and Stevens PM. *Gait Outcomes for Prosthetic Patients*. Clinical Techniques Course. Mar 2011, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Orlando, FL.

Highsmith MJ. Review of the Evidence for High Activity Users (Module 8). Invited Lecture. American Academy of Orthotists and Prosthetists (AAOP) One Day Seminar Series on Prosthetic & Orthotic Management of the High Activity User. Delivered to Prosthetists and Orthotists Oct 2010. Chicago, IL. Repeated program twice at: 1) Hanger Education Fair. Reno, NV in Feb 2011 and 2) AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Chicago, IL in Mar 2011 Orlando, FL.

Mengelkoch LJ, **Highsmith MJ**, DeLaurentis K, Carey SL, Morris ML. Comparison of the metabolic demands of three mobility devices during a standardized dance activity. Abstract. Annual Conference for the Annual Meeting of the International Association of Dance, Medicine & Science (IADMS). Oct 2010. Birmingham, England.

Morris ML, DeLaurentis K, **Highsmith MJ**, Carey SL, Mengelkoch LJ. Evaluation of an assistive mobility device for dance training and performance. Abstract. Annual Conference for the Annual Meeting of the International Association of Dance, Medicine & Science (IADMS). Oct 2010. Birmingham, England.

Hart-Hughes S, **Highsmith MJ**. An Evidence-Based Guide to Quantifying Fall Risk in Persons with Lower Extremity Amputation(s). Southeastern Regional Amputation Conference. Department of Veterans' Affairs (VISN 8) Employee Education System. Sept 2010. Tampa, FL.

Highsmith MJ, Hart-Hughes S. Outcome Measures for Assessment of Gait & Balance. Clinical Laboratory Skills Session-Internal National VA Practitioner Education. VA Amputation Skills Conference. Department of Veterans' Affairs Employee Education System. June 2010. Tampa, FL.

Highsmith MJ, Kahle JT, Fox JL, Shaw KL, Quillen WS, Mengelkoch LJ. Transfemoral Rock Climbing. Podium Presentation. Louisiana Academy of Orthotists and Prosthetists. May 2010. Lafayette, LA.

Highsmith MJ, Schulz BW, Hart-Hughes S, Latlief GA, Phillips SL. Temporospacial Gait Parameters. Podium Presentation. Louisiana Academy of Orthotists and Prosthetists. May 2010. Lafayette, LA.

Schulz BW, Hart-Hughes S, Latlief GA, Phillips SL, **Highsmith MJ**. Asymmetries in Spatiotemporal Gait Parameters of Transtibial and Transfemoral Amputees. Poster Presentation. 3rd International Congress of Gait and Mental Function (GAIT2010). Washington, D.C., Feb 2010.

Highsmith MJ. Gaitrite System and Other Methods to Develop Outcome Measures for Amputee Clinics. Amputation System of Care: Teams, Treatment and Technology Conference. U.S. Department of Veterans' Affairs. June 2009. Seattle, WA.

Highsmith MJ. How to use Gait Analysis Clinically. Amputation System of Care: Teams, Treatment and Technology Conference. U.S. Department of Veterans' Affairs. June 2009. Seattle, WA.

Highsmith MJ. Fall Risk Associated with Lower Limb Amputees. 10th Annual Conference: "Transforming Fall Management Prevention Practices. Platform Presentation. May 2009, University of South Florida and James A. Haley Veterans' Hospital VISN 8 Patient Safety Center of Inquiry. Clearwater, FL.

Highsmith MJ. Quality of Life & Other Outcomes. Symposium: Microprocessor Prosthetic Knees: The Changing Face of Research. Platform Presentation. March 2009, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Atlanta, GA.

Highsmith MJ, Mengelkoch LJ, Kahle JT, Fox JL, Shaw KL, Quillen WS. Metabolic Demands of Rock Climbing in Unilateral Transfemoral Amputees. Poster Presentation. University of South Florida, USF Health Research Day. Feb 2009. Tampa, FL.

Highsmith MJ. Physical Therapy Intervention Suggestions for the Client with Hip Disarticulation. Hanger Education Fair. Reno, NV. Feb 2009.

Highsmith MJ. Two invited lectures: 1)Normal Transtibial Gait. and 2)Abnormal Transtibial Gait. Delivered as part of the Fellowship Certificate Program of the American Academy of Orthotists and Prosthetists. Hanger Education Fair. Reno, NV. Feb 2009.

Highsmith MJ, Kahle JT, Lura DJ*, Carey SL*, Dubey RV, Quillen WS. Kinetic Evaluation of Powered versus Non-Powered Prosthetic Knee Mechanisms. Abstract and Poster Presentation. Clinical Translational Science Awards (CTSA) KL2, K12 and K30 Clinical Research Scholars and Association for Clinical Research Training (ACRT). Washington, D.C. 2008 National Annual Meeting.

Carey SL*, **Highsmith MJ**, Dubey R. Motion Analysis of Transradial Prosthesis while Lifting a Box for Development of a Biomechanical Model. Abstract. American Society of Mechanical Engineers (ASME) Summer Bioengineering Conference. Marco Island, FL. June 2008.

Highsmith MJ, Kahle JT. Comparison of C-Leg microprocessor knee with non-microprocessor knees on walking tests, stair descent, questionnaire, preference, stumbles and falls. Poster Presentation. University of South Florida, USF Health Research Day. Feb 2008. Tampa, FL.

Highsmith MJ. Kinematic Analysis of Functional and Recreational Activities with the Upper Extremity Amputee. Podium Presentation. Louisiana Academy of Orthotists and Prosthetists. July 2007. Shreveport, LA.

Carey SL*, **Highsmith MJ**, Dubey R. Compensatory Motion During a Bilateral Lifting Task for Transradial Prosthetic Design. Abstract. American Society of Mechanical Engineers (ASME) Summer Bioengineering Conference. Keystone, CO. June 2007.

Maitland ME, **Highsmith MJ**, Carey SL*, Koelsch K, Lusk C. A Simple Artificial Hand for Cylindrical Grip: The USF Kayak Hand. Abstract. WCPT (World Confederation for Physical Therapy), 15th International Conference "World Physical Therapy 2007". Vancouver, Canada. June 2007.[†]

Maitland ME, Lusk CP, **Highsmith MJ**, Carey SL*. A non-anatomical grasp mechanism for artificial hands. Abstract. 12th World Congress of the International Society for Prosthetics and Orthotics. Vancouver, Canada, July 29 –August 3, 2007.^{†,‡}

Carey SL*, Dubey R, **Highsmith MJ**, Maitland ME. Effects of Mass on Upper Limb Joint Angles for Prosthetic Design: A Pilot Study. Poster Presentation October 2006, BMES (Biomedical Engineering Society), Annual Meeting, Northwestern University, Chicago, IL.

Highsmith MJ. Effects of Ambulation in a Fall Protection Harness System with Transfemoral and Knee Disarticulation Subjects. *A Pilot Study*. Poster Presentation March 2006, AAOP (American Academy of Orthotists and Prosthetists), National Meeting, Chicago, IL.[†]

Highsmith MJ. C-Leg Comparison. Podium Research Presentation. Louisiana Academy of Orthotists and Prosthetists. June 2006. Kenner, LA.

Non-Peer Reviewed Publications (Editor Reviewed):

Highsmith MJ, Kahle JT. Taking Prosthetic Research to the Next Level. *The O&P Edge*. Mar 2012: 74-78.

Highsmith MJ, Highsmith JT, Kahle JT. Identifying and Managing Skin Issues with Lower-Limb Prosthetic Use. *In Motion*. Jan/Feb 2011;21(1): 41-43.

Kahle JT, **Highsmith MJ**. How to be a Good Patient. *In Motion*. July/Aug 2010;20(4): 18-19.

Kahle JT, **Highsmith MJ**. Evidence Based Practice for the Individual with Amputation. *In Motion*. Sep/Oct 2009;19(5): 29-26.

Highsmith MJ, Kahle JT. Getting the Most out of Physical Therapy. *In Motion*. Sep/Oct 2008;18(6): 30-34.

Kahle JT, **Highsmith MJ**. The Implications of Amputees Being Overweight. *In Motion*. Mar/Apr 2008;18(2): 40-43.

Kahle JT, **Highsmith MJ**. Getting the Most out of Your Prosthesis. *In Motion*. Jul/Aug 2007;17(4): 27-29.

Kahle JT, **Highsmith MJ**. When a Prosthesis or Mobility Device isn't Enough, Part II. *In Motion*. Jan/Feb 2007; 17(1):48-55.

Kahle JT, **Highsmith MJ**. When a Prosthesis or Mobility Device isn't Enough. *In Motion*. May/June 2006; 16(3):18-24.

Highsmith MJ, Kahle JT. A Perfect Fit. *Advanced for Directors of Rehabilitation*. Mar 2006; 15(3):33-4.

Highsmith MJ, Kahle JT. Prosthetic Socks- Simple, Relatively Inexpensive, Critically Important. Is there really that much to know about socks? *In Motion*. Mar/Apr 2006; 16(2):26-8.

Kahle JT, **Highsmith MJ**. Preventing Socket Replacement *In Motion*. May/Jun 2003; 13:66-7.

Funded/In Review Grant Activity:

Highsmith MJ (PI), Kahle JT (Co-PI), Orriola J (Co-I), Miro RM (Research Coordinator), Sutton B (Co-I), Groer S (Co-I), Lewandowsky AL (Co-I), Ertl JP (Co-I). *Prosthetic Management Following Amputation. A Systematic Review to Establish Assessment and Treatment Pathways*. American Orthotic and Prosthetic Association (AOPA). RFP#: 111012. \$50,000. Project Period: 02/01/2013-04/01/2014.

Dubey RV (PI), Quillen WS (Co-PI), Alqusami R (Co-I), Carey SL (Co-I), Kim SH (Co-I), Reed KB (Co-I), **Highsmith MJ** (Co-I). *MRI: Acquisition of a CAREN Virtual Reality System for Collaborative Research in Assistive and Rehabilitation Technologies*. National Science Foundation. Equipment Grant. \$450,000. July 2012.

Dubey RV (PI), Carey SL (Co-PI), **Highsmith MJ** (Co-I). *Development of Simulation Tool for Upper Extremity Prostheses*. Department of Defense (DOD) U.S. Army Medical Research and Material Command. \$700,000. 10% effort. 9/16/10 - 09/15/12. USF Project #2105106300. Award #W81XWH-10-1-0601

Highsmith MJ (PI), Kahle JT (Co-PI). *Biomechanical Superiority of Brimless Versus Ischial Ramus Containment (IRC) Sub-Atmospheric Transfemoral Interfaces*. Southern Bone & Joint Specialists. \$33,992. 3.4% effort. Award # 6140101600.

Highsmith MJ (PI), Kahle JT (Co-PI). *Biomechanical Superiority of Brimless Versus Ischial Ramus Containment (IRC) Sub-Atmospheric Transfemoral Interfaces*. USF Connect- Florida High-Tech Corridor. Industry Seed Grant. \$33,992. 3.4% effort. Award # FHT 11-28.

Quillen WS (PI), **Highsmith MJ** (Co-PI), Kim SK (Co-I), Mengelkoch LJ (Co-I). *Metabolic and Biomechanical Measures of Gait Efficiency of Three Multi-Axial, Vertical Shock and Energy Storing-Return Prosthetic Feet During Simple & Complex Mobility Activities*. Department of Defense (DOD) Congressionally Directed Medical Research Programs (CDMRP). \$714,744. 20% effort. Award # W81XWH-112-0170.

Highsmith MJ (PI), Kahle, JT (Co-PI), Mengelkoch LJ (Co-I), Carey SL (Co-I), Fitzgerald SG (Co-I). *Comparative Outcomes Assessment of the C-Leg and X2 Knee Prosthesis: A Pilot Study*. USF Connect- Florida High-Tech Corridor. Industry Seed Grant. \$105,000. 10% effort.

Award # FHT 10-26.

Highsmith MJ (PI), Kahle, JT (Co-PI), Mengelkoch LJ (Co-I), Carey SL (Co-I), Fitzgerald SG (Co-I). *Comparative Outcomes Assessment of the C-Leg and X2 Knee Prosthesis: A Pilot Study*. Otto Bock Healthcare. \$210,000. 30% effort. Award # 6140101200.

Mengelkoch LJ (PI), **Highsmith MJ (Co-PI)**, Kahle JT (Co-I), Nielsen DH (Consult). *Metabolic Analysis of Energy Storing Prosthetic Feet, During Walking and Running: A Comparison of Endurance Runners with Unilateral Transtibial Amputation, Transfemoral Amputation, and Matched Non-Amputees*. Signature Interdisciplinary Program in Cardiovascular Research-University of South Florida, Intramural Grant. 03/2009. Funded at \$10,000. 10% Effort. Award # 10009-614101.

Highsmith MJ (PI), Hart-Hughes S (Co-PI), Latlief GA (Co-I), Switzer JD (Co-I), Fitzgerald SP (Co-I). *Quantifying and Defining Conventional Physical Therapy Interventions for the Veteran with Amputation. A Retrospective Chart Review*. 2/2009-2/2010. Veterans' Healthcare Administration- James A. Haley VA. Patient Safety Center of Inquiry-REAP (Internal Funding). \$7,000. 20% effort.

Highsmith MJ (PI), Hart-Hughes S (Co-PI), Latlief GA, Switzer JD. *Fall Prevention Education Amputee Tool*. Veterans' Healthcare Administration QUERI. 10/2008-10/2009. In Progress Funding at \$15,000. 5% effort.

Schulz BW (PI), Hart-Hughes S, Latlief GA, **Highsmith MJ (Co-I)**. *Gait & balance deficits of polytrauma in transtibial & transfemoral amputees*. Veterans' Healthcare Administration QUERI. In Progress Funding at \$23,000. 02/2008-10/2009. 5% effort.

Highsmith MJ (PI), Lusk CP (Co-PI), Carey SL * (Co-I), Kahle JT (Co-I), Maitland ME (Co-I). *Kinetic and Kinematic comparison of power assisted versus stance control artificial knees during sit to stand and stand to sit transfers for above knee amputees*. Corporate Travel Grant from Ossur Prosthetics. 07/2006-07/2007. In Progress Funding at \$5,000. 100% effort.

Highsmith MJ (PI), Maitland ME (Co-PI), Carey SL* (Co-I). *Design, Fabrication and Evaluation of a Terminal Device for Kayaking*. Florida Physical Therapy Association (FPTA), Linda Crane Research Grant. 06/2006-06/2007. Funded at \$4,000[†]. 100% Effort.

Quillen WS (PI), Dubey RV (Co-PI), **Highsmith MJ (Project Mgr)**. *Demonstration Project in Prosthetics and Orthotics*. Project#6140100000, Award#H235J050020. United States Department of Education, Rehabilitation Services Administration (USDOE/RSA). 07/05-07/08. Funded at \$992,000. 100% Effort.

Pending

Highsmith MJ (PI), Kahle JT (Co-PI), Miro RM (Research Coordinator). *Functional Performance of Limb Salvage versus Amputation: Physical Ability to Return to the Military Occupational Specialty*. Department of Defense. Solicitation number: W81XWH-12-PRORP-CTA. Proposal number: OR120212. Project Period: 07/01/2013-06/30/2017.

Highsmith MJ (PI), Kahle JT (Co-PI), Miro RM (Research Coordinator). *The Effect of Prosthetic Socket Interface Design on Perspiration and Residual Limb Skin Condition for the Transfemoral Amputee*. Department of Defense. Solicitation number: W81XWH-12-PRORP-CTA. Proposal number: OR120063. Project period: 07/01/2013-06/30/2015.

Highsmith MJ (PI), Kahle JT (Co-PI), Miro RM (Research Coordinator). *The Comparative Effectiveness of the Subatmospheric Prosthetic Socket Interface in Acute Amputation*. . Department of Defense. Solicitation number: W81XWH-12-PRORP-CTA. Proposal number: OR120214. Project period: 07/01/2013-06/30/2017.

Highsmith MJ (PI), Kahle JT (Co-PI), Kim S (Co-I), Miro RM (Co-I), Lura DJ (Co-I). *A Comparison of Carbon Fiber Mechanical versus Microprocessor Controlled Foot-Ankle Systems in Measures of Function, Safety, and Preference*. Endolite/Blatchford. Project period: 02/01/2013-01/30/2014.

Highsmith MJ (PI), Lura DJ (Co-PI), Wernke M (Co-I), Carey SL (Co-I), Miro RM (Co-I), Kahle JT (Co-I). *Functional Comparison of Voluntary Opening versus Voluntary Closing Body-Powered Terminal Devices in Transradial Amputees*. TRS. Project period: 02/01/2013-01/30/2014.

Other Scholarly Products:

Website:

University of South Florida, School of Physical Therapy & Rehabilitation Sciences, "Demonstration Project on Prosthetics and Orthotics" Website. Site co-developed with Quillen WS, Ippolito C, Pringle S, Regonini M. Website hosts free educational modules and patient pamphlets on orthotic and prosthetic topics (Highsmith MJ module contributions listed below) in addition to text and other web resources. URL is: oandp.health.usf.edu

Educational Modules:

Dermatology II. Prosthetic & Anatomic Considerations influencing dermatopathology in the client with amputation

Module II of II. Highsmith JT, Highsmith MJ, Shenefelt PD.

Dermatology I. Prosthetic & Anatomic Considerations influencing dermatopathology in the client with amputation

Module I of II. Highsmith MJ, Highsmith JT, Kahle JT.

Prosthetic Socks. Highsmith MJ.

Prosthetic Feet. Highsmith MJ.

Prosthetic Knees. Classification and Overview. Highsmith MJ, Kahle JT.

Socket Theory: Transtibial 1- Patella Tendon Bearing Socket Theory. Highsmith MJ, Kahle JT.

A Primer on Ace-Wrapping and Other Compressive and Protective Dressings for the Amputated Residual Limb. Highsmith MJ.

Gait: Transtibial Amputee. Highsmith MJ.

Epidemiology and Statistics: Associated with Limb Loss and Deficiency. Highsmith MJ.

Orthotic Overview. Kahle JT. Bauer GS. Highsmith MJ.

Patient Pamphlets:

Transtibial Prosthetics. A Patient Care Manual for the New Amputee. Mountain A, Lemonis C, Highsmith MJ, Phillips SP, Sanford S.

Transfemoral Prosthetics. A Patient Care Manual for the New Amputee. Mountain A, Lemonis C, Highsmith MJ, Phillips SP, Sanford S.

Ankle Foot Orthosis Guide. Phillips SP, Sanford S, Highsmith MJ.

Continuing Education Workshops Organized:

Highsmith MJ and Kahle JT. Current Topics in Prosthetic Research. CE Broker Tracking # 20-362816. 3.0 PT CEU's. Sponsored by Integrity Prosthetics and Orthotics and USF SPTRS.

Delivered to Physical Therapists Aug 7, 2012, Lakeland, FL.

Highsmith MJ and Kahle JT. Determining Functional Level for the Lower Extremity Amputee. CE Broker Tracking # 20-360463. 3.0 PT CEU's. Sponsored by Integrity Prosthetics and Orthotics and USF SPTRS. Delivered to Physical Therapists Jul 12, 2012, Lakeland, FL.

Highsmith MJ and Kahle JT. Lower Extremity Prosthetic Experience. CE Broker Tracking # 20-333836. 3.0 PT CEU's. Sponsored by Integrity Prosthetics and Orthotics and USF SPTRS. Delivered to Physical Therapists Nov 15, 2011, Lakeland, FL.

Highsmith MJ and Kahle JT. *Current Concepts in Evaluating and Improving Amputee Gait-Part 2*. 3.0 PT CEU's. CE Broker Tracking # 20-330019. FPTA Course # CP110817432/3. Delivered to Physical Therapists 1) Tampa, FL @ West Central District Meeting of the FPTA Aug 2011 and 2) Lakeland, FL Sept 2011.

Kahle JT and **Highsmith MJ**. Current Topics in Prosthetic Research. CE Broker Tracking # 20-316765. 2.0 PT CEU's. Sponsored by Integrity Prosthetics and Orthotics and USF SPTRS. Delivered to Physical Therapists May 2011, Lakeland, FL.

Highsmith MJ. Current Concepts in Evaluating and Improving Amputee Gait. Part 1. CE Broker Tracking # 20-287798. 3.0 PT CEU's. Sponsored by Integrity Prosthetics and Orthotics, Select Physical Therapy and USF SPTRS. Delivered to Physical Therapists Oct 2010, Lakeland, FL.

Highsmith MJ. C-Leg Benefits and Recent Research. FPTA course #CP90013929. 2.0 PT CEU's. Funded by Westcoast Brace & Limb. Delivered to Physical Therapists May 2009, Tampa, FL.

Highsmith MJ. Basic Gait Training with the Transfemoral Amputee. FPTA course #CP71011387. 1 PT CEU. Funded by Westcoast Brace & Limb. Delivered to Physical Therapists Oct 2007, Tampa, FL.

Kahle JT, **Highsmith MJ**. The Prosthetic Experience. FPTA course #CE70210834. 3 PT CEU's. Funded by Westcoast Brace & Limb. Delivered to Physical Therapists Feb 2007, Tampa, FL.

Highsmith MJ, Kahle JT. Lower Extremity Prosthetics: Basic & Intermediate Overview. FPTA course # CE5109249. 2.5 PT CEU's. Funded by Westcoast Brace & Limb. Delivered to Physical Therapists Nov 2005, Tampa, FL.

Kahle JT, **Highsmith MJ**. Comparative Analysis of Microprocessor and Mechanically Controlled Prosthetic Knee Joints: Patient Performance and Outcomes. FPTA course # CE5048931. 2.5 PT CEU's. Funded by Westcoast Brace & Limb. Delivered to Physical Therapists Aug 2005, Tampa, FL.

Membership in Scientific/Professional Organizations: include positions held

2012

Panelist: State of the Science Conference #11: Microprocessor Prosthetic Knees. American Academy of Orthotists and Prosthetists. Rosemont, IL. Nov 2,3 2012.

2012- Present

Member (2yr appt.) U.S. Army Medical Research and Material Command (USAMRMC), Clinical and Rehabilitative Medicine Research Program (CRM RP),

Rehabilitation of Neuromusculoskeletal Injury, Scientific Steering Committee.
Command: LTC David Wright. Portfolio Mgr: Dr. Brian Baum, PhD

- 2012- Present Member- Florida Chapter of the American Academy of Orthotists and Prosthetists (FCAAOP).
- 2010- Present Member- Board of Directors (since July 2010) American Academy of Orthotists and Prosthetists (AAOP). Member Executive Committee (Treasurer since July 2012).
- 2009- Present Veterans' Affairs and Department of Defense Prosthetics and Orthotics State of the Art (SOTA) Conference Planning Committee. U.S. Department of Veterans' Affairs and U.S. Department of Defense. Washington, DC.
- 2007- 2009 Amputee Toolkit Committee. James A. Haley Veteran's Hospital VISN8 Patient Safety Research Center. Committee Chair: Audrey Nelson, RN, PhD, FAAN
- 2005- 2008 Dissertation Committee for Stephanie Carey. University of South Florida. College of Engineering, Mechanical Engineering Department. Dissertation title: "Compensatory Body Motions Influenced by Transradial Prosthetic Design". Other committee members: R. Dubey, C. Lusk, M. Maitland. Fall 2005-2008.
- 2004- Present Fellow Member (since Apr 2007) American Academy of Orthotists and Prosthetists (AAOP).
- 2006- Present Standards & Protocols Committee (AAOP). Chair ('08, '09). Vice Chair Research Council (2012-Present). Secondary Knowledge Committee Chair (2012-Present)
- 2000- Present American Physical Therapy Association (APTA)
- 2000- Present Florida Physical Therapy Association (FPTA)
- 1997- 2005 International Association of Bridge, Structural, Ornamental and Reinforcing Ironworkers
- 1997- Present University of South Florida Alumni Association

Community Service:

- Nov 2010-12 Camp No Limits. Kahle JT, Highsmith MJ and Quillen WS. Team building and activity participation day for children living with limb loss including siblings and parents. Approximately 30 campers and 40 parents/siblings attended. Twenty DPT students assisted. November 6, 2010. Sand Key Park, Clearwater, FL. <http://hscweb3.hsc.usf.edu/health/now/?p=15506>
- Aug 2010 Health Maintenance for Individuals Living with Limb Loss. Invited Presentation at the 2010 National Conference of the Amputee Coalition of America. Also assisted in the Amputee Gait Clinic, supervising PT students, assessing and discussing tips to improve gait of clients with amputation. Aug 26, 2010. Irvine, CA.
- Mar 2007-12 Health Pre-Professions Organization (HPPO) at Hillsborough Community College (HCC). Advisor, Consultant, Speaker for Physical Therapy,

- Prosthetics and Orthotics. Founder and Senior Advisor is Professor Elizabeth McCullough, MS.
- June 2009 Amputee Coalition of America. National Conference. Myers DD, Highsmith MJ. Building Your Body as an Instrument of Change. A two-part workshop for leading your life from the inside out. Health Maintenance Presentation.
- Mar 2009 Amputees Together (support group). Presented strategies to minimize falls and simple home exercises to stay fit.
- July 2007 2nd Annual O&P Extremity Games. University of South Florida representative, kayak event judge and Medical and PT student supervisor. Event hosted by College Park Industries. Held in Orlando, FL. Articles in *PT Magazine*. Nov 2007 and online at <http://hscweb3.hsc.usf.edu/health/now/?p=203> Aug 2007.
- June 2007 Amputee Coalition of America. National Conference. Gait analysis physical therapy clinician volunteer. 2 day clinic supervised by Robert S. Gailey, PT, PhD to analyze gait of LE amputees and offer suggestions based on observational analysis. Atlanta, GA.
- Jan 2007 Amputees Together (support group). Presented with colleague Maureen Dunleavy-Daly, PT, DPT to amputees about typical timelines of rehabilitative/prosthetic milestones and the benefits of physical therapy in recovery and healing.
- July 2006 O&P Extremity Games. University of South Florida representative, Rock Climbing event judge and graduate PT student supervisor. Event hosted by College Park Industries. Held in Orlando, FL. Articles in *PT Magazine*. Sept 2006; 14(9):60 and *The FPTA Update* Sept 2006.
- Jan 2004- Present APTA group leader for "Hooked on Evidence" professional research initiative. Topic is PT intervention for patients with LE amputation. Five articles reviewed to date.
- July 2002 Pro Bono Project- Organized and delivered general health information and free clinic information to homeless persons of St. Petersburg, FL.
- March 2002 PIPSA/AHEC- Eisenhower Middle School- instructor for student tobacco addiction prevention program.

Services to the University/College/School on
Committees/Councils/Commissions:

2008- 2010 University of South Florida. College of Medicine. Committee on Pharmacy, Device & Industry Support Policy.

University of South Florida. School of Physical Therapy & Rehabilitation Sciences (SPTRS).

1. 2011-Present Faculty Council Representative for SPTRS
2. 2010 Task Force to Improve Faculty-Student Interactions (Chair)

3. 2007, 2013 Annual Promotion & Tenure Document Review Committee
4. 2006-'08, 2013 Student Admissions/Selection Committee.
5. 2006-'08 Academic Faculty Search Committee. Chair ('08-'12).
6. 2006-'08 College of Medicine Academic Performance Review Sub-Committee

Honors and Awards:

- 2012 Thranhardt Lecture Award. American Orthotic & Prosthetic Association. Boston, MA.
- 2012 Margaret L. Moore Award for Outstanding New Academic Faculty. American Physical Therapy Association.
- 2012 Student Choice Award. From the School of Physical Therapy & Rehabilitation Sciences' Graduating Class of 2012. University of South Florida. Morsani College of Medicine.
- 2012 Famous Alumni Award. University of St. Augustine for Health Sciences. Institute of Physical Therapy. Distance Education and Training Council (DETC).
- 2011 Blatchford Lecturer at the 2011 Annual Scientific Meeting of the International Society of Prosthetists & Orthotists (ISPO). Hammersmith, London.
- 2011 Nominee- USF Office in Research & Innovation, Excellence in Innovation Award.
- 2011 Nominee- Margaret L. Moore Award for Outstanding New Academic Faculty. American Physical Therapy Association.
- 2010 Member- *Academy of Inventors*. University of South Florida, Office of Research and Innovation. For Patent: Maitland ME, **Highsmith MJ**, Lusk CP. Conforming Artificial Finger Mechanism. U.S. Patent # 7,614,673 B2. Issued: 10 Nov 2009.
- 2009 Dean's Academic Performance Award 2008/2009. University of South Florida. College of Medicine.
- 2009 Invited attendee to 7th Annual "Enhancing Rehabilitation Research in the South" (ERRIS) Intensive NIH Grant Preparation Workshop. Sponsored by Grant# 1T15HD050255-03A1 from NIH-NICHD-NCMRR. Charlottesville, VA.
- 2008 Outstanding Interdisciplinary Poster Award: "Comparison of C-Leg microprocessor knee with non-microprocessor knees on walking tests, stair descent, questionnaire, preference, stumbles and falls". Research Day (Feb) 2008. University of South Florida. College of Medicine.
- 2008 Burroughs Welcome Fund Travel Awardee. \$500 Travel Award to attend: Clinical Translational Science Awards (CTSA) KL2, K12 and K30 Clinical Research Scholars and Association for Clinical Research Training (ACRT). Washington, D.C. 2008 National Annual Meeting.
- 2007 Silver Performance Award for Outstanding Contributions 2006/2007. University of South Florida. College of Medicine.

Continuing Education Attended: list only courses taken **within the last 5 years** that are **specifically related** to responsibilities in the entry-level program.

- 2nd Annual Symposium on Regenerative Rehabilitation. University of Pittsburgh. Nov, 2012. Pittsburgh, PA.
- AAOP. Contemporary Management of the Upper Limb Prosthetic Patient. Oct 2012. Rosemont, IL.
- AAOP. Dermatology and Wound Care for Prosthetists and Orthotists. Oct 2012. Rosemont, IL.
- AOPA. Sept 2012 National Assembly. Boston, MA
- APTA. PT 2012. Tampa, FL
- US SOCOM Care Coalition. SOF Wounded Warrior, Advocacy and Referral Conference. 2012. Macdill AFB. Tampa, FL.
- AAOP. Scientific Symposium/National Mtg. 2012. Atlanta, GA.
- New Jersey Chapter of the AAOP Annual Mtg. Nov 2011. Atlantic City, NJ.
- ISPO. Annual Scientific Mtg. 2011. London, England.
- Neurocom: Assessment of Balance & Sensory Integration. USF. 2011. Tampa, FL.
- Amputation System of Care (ASoC) Conference: Best Practices in Amputation Care: Implementation, Integration and Collaboration Across the System. July 2011. U.S. Department of Veterans' Affairs. Indianapolis, IN.
- FPTA. West Central District Mtg. 2011. Tampa, FL
- FPTA. Spring Conference. 2011. Orlando, FL.
- AAOP. Scientific Symposium/National Mtg. 2011. Orlando, FL. (Free Paper Session Moderator).
- Hanger Prosthetics and Orthotics Education Fair. 2011. Reno, NV.
- AAOP. Prosthetic & Orthotic Management of the High Activity User. Oct 2010. Chicago, IL.
- VISN8 VA EES. Southeastern Regional Amputation Conference. Sept 2010. Tampa, FL.
- VA-DOD State of the Art (SOTA) Prosthetics & Orthotics Conference. Jan 2010. Washington DC. (Rehab Work Group Session Recorder)
- AAOP. Scientific Symposium/National Mtg. 2010. Chicago, IL. (Free Paper Session Moderator).
- Life Measurement, Inc- BODPOD course. Body composition assessment course. July 2009. Tampa, FL.
- Amputee Sport and Fitness Clinic. July 2009. Ossur Prosthetics. Tampa, FL.
- Amputation System of Care (ASoC) Conference: Teams, Treatment and Technology Conference. June 2009. U.S. Department of Veterans' Affairs. Seattle, WA.
- Veterans' Affairs and Department of Defense Prosthetics and Orthotics State of the Art (SOTA) Conference Planning Committee. June 2009. U.S. Department of Veterans' Affairs and U.S. Department of Defense. Washington, D.C.
- 10th Annual Conference: "Transforming Fall Management Prevention Practices. Platform Presentation. May 2009, USF and James A. Haley VA Hospital VISN 8 Patient Safety Center of Inquiry. Clearwater, FL.
- AAOP. Scientific Symposium/National Mtg. 2009. Atlanta, GA.

Current Teaching Responsibilities in the Entry-level Physical Therapy/Physical Therapist Assistant Program, if any (in sequence by term; specify term):

USF School of Physical Therapy & Rehabilitation Sciences:

PHT 7264 Clinical Problem Solving 1. Primary CI: J. Stephenson. Guest Lecturer: "LE Orthoses for the Neurologically Involved Client"-2hrs. MJ Highsmith. DPT pgm. Fall 2011.

- PHT 6178 Movement Science 2. Primary CI: MJ Highsmith (Tissue Biomechanics & Regional Kinesiology). Guest Lecturers: SH Kim & JB Stephenson (Motor Control/Learning) and LJ Mengelkoch (Exercise Physiology). Spring 2010-Current.
- PHT 8179 Movement Science 3. Primary CI: MJ Highsmith (Regional, Gait & Functional Biomechanics). Lab Asst: SL Carey. Fall 2008-Current.
- PHT 8702 Advanced Prosthetics and Orthotics. Primary CI: MJ Highsmith. Lab Asst: JT Kahle. Fall 2007, Spring 2008, Fall 2010-Current.
- PHT 8266 Clinical Problem Solving 3. Primary CI: D Newman. TA for Prosthetic Unit: MJ Highsmith. Fall 2007, Fall 2008, '09.
- PHT 7151 Health Promotion and Wellness. Primary CI: K Shaw. Asst CI: MJ Highsmith. (Preparation of DPT as Primary Care providers in Direct Access environment. Screening of at risk populations, individuals and health program development). DPT pgm. Spring 2007.
- PHT 6284 Scientific and Professional Foundations of Physical Therapy 1. (Overview of PT interventions: Gait, Transfers and O&P). Primary CI: K. Shaw. Guest Lecturer (Prosthetics Unit) & TA (Modalities): MJ Highsmith. Fall 2006, '07, '08.
- PHT 6174 Movement Science I. Primary CI: MJ Highsmith & J. Stephenson. (Introductory Kinesiology, Biomechanics, Neurology, Gait, Exercise Physiology). DPT pgm. Fall 2006, '07-Current.
- PHT 6285 Scientific & Professional Foundations of Physical Therapy 2. (Physical Therapy Test & Measurement Techniques). Primary CI: J. Stephenson. Guest Lecturer: MJ Highsmith. DPT pgm. Spring 2006-2008.
- PHT 8724 Anatomical Basis of Physical Therapy and Rehabilitation (Elective). CI: O. Arslan. Co-I: D. Cameron. Course Liasons: MJ Highsmith and JC Garrison. Fall 2007.
- BMS 6830 Physical Diagnosis. Primary CI: R. Schrot. Lab Asst & Group Preceptor: MJ Highsmith. DPT & MD pgm. Fall 2008-2010
- BMS 6100 Gross Human Anatomy. Primary CI: O. Arslan. Course Liason & Guest Lecturer: MJ Highsmith. B2 Block/Fall/Spring 2006-'08.
- BMS 6500 Physiology. Primary CI: S Nazian, X Tigno. Case Preceptor: MJ Highsmith. DPT & MD pgm. Spring/Fall 2006-2009.
- PHT 6735 Physical Therapy Science IV. Primary CI: J Stephenson. (Interventions for the complex patient). MSPT pgm. Fall 2006.

Proposed Teaching Responsibilities in the Proposed Entry-level Physical Therapy/Physical Therapist Assistant Program (in sequence by term; specify term):

Not Discussed Presently.

CURRICULUM VITAE

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Education

03/1989 – 02/1995 B.S., Physical Therapy, Daegu University, Daegu, Korea
01/1997 – 12/1998 Liberal Arts, Johnson County Community College, Overland Park, KS
01/1999 – 12/2001 M.S., Physical Therapy, University of Kansas Medical Center, Kansas City, KS
01/2001 – 12/2005 Ph.D., Rehabilitation Science, University of Kansas Medical Center, Kansas City, KS
01/2006 – 11/2006 Post-doctoral Fellow, University of Kansas Medical Center, Kansas City, KS
12/2006 – 07/2009 Post-doctoral Researcher, University of Delaware, Newark, DE

Licensure Information/Registration Number

09/2012 – Present Physical Therapist, Florida (# PT 27804)
05/2005 – 02/2006 Physical Therapist, Kansas (# 3496)
02/1998 – Present Physical Therapist, Connecticut (# 006023)
03/1995 – Present Physical Therapist, Korea (# 9433)

Certifications

APTA Credentialed Clinical Instructor (05/06/2011)

Employment and Positions Held

07/2009 – Present Assistant Professor, School of Physical Therapy and Rehabilitation Sciences, University of South Florida, Tampa, FL
12/2006 – 07/2009 Post-doctoral Researcher, University of Delaware, Newark, DE
01/2006 – 11/2006 Post-doctoral Fellow, University of Kansas Medical Center, Kansas City, KS
06/2002 – 12/2005 Research Assistant, University of Kansas Medical Center, Kansas City, KS
01/2001 – 05/2002 Teaching Assistant, University of Kansas Medical Center, Kansas City, KS
01/1999 – 12/2000 Research Assistant, University of Kansas Medical Center, Kansas City, KS
03/1996 – 04/1996 Physical Therapist, Onsan Hospital, Ulsan, Korea
08/1995 – 02/1996 Physical Therapist, Adult Hemiplegia Center, Daegu University, Daegu, Korea

Peer Reviewed Publications

- Highsmith MJ, Kahle JT, Lewandowski AL, Kim SH, Mengelkoch LJ (2012). A method for training step-over-step stair descent gait with stance yielding prosthetic knees: A technical note. *Journal of Prosthetics & Orthotics*, 24(1): 10-15.
- Liu W, Mukherjee M, Kim SH, Liu H, Natarajan P, Agah A (2011). Developing a sensory-enhanced robot-aided motor training programme. *International Journal of Mechatronics and Automation*, 1: 236-243.
- Banala SK, Agrawal SK, Kim SH, Scholz JP (2010). Novel gait adaptation and neuro-motor training results using an active leg exoskeleton (ALEX). *IEEE/ASME Transactions on Mechatronics*, 15(2): 216-225

- Kim SH, Banala SK, Brackbill EA, Agrawal SK, Krishnamoorthy V, Scholz JP (2010). Robot-assisted modifications of gait in healthy individuals. *Experimental Brain Research*, 202(4): 809-824.
- Liu W, Mukherjee M, Tsaor Y, Kim SH, Liu H, Natarajan P, Agah A (2009). Development and feasibility study of a sensory-enhanced robot-aided motor training in stroke rehabilitation. *Conf Proc IEEE Eng Med Biol Soc*, 1: 5965-5968.
- Banala SK, Kim SH, Agrawal SK, Scholz JP (2009). Robot assisted gait training with active leg exoskeleton (ALEX). *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 17(1): 2-8.
- Liu W, McIntire K, Kim SH, Zhang J, Dascalos S, Lyons KE, Pahwa R (2006). Bilateral subthalamic stimulation improves gait initiation in patients with Parkinson's disease. *Gait & Posture*, 23(4): 492-498.
- Liu W, McIntire K, Kim SH, Zhang J, Dascalos S, Lyons KE, Pahwa R (2005). Quantitative assessments of the effect of bilateral subthalamic stimulation on multiple aspects of sensorimotor function for patients with Parkinson's disease. *Parkinsonism & Related Disorders*, 11(8): 503-508.
- Pohl PS, Filion DL, Kim SH (2003). Effects of practice and unpredictable distractors on planning and executing aiming after stroke. *Neurorehabilitation & Neural Repair*, 17: 93-100.
- Kim SH, Pohl PS, Luchies CW, Stylianou AP, Won Y (2003). Ipsilateral deficits of targeted movements after stroke. *Archives of Physical Medicine and Rehabilitation*, 84: 719-724.
- Liu W, Kim SH, Long JT, Pohl PS, Duncan PW (2003). Anticipatory postural adjustments and the onset of compensatory stepping reactions. *Neuroscience Letter*, 336(1): 1-4.
- Kim SH, Pohl PS (2000). Ipsilateral muscle strength after stroke. *Physical Therapy Reviews*, 5, 171-174.

Published Abstracts of Peer Reviewed Presentations

- Kim SH, Stephenson J, Agazzi S, Abel N (2011). Effects of Ventriculoperitoneal Shunt on Gait Performance in People with Normal Pressure Hydrocephalus. *The Journal of Neurologic Physical Therapy*, 35(4): 214.
- Stephenson J, Kim SH, Zesiewicz T (2011). Quantification of Gait Performance in People with Friedreich Ataxia. *The Journal of Neurologic Physical Therapy*, 35(4): 214.
- Kim SH, Banala SK, Agrawal SK, Scholz JP (2008). Robot-assisted gait training following stroke. *Stroke*, 39(2): 681.
- Kim SH, Mukherjee M, Liu W (2006). The Influence of laterality of brain lesion on recovery of muscle function after stroke. *The Journal of Neurologic Physical Therapy*, 30(4): 213-214.
- Kim SH, Maletsky R, Zahner L, Mukherjee M, Liu W. (2005). Effects of stroke symptoms on gait performance. *Stroke*, 36(2): 518-519.
- Liu W, Kim SH, Maletsky R, Zahner L, Mukherjee M. (2005). Effects of a postural feedback training on gait for stroke patients. *Stroke*, 36(2): 518.
- Kim SH, Pohl PS, Luchies CW, Stylianou AP, Won Y (2001). Ipsilateral deficits in sensory-motor control after stroke. *The Journal of Neurologic Physical Therapy*, 24(5):170.
- Pohl PS, Filion D, Kim SH (2001). Ignoring a visual distractor during goal-directed movements: the challenge after stroke. *The Journal of Neurologic Physical Therapy*, 24(5):175.

Peer Reviewed Scientific and Professional Presentations

- Kim SH, Reed KB. Gait modification in healthy individuals following robot-assisted balance training. *Society for Neuroscience*, New Orleans, LA, October, 2012.

- Carroll MK, Toelle CA, Ambler SB, Kim SH, Highsmith MJ. Walkaide efficacy on gait and multidirectional stepping in a child with cerebral palsy. *American Academy of Orthotists & Prosthetists, Academy Annual Meeting and Scientific Symposium*, Atlanta, GA, March, 2012.
- Stephenson J, Kim SH, Zesiewicz T. Quantification of Gait Performance in People with Friedreich Ataxia. *Combined Sections Meeting of the APTA*, Chicago, IL, February, 2012.
- Kim SH, Stephenson J, Agazzi S, Abel N. Use of Instrumented gait assessment in people with normal pressure hydrocephalus. *Society for Neuroscience*, Washington, DC, November, 2011.
- Stephenson J, Kim SH. Advanced approach to gait and balance evaluation in Friedreich's Ataxia. *Friedreich's Ataxia Research Alliance Symposium*, Tampa, FL, August, 2011.
- Kim SH, Stephenson J, Agazzi S, Abel N. Importance of systematic gait assessment in people with normal pressure hydrocephalus. *USF Research Day*, Tampa, FL, April, 2011.
- Scholz JP, Kim SH, Srivastava S, Brackbill EA, Banala SK, Agrawal SK. Robot assisted gait training following stroke. *Combined Sections Meeting of the APTA*, Las Vegas, NV, February, 2009.
- Kim SH, Brackbill EA, Banala SK, Agrawal SK, Scholz JP. Efficacy of visual and proprioceptive feedback in robot-assisted gait training. *Society for Neuroscience*, Washington, DC, November, 2008.
- Banala SK, Kim SH, Agrawal SK, Scholz JP. Robot assisted gait training with active leg exoskeleton (ALEX). *IEEE International Conference on Biomedical Robotics and Biomechatronics*, Scottsdale, AZ, October, 2008.
- Mukherjee M, Kim SH, Decker L, Liu W. Motor learning of reaching movements in randomized force fields in chronic stroke subjects. *Congress of the European Society of Biomechanics*, Lucerne, Switzerland, July, 2008.
- Liu W, Mukherjee M, Tsaur Y, Kim SH, Liu H. Sensory-enhanced motor training for the hemiparetic arm. *Congress of the European Society of Biomechanics*, Lucerne, Switzerland, July, 2008.
- John EB, Mukherjee M, Kim SH, Liu W, Gregory RW. A quantitative method for assessing stroke-impaired sense of motor effort: a preliminary study. *American College of Sports Medicine 55th Annual Meeting*, Indianapolis, IN, May, 2008.
- Kim SH, Banala SK, Agrawal SK, Scholz JP. Robot-assisted gait training following stroke. *International Stroke Conference*, New Orleans, LA, February, 2008.
- Scholz JP, Kim SH, Banala SK, Agrawal SK. Alteration of the walking pattern of healthy subjects following robotic training. *Society for Neuroscience*, San Diego, CA, November, 2007.
- Kim SH, Mukherjee M, Liu W. The Influence of Laterality of Brain Lesion on Recovery of Muscle Function after Stroke. *Combined Sections Meeting of the APTA*, Boston, MA, February, 2007.
- Kim SH, Maletsky R, Mukherjee M, Zahner L, Liu W. Comparing the effects of spasticity, muscle weakness, and joint contracture on gait performance after stroke. *APTA Annual Conference*, Orlando, FL, June, 2006.
- Kim SH, Maletsky R, Zahner L, Liu W. Temporal events in compensatory stepping response after stroke. *KPTA Spring Conference*, Wichita, KS, March, 2006.
- Kim SH, Maletsky R, Zahner L, Mukherjee M, Liu W. Improvement in target reaching following postural feedback training after stroke. *Students Research Forum*, University of Kansas Medical Center, Kansas City, KS. April, 2005.
- Liu W, Kim SH, Maletsky R, Zahner L, Mukherjee M. Effects of a postural feedback training on gait for stroke patients. *International Stroke Conference*, New Orleans, LA, February, 2005.

- Kim SH, Maletsky R, Zahner L, Mukherjee M, Liu W. Effects of stroke symptoms on gait performance. *International Stroke Conference*, New Orleans, LA, February, 2005.
- Kim SH, Maletsky R, Zahner L, Mukherjee M, Liu W. Effects of a postural feedback training on gait after stroke. *Kansas City Area Life Sciences Research Day*, Overland Park, KS, June, 2004.
- Liu W, Nathan L, Kim SH, McIntire K, Zhang J, Dascalos S, Lyons KE, Pahwa R. Three-dimensional gait analysis of the effect of bilateral sub-thalamic stimulation for patients with Parkinson's disease. *Eighth International Symposium on the 3-D Analysis of Human Movement*, Tampa, FL, April, 2004.
- Liu W, McIntire K, Kim SH, Zhang J, Dascalos KE, Lyons KE, Pawha R. Quantitative assessment of functional improvement of deep brain stimulation for patients with Parkinson's disease. *XV International Congress on Parkinson's Disease*, Beijing, China, January, 2004.
- Gobert DV, Cho JK, Bouckhout V, Kim SH, Billinger S, Santos M, Kapros I, Can an exercise program with total body reciprocal training improve gait and balance in the chronic stroke survivor, *International Posture & Gait Society Annual Meeting*, Sidney, Australia, 2003.
- Gobert DV, Cho JK, Bouckhout V, Billinger S, Kim SH. Can an intense reciprocal exercise improve gait and balance function in chronic stroke survivors?, *American College of Sports Medicine-Central Region Annual Conference*, Kansas City, KS, 2002.
- Kim SH, Pohl PS, Luchies CW, Stylianou AP, Won Y. Ipsilateral deficits in sensory-motor control after stroke. *Combined Sections Meeting of the APTA*, Boston, MA, February 2002.
- Pohl PS, Filion D, Kim SH. Ignoring a visual distractor during goal-directed movements: the challenge after stroke. *Combined Sections Meeting of the APTA*, Boston, MA, February, 2002.

Abstracts (that were not presented)

N/A

Non-Peer Reviewed Publications

N/A

Non-Peer Reviewed Presentations

- Kim SH. Gait modification in healthy individuals following robot-assisted balance training. *Physical Therapy Round*, University of South Florida, October, 2012.
- Kim SH. Advances in robot-assisted gait training for stroke survivors. *International Physical Therapy Research Forum*, Daegu University, Korea, May 2010.
- Kim SH. Advances in robot-assisted gait training. *Biomechanics and Movement Science Seminar*, University of Delaware, Newark, DE, September 2007.
- Kim SH. Robotic assistances for chronic gait disorders in the elderly. *International Workshop of Korea Nazarene University Regional Innovation System*, Cheonan, Korea, May, 2007.
- Kim SH. Robot-assisted gait training for people with neurological disorders, *International Physical Therapy Research Forum*, Daegu University, Korea, May 2007.
- Kim SH. Effects of stroke Impairments on gait performance after stroke, *International Physical Therapy Research Forum*, Daegu University, Korea, May 2007.

Funded/In Review Grant Activity

- NSF #1229561 Dubey (PI) 09/01/2012 – 08/31/2015
 Title: MRI: Acquisition of a CAREN Virtual Reality System for Collaborative Research in assistive and Rehabilitation Technologies
 Goal: Establish a virtual reality system for interdisciplinary research, including the arts,

physical therapy, medicine, and engineering

Role: Co-Investigator

Amount: \$450,000

- W81XWH-11-1-0634 (DOD) Sanberg & Quillen (PIs) 09/20/2011 – 09/19/2013
Title: Occurrence of Impairments in Balance, Gait, Vestibular & Hearing Functions
Goal: Examine the occurrence of impairments in balance, gait, vestibular and hearing functions in USF student OEF and OIF veterans compared to a control group of non-veteran students
Role: Co-Investigator
Amount: \$264,600
- W81XWH-11-1-0748 (DOD) Quillen (PI) 09/15/2011 – 09/14/2013
Title: Metabolic and biomechanical measures of gait efficiency of three multi-axial, vertical shock and energy storing-return prosthetic feet during simple & complex mobility activities
Goal: Assess the functional performance of fourteen highly mobile transtibial amputees utilizing three different multi-function (vertical shock, multi-axial and energy storing) prosthetic feet during complex mobility activities.
Role: Co-Investigator
Amount: \$714,744
- Friedreich's Ataxia Research Alliance & Baxter Pharmaceuticals Zesiewicz (PI) 04/2011 – 06/2013
Title: A pilot, open-label study to determine the safety and efficacy of intravenous immune globulin in treating Friedreich's Ataxia and Spinocerebellar Ataxia
Goal: Identify if intravenous immunoglobulin helps reduce symptoms of Friedreich's Ataxia or spinocerebellar ataxia type 3
Role: Co-Investigator
Amount: \$50,000

Other Scholarly Products

N/A

Research Activity:

- Friedreich's Ataxia Research Alliance (FARA) Zesiewicz (PI) 04/01/2010 – 03/31/2012
Title: Natural History Biomarkers in Friedrich's Ataxia
Role: Co-Investigator
- 2R01HD038582-06A1 Agrawal (PI) 08/15/2008 – 07/31/2012
Title: Robotic exoskeletons, FES, and biomechanics: Treating movement disorders
Goal: Integrate and expand on current understanding of movement science and robot technologies, functional electrical stimulation, and biomechanics to produce and test novel rehabilitation solutions for gait training of people with stroke
Role: Co-Investigator as a postdoctoral researcher (08/15/2008 – 07/31/2009)
- NIH 5R01HD038582-05 Buchanan (PI) 08/01/2002 - 07/31/2007
Title: FES and Biomechanics: Treating movement disorders
Goal: Assist patients with CNS dysfunction to produce improved walking patterns through a combination of functional electrical stimulation, robotic-assistive training, and biomechanical modeling
Role: Co-Investigator as a postdoctoral researcher (12/01/2006 – 08/14/2008)
- NSF BES-0302466 Liu (PI) 07/2003 - 07/2006
Title: Development of a robot-aided motor training with enhanced sensory inputs for stroke rehabilitation.

Goal: Develop a robot-assisted sensory-enhanced training program for upper limb functional activity following stroke

Role: Co-Investigator as a postdoctoral fellow (01/01/2006 – 11/30/2006)

Continuing Education Workshops Organized

N/A

Membership in Scientific/Professional Organizations

12/2011 – Present	Korean-American Scientists and Engineers Association
10/2007 – Present	Society for Neuroscience
07/2007 – Present	American Heart Association
01/1999 – Present	American Physical Therapy Association
03/1995 – Present	Korean Physical Therapist Association

Consultative and Advisory Positions Held

12/2012 – Present	Reviewer for Experimental Brain Research
11/2011 – Present	Editorial board member, Journal of Novel Physiotherapies
03/2011 – Present	Reviewer, Gerontechnology
01/2008 – Present	Reviewer for IEEE Transactions on Neural Systems and Rehabilitation Engineering
01/2008 – 10/2008	Program committee for 2008 IEEE International Conference on Biomedical Robotics and Biomechanics
03/2007 – Present	Reviewer for Journal of Biomechanics
08/2002 – Present	Reviewer for Clinical Biomechanics

Community Service

01/2012 – Present	Volunteer, USF Health CATCH Fair with Catholic Mobile Charities at Tampa Bay Downs Race Track, Tampa, FL
02/2003 – 01/2005	Volunteer, Korean-American Society of Greater Kansas City, Overland Park, KS
01/1999 – 11/2006	Volunteer, Cultural Discovery Group, Kansas City, MO
06/1998 – 08/1998	Volunteer, Overland Park Regional Medical Center, Overland Park, KS
07/1997 – 02/1998	Volunteer, Shawnee Mission Medical Center, Shawnee Mission, KS
05/1997 – 07/1997	Volunteer, Overland Park Regional Medical Center, Overland Park, KS
12/1993 – 04/1996	Volunteer, Namsan Social Welfare Center for Rehabilitation Disability, Daegu, Korea
03/1993 – 08/1995	Volunteer, Kukjae Rehabilitation Center, Daegu, Korea
03/1992 – 04/1996	Volunteer, Jandi-Hwe (a group of progressive muscular dystrophy patients), Korea

Services to the University/College/School on Committees/Councils/Commissions

01/2013 – Present	Professionalism Initiative Committee, College of Medicine
12/2011 – 07/2012	Neuroscience Educator Search Committee, College of Medicine
08/2011 – Present	Curriculum Committee, School of Physical Therapy & Rehabilitation Sciences
08/2010 – Present	Research Committee, College of Medicine
08/2009 – 07/2011	Student Selection Committee, School of Physical Therapy & Rehabilitation Sciences

Honors and Awards:

02/2013	Scientists and engineers early career development workshop travel scholarship, Korean-American Scientists and Engineers Association, Vienna, VA
01/2010	Faculty travel scholarship, University of South Florida, Tampa, FL
02/2005	Student travel scholarship, University of Kansas Medical Center, Kansas City, KS

12/2004	Outstanding doctoral student scholarship, University of Kansas Medical Center, Kansas City, KS
11/2004	Student scholarship, Korean-American Society of Greater Kansas City, Overland Park, KS
04/2003	Dean's multicultural student scholarship, University of Kansas Medical Center, Kansas City, KS
02/2002	Student travel scholarship, University of Kansas Medical Center, Kansas City, KS
09/1993	Student president scholarship, Daegu University, Daegu, Korea

Continuing Education Attended:

01/05/2013	Continuous Scale Physical Functional Performance Test Administrator
11/08/2012	Bridging the logistical use of the Balance System SD with clinical reasoning and therapeutic intervention approaches
07/12 – 07/13/2012	Clinical Integration Seminar (NeuroCom)
10/21 – 10/22/2011	EBP Institute for physical therapy faculty
04/09/2011	Keys to progressing care of the ICU patient: Bed rest- A thing of the past
03/05 – 03/06/2011	APTA Clinical Instructional Education and Credentialing Program
08/07/2010	Therapeutic exercise dosing: Introduction to evidence –based clinical decision making and use of the ICF model in exercise prescription

Current Teaching Responsibilities in the Entry-level Physical Therapy/Physical Therapist Assistant Program, if any (in sequence by term; specify term):

<i>Course Director:</i>	PHT 6285 Scientific & Professional Foundations of Physical Therapy 2 (Year 2, Fall) PHT 6609 Critical Assessment of the Literature and Evidence-Based Practice (Year 2, Fall)
<i>Instructor:</i>	PHT 6174 Movement Science 1 (Year 1, Fall) PHT 6284 Scientific & Professional Foundations of Physical Therapy 1 (Year 1, Spring) PHT 7264 Neuromuscular Clinical Problem Solving (Year 2, Fall) PHT 6178 Movement Science 2 (Year 2, Spring) PHT 6179 Movement Science 3 (Year 3, Fall) BMS 6640 Core Principles of Medical Science: Musculoskeletal System (Year 1, Fall – Active Learning)

Lab Instructor: PHT 7151, Health Promotion & Wellness (Year 2, Spring)

Assistant Course Director: BMS 6641 Communications: Neuroscience & Endocrinology (Year 1, Fall)
BMS 6639 Excretory & Reproductive Systems (Year 1, Fall)

Proposed Teaching Responsibilities in the Proposed Entry-level Physical Therapy/Physical Therapist Assistant Program (in sequence by term; specify term)

<i>Course Director:</i>	PHT 6285 Scientific & Professional Foundations of Physical Therapy 2 (Year 2, Fall) PHT 6609 Critical Assessment of the Literature and Evidence-Based Practice (Year 2, Fall)
<i>Instructor:</i>	PHT 6174 Movement Science 1 (Year 1, Fall) PHT 6284 Scientific & Professional Foundations of Physical Therapy 1 (Year 1, Spring) PHT 7264 Neuromuscular Clinical Problem Solving (Year 2, Fall) PHT 6178 Movement Science 2 (Year 2, Spring) PHT 6179 Movement Science 3 (Year 3, Fall)

BMS 6640 Core Principles of Medical Science: Musculoskeletal System (Year 1,
Fall – Active Learning)

Assistant Course Director. BMS 6641: Communications: Neuroscience & Endocrinology (Year 1, Fall)

AIMEE B. KLEIN, DPT, DSc, OCS

CURRICULUM VITAE

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University of South Florida
School of Physical Therapy and Rehabilitation
Sciences
2901 Bruce B. Downs Blvd, MDC 77
Tampa, FL 33162
(813) 974-6202
Aklein1@health.usf.edu

EDUCATION

- 2000 - 2008 Doctor of Science (Orthopaedic Specialty Track),
Rocky Mountain University of Health Professions, Provo, UT
Dissertation: *Predictors of Physical Therapy Outcomes in Patients with Lower Extremity
Musculoskeletal Dysfunction*
- 2002 Doctor of Physical Therapy
MGH Institute of Health Professions, Boston, MA
- 1988 - 1989 Master of Science (Physical Therapy)
Boston University, Boston, MA
- 1974- 1978 Bachelor of Science (Physical Therapy)
Boston University, Boston, MA

PROFESSIONAL LICENSURE

Physical Therapy:

Florida (in process)
Massachusetts (# 3423, 9/12/78) expiration 1/04/14
California (# 9972), expired

CERTIFICATION

Board Certified Specialist in Orthopaedic Physical Therapy, American Board of Physical Therapy
Specialties, American Physical Therapy Association (#1360) 4/23/96; Recertified 5/16/05 – 6/1/16

ACADEMIC AND RESEARCH APPOINTMENTS

2013 – present	Associate Professor, University of South Florida, School of Physical Therapy and Rehabilitation Sciences, Tampa, FL
2011 – present	Adjunct Research Fellow, Rocky Mountain University of Health Professions, Provo, UT
2007 – 2012	Coordinator, Clinical Residency in Orthopaedic Physical Therapy, MGH Institute of Health Professions, School of Health and Rehabilitation Sciences, Department of Physical Therapy, Boston, MA
1997 – 2012	Clinical Assistant Professor, Graduate Programs in Physical Therapy, MGH Institute of Health Professions, School of Health and Rehabilitation Sciences, Department of Physical Therapy, Boston, MA
1995 - 1997	Assistant Professor, Professional Program in Physical Therapy, MGH of Health Professions, School of Health and Rehabilitation Sciences, Department of Physical Therapy, Boston, MA
1991 - 1995	Clinical Assistant Professor, Department of Physical Therapy, Boston University Sargent College of Allied Health Professions, Boston, MA
1989 - 1991	Clinical Instructor, Department of Physical Therapy, Boston University Sargent College of Allied Health Professions, Boston, MA
1988 - 1989	Lab Instructor/Teaching Assistant, Department of Physical Therapy, Boston University Sargent College of Allied Health Professions, Boston, MA

CLINICAL APPOINTMENTS

2013- present	USF Physical Therapy Center, University of South Florida, Tampa, FL
2000 - 2012	Clinical Associate, Physical Therapy Services, Massachusetts General, Boston, MA
1997 - 2000	Senior Resource, Rehabilitation Services Department, Beth Israel Deaconess Medical Center, Boston, MA
1991 -1997	Physical Therapist II, Rehabilitation Services Department, Beth Israel Deaconess Medical Center, Boston, MA
1990	Physical Therapy Consultant, Rehabilitation Services Department, Beth Israel Hospital, Boston, MA
1988 - 1989	Physical Therapist, Sargent Clinic, Boston University
1987 - 1988	Coordinator of Physical Therapy, Lawrence Memorial Hospital, Medford, MA

CLINICAL APPOINTMENTS (continued)

1986 - 1987	Physical Therapist, Medical Register, Inc., Boston, MA
1985 - 1986	Physical Therapist, Beverly Hospital, Beverly, MA
1984 - 1985	Director of Physical Therapy, Beverly Hospital, Beverly, MA
1983	Director of Physical Therapy, Alta Institute, Los Angeles, CA
1982 - 1983	Physical Therapist, Alta Institute, Los Angeles, CA
1980 - 1982	Senior Physical Therapist: Medical/Surgical Units, Huntington Memorial Hospital, Pasadena, CA
1978 - 1980	Physical Therapist, Symmes Hospital, Arlington, MA

PEER-REVIEWED PUBLICATIONS

- ❖ McCauley SA, **Klein AB**: Differential Diagnosis of Psoriatic Arthritis in a Patient Referred for Carpal Tunnel Syndrome. *Orthopaedic Physical Therapy Practice*, 24(4):199-203, 2012.
- ❖ **Klein AB**, Snyder-Mackler L, Roy SH et al: Comparison of Spinal Mobility and Isometric Trunk Extensor Forces to EMG Spectral Analysis in Identifying Low Back Pain. *Physical Therapy*, 71(6): 445-454, 1991
- ❖ Levine D, **Klein AB**, Morrissey CM: Reliability of Isokinetic Concentric Closed Kinematic Chain Testing of the Hip and Knee Extensors. *Isokinetics and Exercise Science*, 1(3): 146-152, 1991

PUBLISHED ABSTRACTS OF PEER-REVIEWED PRESENTATIONS

2010	Klein AB , Portney LG, Powers C, Stark PC: Responsiveness of the Lower Extremity Functional Scale (LEFS) in Patients with Lower Extremity Musculoskeletal Dysfunction (Platform), APTA, Combined Sections Meeting, San Diego, CA ABSTRACT: JOST 40(1): A18, 2010
2008	Schmidt CT, Harris, BA, Klein, AB : The Effectiveness of Physical Therapy Intervention in the Management of Patients Following Rotator Cuff Repair: A Systematic Review (Poster), APTA, Combined Sections Meeting, Nashville, TN ABSTRACT: JOST 38(1): A59, 2008
2007	Fallano J, Ioli JP, McLoughlin J, Watkins MP, Klein AB : The Effectiveness of Iontophoresis with 4 mg/ml Dexamethasone Versus 5% Acetic Acid in Patients Diagnosed with Plantar Fasciitis: A Pilot Study (Platform), APTA, Combined Sections Meeting, Boston, MA ABSTRACT: JOST 37(1): , 2007

PUBLISHED ABSTRACTS OF PEER-REVIEWED PRESENTATIONS (continued)

- 2004 Gruber J, Klein AB: On-Ice Assessment Of Aerobic Fitness In Synchronized Figure Skaters (Poster) APTA Combined Sections Meeting
ABSTRACT: *JOSPT 34(1):A65, 2004*
- 1990 Klein AB, Snyder-Mackler L, Roy SH et al: Comparison of Spinal Mobility and Isometric Trunk Extensor Strength to EMG Spectral Analysis in Identifying Low Back Pain. (Platform) APTA Annual Conference,
ABSTRACT: Abstracts of Platform and Poster Presentations, p. 35

PEER REVIEWED SCIENTIFIC AND PROFESSIONAL PRESENTATIONS

- 2013 Fallano J, Klein AB. Evidence Based Practice of Musculoskeletal Imaging in Orthopedic Physical Therapy: Hips, APTA Combined Sections Meeting, San Diego, CA, 2013
- 2012 Fallano J, Klein AB. Evidence Based Practice of Musculoskeletal Imaging in Orthopedic Physical Therapy: Lumbar Spine and Lower Extremities, APTA of MA Annual Meeting, November 3, 2012
- 2011 Gross KD, Nui J, Kneiss JA, Klein A, Dutt U, Nevitt MC, Lewis CE, Torner JC, Felson DT. The relationship between toe-out walking and clinical characteristics of 1st metatarsophalangeal joint osteoarthritis: the MOST study. (Platform Presentation) APTA of Massachusetts Annual Conference, Norwood, MA. Nov. 2011
- 2009 Dahodwala MS, Harris BA, Klein AB: Effect of Exercises with and without Calcium and Vitamin D in Postmenopausal Women with Low Bone Density: A Systematic Review (Poster), APTA, Annual Conference, Baltimore, MD
- 2008 Dahodwala MS, Harris BA, Klein AB: Effect of Exercises with and without Calcium and Vitamin D in Postmenopausal Women with Low Bone Density: A Systematic Review (Poster), APTA, Massachusetts Chapter Fall Meeting, November 5, 2008
- 2006 Fallano J, Ioli JP, McLoughlin J, Watkins MP, Klein AB: The Effectiveness of Iontophoresis with 4 mg/ml Dexamethasone Versus 5% Acetic Acid in Patients Diagnosed with Plantar Fasciitis: A Pilot Study (Poster) APTA, Massachusetts Chapter Spring Meeting
- 2002 Alba CA, Bernard SL, Green JA, Kosses RA, Klein AB: Descriptive Analysis Of Patients With Lower Extremity Dysfunction Presenting To Massachusetts General Hospital's Outpatient Physical Therapy Services (Poster) APTA, Massachusetts Chapter Annual Meeting

PEER REVIEWED SCIENTIFIC AND PROFESSIONAL PRESENTATIONS (continued)

- 2002 Baldner TN, Flaherty MA, McGuire CE, Pitcher AE, Klein AB: Physical Therapy and Health Outcomes in Patients with Soft Tissue Cumulative Trauma Pathology at the Foot and Ankle. (Poster) APTA Combined Sections Meeting
- 2001 Baldner TN, Flaherty MA, McGuire CE, Pitcher AE, Klein AB: Physical Therapy and Health Outcomes in Patients with Soft Tissue Cumulative Trauma Pathology at the Foot and Ankle. (Platform) APTA, Massachusetts Chapter Annual Meeting
- 2000 Clancy M, Macauley K, Molis S, Swartz A, Klein AB: The Effects of Clustering Treatments on Functional Outcomes in Patients with Inflammatory Shoulder Disorders. (Platform) APTA, Massachusetts Chapter Annual Meeting
- 1999 Bevill J, Elliott N, Gagnon R, Gopen J, Klein AB: Predictability of nursing home Admissions. (Platform) APTA, Massachusetts Chapter Annual Meeting

NON PEER-REVIEWED PUBLICATIONS/INVITED COMMENTARIES

- ❖ Klein AB: Continuing Competence: The Who What and Why – PT Priority, Newsletter of the Illinois Chapter, American Physical Therapy Association, Oct/Nov: 5-8, 2011.
- ❖ Klein AB: Clinical Residencies and Fellowships: A Career Pathway to Clinical Expertise, - Newsletter of the Ohio Chapter, American Physical Therapy Association, 2009.
- ❖ Klein AB: Pathways to Clinical Expertise, *PT—Magazine of Physical Therapy*, 15(7):58-60, 2007.

BOOKS, BOOK CHAPTERS and PROCEEDINGS

- ❖ Contributor , Part 2 – Body Systems, Section 4 Musculoskeletal and Section 13 Massage and Soft Tissue Techniques in Rothstein JM et al: *The Rehabilitation Specialist's Handbook, 4th Edition*, F.A. Davis, Philadelphia (*in publication*).
- ❖ Contributor , Part 2 – Body Systems, Section 4 Musculoskeletal and Section 13 Massage and Soft Tissue Techniques in Rothstein JM et al: *The Rehabilitation Specialist's Handbook, 3rd Edition*, F.A. Davis, Philadelphia, 2005.
- ❖ Contributor , Part 2 – Body Systems, Section 13 Massage and Soft Tissue Techniques in Rothstein JM et al: *The Rehabilitation Specialist's Handbook, 2nd Edition*, F.A. Davis, Philadelphia, 1997.
- ❖ Associate Editor, *Clinical Orthopaedic Physical Therapy 2nd Edition*, 2000 – 2003
- ❖ Emley MS, Klein AB, Snyder-Mackler L et al: Comparison of Spinal Mobility and Isometric Trunk Extensor Strength to EMG Spectral Parameters in Identifying Low Back Pain (abstract). ISEK, 8th Congress Proceedings

NON-PEER REVIEWED PRESENTATIONS

- 2012 *Oxford Debate: "To Be or NOT to Be? Residency for PT? That is the Question."*, Panelist, PT 2012, Tampa, FL, June 8th, 2012
- 2012 *"Building The Future of Physical Therapy"*, Panelist; Combined Sections Meeting, Chicago IL; February 10, 2012
- 2011 Keynote Speaker, "What Do You Value?", Northeastern University, Bouve College, Department of Physical Therapy, White Coat Ceremony, April 21, 2011
- 2011 Connecticut Chapter Student Conclave Connecticut Chapter Spring Meeting – Key Note Speaker – *"What Do You Value?"*, and Move Forward In Your Career Session Presenter, *"Negotiating For Success in Your First Job"*, April 2, 2011
- 2009 Northwest Region Leadership Development Seminar, APTA, Vancouver, WA, April 4, 2009
- 2008 PT Services, Massachusetts General Hospital – Presentation - *"Your Association: Working for You, Your Profession and Your Patients"*, October 15, 2008
- 2007 Idaho Chapter Spring Meeting – Presentation – *"Professionalism & Referral for Profit Update"*, April 28, 2007
- 2007 Connecticut Chapter Spring Meeting – Key Note Speaker – *"Catapult Your Career & Profession"* & Presentation to Student Special Interest Group - *"Marketing Yourself in a Competitive Environment"*, April 21, 2007
- 2005 *"Diagnostic Imaging: Applied Information for the Physical Therapist"* Columbia University, New York, New York, October 20–21, 2005
- 2005 *"Diagnostic Imaging: Applied Information for the Physical Therapist"* University at Buffalo, Buffalo, New York, September 23, 2005
- 2004 *"Diagnostic Imaging: Applied Information for the Physical Therapist"* Columbia University, New York, New York, November 20–21, 2004
- 2004 *"Diagnostic Imaging: Applied Information for the Physical Therapist"* New York Physical Therapy Association, Annual Meeting, Huntington, New York, October 16, 2004
- 2003 *"Diagnostic Imaging: Applied Information for the Physical Therapist"* Massachusetts Chapter, Annual Meeting, Waltham, Massachusetts September 20, 2003
- 2002 *"Taking the Confusion out of the Guide – Part 2 Application of the Practice Patterns"* Cooley Dickenson Hospital, Rehabilitation Services Springfield, Massachusetts, July 17, 2002

NON-PEER REVIEWED PRESENTATIONS (Continued)

2002	<i>Taking Care of Your Knees</i> , WBIX, Business 1060, Boston, Massachusetts, February 19, 2002
2002	" <i>Taking the Confusion out of the Guide</i> ". Cooley Dickenson Hospital, Rehabilitation Services, Springfield, Massachusetts, January 16, 2002
2001	2001 House of Delegates Issues. Physical Therapy Services, All Staff Meeting – Massachusetts General Hospital, May 1, 2001
1999	<i>Reliability and Validity of Tests and Measures for Low Back Pain</i> Rehabilitation Services Department, Grand Rounds - Beth Israel Deaconess Medical Center, December 16, 1999
1999	<i>The Clinician You Want to Be: The Guide to Get You There!</i> University of Alabama, Birmingham, Physical Therapy Department November 20, 1999
1999	" <i>Taking the Confusion out of the Guide</i> " New York Physical Therapy Association, Annual Meeting Ryebrook, New York October 10, 1999
1998	Lower Extremity Biomechanical Examination. Rehabilitation Services Department, Outpatient Services In-service - Beth Israel Deaconess Medical Center, May 28, 1998
1998	McConnell Method of Shoulder Taping. Beth Israel Deaconess Medical Center, March 26, 1998
1997	Orthotics: When to use, when not to use Rehabilitation Services Department, Grand Rounds - Beth Israel Deaconess Medical Center, December 18, 1997
1996	Professional Physical Therapy Education MGH Institute of Health Professions, Professional Program in Physical Therapy, Program Overview: A Clinical Education Focus, Rehabilitation Services Department, Grand Rounds - Beth Israel Deaconess Medical Center, March 1996

PROFESSIONAL ORGANIZATIONS

2002-2007	American Public Health Association (APHA) Medical Care Section
1978-present	American Physical Therapy Association (APTA) Section on Research (1993 – present) Section for Education (1997 – present) Academic Faculty Special Interest Group Orthopaedic Section (1995 – present) Foot and Ankle Special Interest Group Musculoskeletal Imaging Education Interest Group Health Policy and Administration Section (2008 – present) Sports Physical Therapy Section (1993-1995)
1978 – 1980	APTA of Massachusetts
1984- present	

OTHER SCHOLARLY PROJECTS: RESEARCH ADVISING

Rocky Mountain University of Health Professions – Doctor of Science in Orthopaedic Physical Therapy

2011	Cheryl L Maurer, PT, Ped <i>Prospectus in development</i> (Dissertation Committee Member - Content)
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MGH Institute of Health Professions – Masters of Science Thesis

2012	Tricia Pinto, BPT <i>Prospectus in development</i> (2 nd Reader)
2011	Nourah AlSulaiteen, BPT <i>"The Relationship Of Foot Pronation During Walking With 1st Metatarsophalangeal Pain And Hallux Valgus Deformity: The MOST Study"</i> (1 st Reader)
	Chaitanya Deo, BPT <i>"The Relationship Of Foot Pronation During Walking With Clinical Characteristics Of 1st Metatarsophalangeal Joint Osteoarthritis In Older Adults: The MOST Study"</i> (2 nd Reader)
	Urmila Dutt, BPT <i>'The Relationship Between Toe-Out Angle During Walking And Characteristics Of 1st Metatarsophalangeal Joint Osteoarthritis: The Most Study'</i> (2 nd Reader)

OTHER SCHOLARLY PROJECTS: RESEARCH ADVISING

MGH Institute of Health Professions – Masters of Science Thesis (continued)

- 2010 Manali Anil Kadam, B PT
"Examination And Diagnostic Classification By Physical Therapists"
 (2nd Reader)
- 2010 Abha Bansal, BPT
"Physical Therapist Diagnosis For Patients With Primary Pathology Producing Multi-System Impairments"
 (2nd Reader)
- Nidhi Shah, BPTTh
"Physical Therapist Diagnostic Classification Of Movement System Impairments In Hospitalized Acute Care Patients"
 (2nd Reader)
- 2009 Raina Ranparia, PT
"Diagnostic Data Collection Patterns Of Physical Therapists Managing Hospitalized Patient"
 (2nd Reader)
- 2008 Muneera Dahodwala Shabbir, BPTTh
"The Effect Of Exercise With Or Without Calcium And Vitamin D In Postmenopausal Women With Low Bone Mineral Density: A Systematic Review"
 (2nd Reader)
- 2007 Catherine T. Schmidt, PT
"The Effectiveness Of Physical Therapy Intervention In The Management Of Patients Following Rotator Cuff Repair: A Systematic Review"
 (2nd Reader)
- 2006 Joel Fallano, PT, DPT
"The Effectiveness of Iontophoresis with 4 mg/ml Dexamethasone Versus 5% Acetic Acid in Patients Diagnosed with Plantar Fasciitis: A Pilot Study"
 (2nd Reader)
- 2004 Anant Ingle BPTTh and Neeti Nandu BPTTh
"The Effectiveness Of Strength And Proprioceptive Training Following Anterior Cruciate Ligament Injury With Or Without Reconstruction: A Systematic Review"
 (1st Reader)

Boston University – Masters of Science Thesis

1995 Donna C. Hills, PT

	<i>"Patellofemoral Dysfunction The Efficacy of the A Angle and the McConnell Patellofemoral Treatment Program"</i> (1 st Reader)
1994	Angela-Marie Carbonell, PT <i>" The Effects of Serial Casting on Ankle Motion During Ambulation in a Child with Spastic Diplegia: A Single Subject Design"</i> (1 st Reader)
	Chun Pin-Lin, PT <i>"Balance Performance in Subjects with Ankle Sprains"</i> (1 st Reader)
1991	Clare Safran, PT <i>"Predictor Variables in Running-Related Injuries"</i> (2 nd Reader)
1991	David Levine, PT <i>"Reliability of Isokinetic Concentric Closed Kinematic Chain Testing of the Hip and Knee Extensors"</i> (2 nd Reader)

PROFESSIONAL ACTIVITIES

2011- 2013	Member, Credentials Services Committee, American Board of Physical Therapy Residency and Fellowship Education
2011- present	Spokesperson, APTA Media Corps
2010-present	Grant Reviewer, CIMIT Innovation Grants
2009 – present	Brand Champion, APTA Brand Initiative

PROFESSIONAL ACTIVITIES (continued)

2006 - 2012	<p>Board of Directors, APTA</p> <ul style="list-style-type: none"> • Liaison Groups: <p>2006-07: Connecticut, Idaho, Wisconsin, Wyoming, Section on Research</p> <p>2007-08: Connecticut, Idaho, Wisconsin, Wyoming, Education Sections, Section on Research</p> <p>2008 -08: District of Columbia, Ohio, Oregon, Education Section, Orthopaedic Section</p> <p>2009 – 10: District of Columbia, Nebraska, Ohio, Oregon, Clinical Electrophysiologic & Wound Care Section; Orthopaedic Section; Student Assembly</p> <p>2010-11: Georgia, Illinois, Nebraska, Nevada, Orthopaedic Section, Student Assembly</p> <p>2011-12: Georgia, Hawaii, Illinois, Nevada, Oncology Section, Section on Women's Health;</p> • Advisory Panels/Committees/Task Forces <p>2006 –07: AP Membership Recruitment & Retention; Component Bylaws; TF - Ambassador Program (Board/Staff)</p> <p>2007-08: AP Membership Recruitment & Retention; AP on Research; Clinical Residency & Fellowship Credentialing Committee; TF - Ambassador Program (Board/Staff)</p> <p>2008 – 09: AP on Research; PT PAC; Communications Task Force; Catherine Worthingham Fellow Review Task Force (Board); Catherine Worthingham Fellow Review Task Force</p> <p>2009 – 10: PT PAC; Communications Task Force; Catherine Worthingham Fellow Review Task Force; Board Peer Evaluation Workgroup (Board)</p> <p>2010-11: PT PAC; Catherine Worthingham Fellows; Governance Task Force (Chapter Subgroup); Manipulation and Mobilization Task Force; Board Appointments Workgroup (Board)</p> <p>2011-12: Public Policy and Advocacy Committee; Board Appointments Workgroup, Chair (Board)</p>
2005 – present	Manuscript Reviewer, <i>Physical Therapy</i>
2005 – 2006	Trustee, Physical Therapy Political Action Committee, APTA

PROFESSIONAL ACTIVITIES (continued)

2004 – 2006	Orthopaedic Specialty Council, Test Item Coordinator, ABPTS
2002 – 2004	Reference Committee, APTA <ul style="list-style-type: none"> • Member 2002 – 2003 • Chair 2004
2003 - 2006	OCS Exam Item Review Committee, American Board of Physical Therapy Specialties (ABPTS)
2003 - 2006	Assembly Representative, Northern Metropolitan District, Massachusetts Chapter, APTA,
2002 – 2004	Clinical Content Expert, Orthopaedic Specialty Academy of Content Experts, ABPTS
2002 - 2006	Practice Committee, Orthopaedic Section, APTA
2001, 2003	Standard Setting Committee, OCS Exam, ABPTS
2000 – 2001	Member, Subject Matter Expert, Description of Specialty Practice, Task Force, Orthopaedic Section, APTA
1999 - present	APTA Trained Faculty, Guide to Physical Therapist Practice, APTA,
1999 - 2006	Advisory Member, Physical Therapist, Bay State Community College, Boston, MA
1999 - 2002	Executive Board of Directors, Massachusetts Chapter, APTA
1999 - 2002	Board of Directors, Massachusetts Chapter, APTA
1999 - 2002	Chief Delegate, Massachusetts Chapter, APTA
1999 - present	Legislative Committee, Massachusetts Chapter, APTA, 1987 to 1990
1998 - 2001	Advisory Panel on Practice, APTA, Chair, 2000 – 2001
1998 - 1999	District Delegate, Southern Metropolitan District, Massachusetts Chapter, APTA

PROFESSIONAL ACTIVITIES (continued)

1997 - present	Book/Manuscript Reviewer, J. B. Lippincott-Raven
1996 - 1997	District Delegate, Eastern District, Massachusetts Chapter, APTA, 1992, 1993,
1995	Chapter Delegate, House of Delegates, APTA, 1988 to 1991, 1994
1995 - present	Book/Manuscript Reviewer, W. B. Saunders
1995 - 1998	Physical Therapy Consultant, Computer Sports Medicine, Inc., Norwood, MA
1994 - 1996	Chief Assembly Representative, Eastern District, Massachusetts Chapter, APTA
1993 - present	Manuscript Reviewer, <i>JOURNAL OF ORTHOPEDICS AND SPORTS PHYSICAL THERAPY</i> (JOSPT)
1993	Member, Task Force on Board of Allied Health Professions (BAHP) Proposed Regulation Changes, Massachusetts Chapter, APTA
1992 - present	Book/Manuscript Reviewer, Mosby
1991 - 2005	Abstracter/Book Reviewer, <i>PHYSICAL THERAPY</i>
1991 - 1995	Physical Therapy Consultant, Department of Athletics, Chelmsford High School, Chelmsford, MA
1990 - 1992	Chair, Nominating Committee, Massachusetts Chapter, APTA
1988 - 1990	Chair, Eastern District, Massachusetts Chapter, APTA
1988 - 1989	Advisory Member, Physical Therapist, Sargent Clinic, Boston University
1987 - 1991	Committee for 1991 Annual Conference, Massachusetts Chapter, APTA
1985 - 1988	Secretary, Eastern District, Massachusetts Chapter, APTA
1985 - 1986	Task Force for Recruitment and Retention of Physical Therapists, Massachusetts Chapter, APTA
1982 - 1984	Physical Therapy Consultant, Alta Medical Systems, Los Angeles, CA

UNIVERSITY SERVICE

MGH Institute of Health Professions, 1995-2012

2008 – 2010	Chair, Faculty Search Committee, Graduate Programs in PT
2009 – 2010	Chair, Faculty Positions Committee
2008 – present	Member, Faculty Positions Committee
2008 - present	Member, NEASC Subcommittee – Standard VIII Physical and Technological Resources
2008 – present	Member, Faculty Research Committee
2007 – 2008	Member, Institute Space Planning Committee
2007 - present	Member, Infusing Technology Task Force
2006 – 2007	Member, Faculty Search Committee, Graduate Programs in PT
2006 – present	Admissions Committee – Post Professional Programs (tDPT, MS, CAS/Residency
2005	Member, Selection Committee for the 2005 Nancy T. Watts Award for Excellence in Teaching
2001 - 2004	Institute Hearing Committee, IHP, 1995 - 1997, 1999 - 2000
2001 - 2002	Member, Transitional Doctorate in Physical Therapy Committee
2001	Search Committee, Associate ACCE position
2000	Member, Transitional Doctorate in Physical Therapy Task Force
1999 - 2002	Member, Interdisciplinary Seminar Committee
1998 - 1999	Member, Interdisciplinary Seminar Task Force
1996 - 2000	Faculty Governance Committee, Chair, 1999 to 2000
1997	Member, Operations Improvement - Space Committee
1997	Member, Operations Improvement - ITS Committee

MGH Institute of Health Professions (Continued)

1997 - 1999	Nominating Committee, Chair, 1998 to 1999
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1996 - 1999	Awards Committee, Graduate Program in PT, Chair, 1998 to 1999
1995 - present	Admissions Committee, Professional Program in Physical Therapy

Boston University

1989 - 1995	<p>Faculty Council, Boston University, member 1992 - 1994, Alternate Member 1991, 1994 – 1996</p> <p>Faculty Council, Sargent College, 1992 - 1993</p> <p>Physical Therapy Representative, CAPP Committee, Sargent College, 1993 - 1995</p> <p>Inventory Committee, Chair, PT Program, 1991 - 1995</p> <p>Advanced Master of Science Committee, PT Program, 1990 - 1995</p> <p>Admissions Committee, MS in PT Program, 1989 - 1995</p> <p>Curriculum Committee, MS in PT Program, 1989 – 1995</p>
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HONORS AND AWARDS

2009	Partners in Excellence Award, Team Work (Team Award), Massachusetts General Hospital and Partners Healthcare
2007	Partners in Excellence Award, Quality Treatment and Service; Leadership & Innovation, Massachusetts General Hospital and Partners Healthcare
2006	Partners in Excellence Award, Team Work (Team Award), Massachusetts General Hospital and Partners Healthcare
2005	Partners in Excellence Award, Interdisciplinary Seminar Team, Team Work (Team Award), Massachusetts General Hospital and Partners Healthcare
2004	Partners in Excellence Award, Entry-Level DPT Accreditation Team, Team Work (Team Award), Massachusetts General Hospital and Partners Healthcare
2004	Lucy Blair Service Award, APTA
2003	Mary MacDonald Distinguished Service Award, Massachusetts Chapter, APTA
2003	Partners in Excellence Award, Innovation (Individual Award), Massachusetts General Hospital and Partners Healthcare
2001	Partners in Excellence Award, IHP Interdisciplinary Seminar (Team Award), Massachusetts General Hospital and Partners Healthcare
1989	Mary McMillan Scholarship, Advanced Masters Division, APTA

CONTINUING EDUCATION

2011	Real-Time Ultrasound Imaging (RTUI): Clinical Applications for Physical Therapists, American Physical Therapy Association, October 29 & 30, 2011
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CURRENT TEACHING RESPONSIBILITIES

University of South Florida

Doctor of Physical Therapy Program

2013 – present	Spring, Year 2	PT 7777 - Musculoskeletal Clinical Problem Solving - PHT 7540 - Musculoskeletal Imaging in Patient Client Management
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MGH Institute of Health Professions

Entry-level Program

2007 – 2012	Fall, Year I	PT 622 – Functional Anatomy
	Spring, Year 1	PT 671 - Clinical Management of Musculoskeletal Disorders: Extremities
1995-2007	Fall, Year 1	PT 661 - Clinical Seminar and Practicum I PT 670 - Fundamentals of Physical Therapy Practice
	Spring, Year 1	PT 662 - Clinical Seminar and Practicum II PT 671 – Clinical Management of Musculoskeletal Disorders: Extremities
	Summer, Year 3	PT 772 - Special Topics: Evaluation & Management of the Foot and Ankle Complex
1999 - 2012	Fall, Year 2	PH 750 – Diagnostic Imaging
2002	Summer, Year 3	PT 833 Comprehensive Case Study

1995 – 2012

Guest Lecture:

- PT 606 Professional Socialization - Application of the *Guide to Physical Therapist Practice*
- PT640 Clinical Pathophysiology – Healing of Biologic Tissues
- PT641 Musculoskeletal Pathophysiology - Diagnostic Imaging
- PT657 Orthotics – Foot Orthoses
- PT628 – Practice Management - Issues related to APTA House of Delegates
- PH742 - Clinical Applications in Exercise Physiology - Pathophysiology & Diagnosis of Functional Impairment in Musculoskeletal Disease
- NS 856 – Acute Care Nursing - Screening Evaluations

Post-Professional Program (tDPT/ Clinical Residency in Orthopaedic Physical Therapy)

2009 – 2012	PT 768 DL – Comprehensive Case Analysis (on-line)
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2007 - 2011	PT 741 DL – Evidenced Based Practice (on-line) PT 867 & 868 - Manual Course – Lower Extremity (Hip & Knee; Ankle & Foot) (Hybrid – online/onsite) – 2007 only PT 866 – Lower Quarter (formerly PT 867 & 868) 2008 - present PT 877 – 879 – Clinical Residency 1 - 3
2007 - 2009	PT 839 - Clinical Orthopaedic Preceptorship in Physical Therapy
1995 - 2002	PT 839 - Clinical Orthopaedic Preceptorship in Physical Therapy PH 773 – Diagnostic Imaging PH 742 - Clinical Applications in Exercise Physiology -Guest Lecture: Pathophysiology & Diagnosis of Functional Impairment in Musculoskeletal Disease PT 720 - Foundations of Clinical Assessment in Physical Therapy Faculty Advisor
1995 - 2012	Thesis Research

Boston University, (entry-level and advanced MS programs)

1989 - 1995	Musculoskeletal Evaluation and Treatment I and II Case Analysis Cardiopulmonary Evaluation and Treatment Thesis Research (served on 3 thesis committees)
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Revised January 2013

CURRICULUM VITAE

Matthew Lazinski MS, DPT, PT, OCS
4954 Mineola Place
Palm Harbor FL 34684

Education:

Institution	Location	Duration of study	Field of study	Degree name	Date degree received /anticipated
Regis University	Denver CO	9/08-12/09	Physical Therapy	tDPT	12/09
Washington University in St. Louis	St. Louis MO	8/98-12/00	Physical Therapy	Masters in Physical Therapy	12/00
Truman State University	Kirksville MO	08/94 - 05/98	Exercise Science	Bachelors of Science	05/98

Licensure Information/Registration Number:

Licensed Physical Therapist: Florida #25162

Certifications (eg, ABPTS):

Certified Clinical Specialist, Orthopedic Physical Therapy (OCS), American Board of Physical Therapy Specialties, 2007
APTA Credentialed Clinical Instructor, 2008

Employment and Positions Held:

2010-current	Assistant Clinical Professor- University of South Florida, Tampa FL
2008-2009	Instructor- University of South Florida, Tampa FL
2006 -2008	Center Manager- Select Physical Therapy, Zephyrhills FL
2005-2006	Center Manager- Select Physical Therapy, Brandon FL
2003-2005	Center Manager- Novacare Rehabilitation Philadelphia PA
2002-2005	Physical Therapist- Lasalle University Athletic Department. Philadelphia PA
2001-2002	Staff Physical Therapist- Novacare Rehabilitation Philadelphia PA

Peer Reviewed Publications:

Peer Reviewed Scientific and Professional Presentations:

Abstracts:

Non-Peer Reviewed Publications:

Non-Peer Reviewed Presentations:

"Becoming a Clinical Instructor in An Academic Institution". FPTA Student Conclave. Jan 2012

Funded/In Review Grant Activity:

Other Scholarly Products:

Contributor- Lee, S.H. Carey S., Dubey R. Intervention Program in College Instrumental Musicians, With Kinematics Analysis of Cello and Flute Playing: A Combined Program of Yogic Breathing and Muscle Strengthening and Flexibility Exercises. Medical Problems of Performing Artists 2012; 27(2): 85-93.

Research Activity:

2010-Current Development of Curriculum of USF Clinical Orthopedic Residency

Continuing Education Workshops Conducted/Organized:

"Shoulder pathomechanics and rehabilitation Techniques." USF Department of Orthopedic Surgery Lecture Series October 2010.

"Hip Pathomechanics and current Principles of Femoroacetabular Impingement Rehabilitation. USF Department of Orthopedic Surgery Lecture Series June 2011.

"Ankle Instability- Current Concepts on Rehabilitation". USF Department of Orthopedic Surgery Lecture April 2012.

Scapular Differential Diagnosis and Treatment in a High School Throwing Athlete. USF Department of Orthopedic Surgery Lecture October 2012.

"Current concepts in Manipulation in Physical Therapy Literature. USF School of Physical Therapy Rounds Nov 2012.

Membership in Scientific/Professional Organizations:

Member, Florida Chapter, American Physical Therapy Association, 2005-current

Member, American Physical Therapy Association: Orthopaedic Physical Therapy Section 2005-current

Consultative and Advisory Positions Held:

Community Service:

2008-current- Faculty Preceptor for BRIDGE clinic at USF

2010-2012- Delegate to FPTA House of Delegates, West Central District

2011-current Active Volunteer for Frederichs Ataxia Research Alliance- Fundraising

Services to the University/College/School on Committees/Councils/Commissions:

2013-current- Committee to Review APS Guidelines for SPRTS

2012- Current – APRSC Committee- USF School of Physical Therapy and Rehabilitation Sciences

2010-current Curriculum Committee- USF School of Physical Therapy and Rehabilitation Sciences
 2009-2011 Executive Committee- USF School of Physical Therapy and Rehabilitation Sciences

Honors and Awards:

2000 Honor Graduate Washington University in St. Louis St. Louis
 1998 Summa Cum Laude Graduate, Truman State University Kirksville MO.

Continuing Education Attended:

" Lumbar Rotation in Low Back Pain" APTA Annual Conference Tampa FL 2012

"Imaging of the Spine- Medical Screening and Decision Making" APTA Annual Conference Tampa FL 2012

"Biodex Advanced User Workshop: Advances in Multi-Joint System Utilization in Today's Practice." Tampa, FL 2010

"Biodex Fall Risk Screening and Balance Workshop". Tampa FL 2010.

"APTA Clinical Instructor Education and Credentialing Program," Palm Harbor, Florida, 2008

Teaching Responsibilities Current and Past:

Institution	Year	Class	Role
USF	2013	CPS 3 PHT 7777	Co-Course Director
USF	2012	CPS 3 PHT 8266	Instructor
USF	2012	Human Error and Patient Safety An Interdisciplinary Course COPH: PHC 6934 013	Guest Lecturer
USF	2012	CPS 3 PHT 7777	Course Director
USF	2011	Doctoring for Physical Therapists PHT 6205	Clinical Mentor
USF	2011	CPS 3 PHT 8266	Instructor
USF	2011	Clinical Problem Solving 2 PHT7264	Course Director
USF	2011	Doctoring for Physical Therapists PHT 6205	Clinical Mentor
USF	2011	Clinical Problem Solving 3 PHT 8266	Instructor
USF	2010	Clinical Problem Solving 2 PHT 7264	Instructor
USF	2010	Clinical Problem Solving 3 PHT 8266	Instructor
USF	2009	Foundations 2 PHT 6285	Instructor
USF	2009	Clinical Problem Solving 3 PHT 8266	Lab Assistant

CURRICULUM VITAE

John M. Mayer
4913 Ebensburg Drive
Tampa, FL 33647
(813) 974-3818
School of Physical Therapy & Rehabilitation Sciences, University of South Florida

Education:

Ph.D.	Exercise Science/Science Education	Syracuse University, NY	2000
M.S.	Exercise Science	Syracuse University, NY	1998
D.C.	Chiropractic	National University of Health Sciences, IL	1991
B.S.	Human Biology	National University of Health Sciences, IL	1989
		(previously known as National College of Chiropractic)	
B.S.	Biology	S.U.N.Y at Brockport, NY	1987

Licensure Information/Registration Number:

Chiropractic: State of California (license# DC26637)
State of Florida (license# CH 10305)
State of New York (license# X006788)

Certifications (eg, ABPTS):

Certified Clinical Research Professional, Society of Clinical Research Associates
Cervical & Lumbar Exercise Testing & Rehabilitation, University of Florida / MedX Corp
Basic Life Support for Healthcare Providers (CPR and AED), American Heart Association

Employment and Positions Held:

Current (University of South Florida, Tampa, FL)

2012-present Co-Director, Interdisciplinary Center for Neuromusculoskeletal Research
School of Physical Therapy & Rehabilitation Sciences, College of Medicine

2011-present Coordinator of Research
School of Physical Therapy & Rehabilitation Sciences, College of Medicine

2007-present Associate Professor (tenured August 2010)
School of Physical Therapy & Rehabilitation Sciences, College of Medicine

2007-present Lincoln College Endowed Chair in Biomechanical and Chiropractic Research
College of Medicine

Other

2008-present Adjunct Associate Professor (volunteer)
New York Chiropractic College, Seneca Falls, NY

2002-2006 Adjunct Instructor
College of Extended Studies, San Diego State University, CA

2001-2007 Adjunct Research Associate/Professor
Department of Biology, College of Sciences, San Diego State University, CA

- 2001-2012 Director of Research
Vert Mooney Research Foundation, San Diego, CA
(previously known as US Spine & Sport Foundation)
- 1998-1999 Adjunct Instructor
Department of Exercise Science, School of Education, Syracuse University, NY
- 1998-1999 Teaching Associate
Future Professoriate Program, Graduate School, Syracuse University, NY
- 1997-1999 Research/Teaching Assistant
Department of Exercise Science, School of Education, Syracuse University, NY
- 1991-2007 Chiropractic Clinician
Various multidisciplinary, outpatient, physical rehabilitation centers
Rochester, NY (sole proprietor) and San Diego, CA (Spine & Sport)
- 1989-1990 Physical Therapy Aide
Good Samaritan Hospital, Downers Grove, IL

Peer Reviewed Publications:

Book Chapters

1. Mayer JM, Haldeman S. Complementary and alternative medicine. in *Neuropathic Pain: Mechanisms, Diagnosis and Treatment*, editors: Simpson D, McArthur J, Dworkin B. Oxford University Press, New York. 2012.
2. Dagenais S, Mayer JM. Lumbar stabilization exercises. in *Evidence-Based Management of Low Back Pain*. editors: Dagenais S, Haldeman S, Elsevier, St. Louis. 2011.
3. Mayer JM, Mooney V, Dagenais S. Lumbar extensor strengthening exercises. in *Evidence-Based Management of Low Back Pain*. editors: Dagenais S, Haldeman S, Elsevier, St. Louis. 2011.
4. Dagenais S, Mayer J, Haldeman S, Borg-Stein. Prolotherapy. in *Evidence-Based Management of Low Back Pain*. editors: Dagenais S, Haldeman S, Elsevier, St. Louis. 2011.
5. Dagenais S, Mayer J, Haldeman S. Medicine-assisted manipulation. in *Evidence-Based Management of Low Back Pain*. editors: Dagenais S, Haldeman S, Elsevier, St. Louis. 2011.
6. Mayer JM, Udermann BE. Chapter 1: Anatomy and biomechanics. in *American College of Sport Medicine's Certification Review*, 3rd edition. editor: American College of Sport Medicine. Lippincott Williams & Wilkins, Baltimore, 2009.
7. Mayer JM. Chapter 10: Anatomy, kinesiology, and biomechanics. in *American College of Sport Medicine's Resources for the Personal Trainer*, 2nd Edition. editor: Baldwin K. Lippincott Williams & Wilkins, Baltimore, 2006.
8. Graves JE, Mayer JM, Dreisinger T, Mooney V. Chapter 19: Resistance training for low back pain and dysfunction. in *Resistance Training for Health, Disease Prevention, and Rehabilitation*. editors: Graves JE, Franklin B. Human Kinetics, Champaign, IL, 2001
9. Graves JE, Mayer JM. Chapter 11: Considerations for the development of back extensor muscle strength. in *Exercise Prescription and the Back*. editor: Liemohn W. McGraw-Hill, New York, 2001.

Articles (refereed)

1. Mayer JM, Nuzzo J, Dagenais S. Use of participant focus groups to identify barriers and facilitators to worksite exercise therapy adherence in randomized controlled trials involving firefighters. *Patient Preference and Adherence* (accepted for publication).

2. Mayer JM, Graves JE, Manini TM, Nuzzo JL, Ploutz-Snyder LL. Lumbar muscle activity during common lifts: a preliminary study using magnetic resonance imaging. *Journal of Applied Biomechanics* (accepted for publication).
3. Verna JL, Matheson LN, Gables S, Hause R, Mayer JM. Development and reliability testing of Spanish language and English language versions of the Multidimensional Task Ability Profile. *Journal of Occupational Rehabilitation* (accepted for publication).
4. Nuzzo JN, Mayer JM. Body mass normalisation for ultrasound measurements of lumbar multifidus and abdominal muscle size. *Manual Therapy* (accepted for publication).
5. Nuzzo JN, Mayer JM. Body mass normalization for isometric tests of muscle endurance. *Journal of Strength and Conditioning Research* (accepted for publication).
6. Mayer JM, Nuzzo J, Chen R, Quillen WS, Verna JL, Miro R, Dagenais S. Impact of obesity on back and core muscular endurance in firefighters. *Journal of Obesity* 2012;729283:1-7.
7. Dagenais S, Gay R, Tricco A, Freeman MD, Mayer JM. North American Spine Society contemporary concepts in spine care: spinal manipulation therapy for acute low back pain. *The Spine Journal* 2010;10(10):918-40.
8. Pettitt RW, Udermann BE, Reineke RM, Wright GA, Battista RA, Mayer JM, Murray SR. Time-course of DOMS evoked by three intensities of lumbar eccentric exercise. *Athletic Training & Sports Health Care* 2010;4(2):171-6.
9. Mooney V, Matheson L, Verna J, Leggett S, Dreisinger T, Mayer JM. Performance-integrated self-report measurement of physical ability. *The Spine Journal* 2010;10(5):433-40.
10. Schmader KE, Baron R, Mayer JM, O'Connor A, Rice ASC, Stacey B. Treatment considerations for elderly and frail patients with neuropathic pain. *Mayo Clinic Proceedings* 2010;85(3):S26-33.
11. Dworkin RH, Kent J, O'Connor A, Audette J, Baron R, Gourlay G, Haanpää M, Krane E, LeBel AA, Levy RM, Mackey S, Mayer JM, Miaskowski C, Raja SN, Rice ASC, Schmader K, Stacey B, Stanos S, Treede RD, Turk DC, Walco G, Wells C. Recommendations for the pharmacological management of neuropathic pain: an overview and literature update. *Mayo Clinic Proceedings*, 2010;85(3):S3-14.
12. Mayer JM, Haldeman S, Tricco A, Dagenais S. Management of chronic low back pain in active individuals. *Current Sports Medicine Reports*, 2010;9(1):60-6.
13. Dagenais S, Wooley J, Hite M, Green R, Mayer JM. Acute toxicity evaluation of Proliferol: a dose-escalating, placebo-controlled study in swine. *International Journal of Toxicology*, 2009;28(3):219-29.
14. Matheson L, Mayer JM, Mooney V, Sarkin A, Dreisinger T, Verna J, Leggett S. A method to provide a more efficient and reliable measure of self-report physical work capacity for patients with spinal pain. *Journal of Occupational Rehabilitation*, 2008;18(1):46-57.
15. Dagenais S, Mayer JM, Haldeman S, Borg-Stein J. Evidence informed management of chronic low back pain with intraligamentous injections of sclerosing solutions (prolotherapy). *The Spine Journal*, 2008;8:203-12.
16. Dagenais S, Mayer JM, Haldeman S. Evidence informed management of chronic low back pain with medication-assisted manipulation. *The Spine Journal*, 2008;8:142-9.
17. Mayer JM, Mooney V, Dagenais S. Evidence informed management of chronic low back pain with lumbar extensor strengthening exercises. *The Spine Journal*, 2008;8:96-113.
18. Mooney V, Mayer JM, Woodbridge D. Adolescent scoliosis: exercise therapy may help correct the condition. *Consultant for Pediatricians*, 2007;6(9):509-11.
19. Dagenais S, Mayer JM, Wooley J, Haldeman S. Acute toxicity evaluation of Proliferol: a dose-escalating, placebo-controlled study in rats. *International Journal of Toxicology*, 2007;26(5):451-63.
20. Mooney V, Mayer JM, Woodbridge D. Exercise for managing adolescent scoliosis. *Journal of Musculoskeletal Medicine*, 2007;24(3):107-15.

21. Mayer JM, Mooney V, Matheson LN, Erasala GN, Verna JL, Udermann BE, Leggett S. Continuous low-level heat wrap therapy for the prevention and early phase treatment of delayed onset muscle soreness of the low back: a randomized controlled trial. *Archives of Physical Medicine and Rehabilitation*, 2006;87(10):1310-7.
22. Udermann BE, Reineke RM, Mayer JM, Murray SR, Martinez RD, Gibson MH, Gillette CM, Doberstein S. The effect of resistance training on lumbar muscular strength and endurance. *Gundersen Lutheran Medical Journal*, 2006;4(1):8-13.
23. Hager SM, Udermann BE, Reineke DM, Gibson MH, Murray SR, Mayer JM. Quantification of lumbar endurance on a Backup lumbar extension dynamometer. *Journal of Sports Science & Medicine*, 2006;5(4):656-61.
24. Mayer JM, Graves JE, Clark BC, Formikell M, Ploutz-Snyder LL. The use of magnetic resonance imaging to evaluate lumbar muscle activity during trunk extension exercise at various intensities. *Spine*, 2005;30(22):2256-63.
25. Mayer JM, Ralph L, Look M, Erasala GN, Verna JL, Matheson LN, Mooney V. Treating acute low back pain with continuous low-level heat wrap therapy and/or exercise: a randomized controlled trial. *The Spine Journal* 2005;5(4):395-403.
26. Manini T, Sagendorf K, Mayer JM, Ploutz-Snyder LL. Trunk extensor muscle function in young and old women: a pilot study. *Journal of Back and Musculoskeletal Rehabilitation*, 2005;18(1/2):5-13.
27. Udermann BE, Cavanaugh D, Gibson M, Doberstein S, Mayer JM, Murray S. Slipping rib syndrome in a collegiate swimmer: a case report. *Journal of Athletic Training*, 2005;40(2):120-2.
28. Mayer JM, Mooney V, Matheson LN, Leggett S, Verna JL, Balourdas G, DeFilippo G. The reliability and validity of a new computerized pictorial activity and task sort. *Journal of Occupational Rehabilitation*, 2005;15(2):185-95.
29. Udermann BE, Donelson RG, Mayer JM, Graves JE, Tillotson J. Can a patient educational booklet change behavior and reduce pain in low back pain patients? *The Spine Journal*, 2004;4(4):425-35.
30. Udermann BE, Murray S, Mayer JM, Sagendorf K. Quantification of isometric lumbar extension strength using a Backup dynamometer. *Research Quarterly for Exercise & Sport*, 2004;75(4):434-9.
31. San Juan JG, Yaggie JA, Levy S, Mooney V, Udermann BE, Mayer JM. Effects of pelvic stabilization on lumbar muscle activity during dynamic exercise. *Journal of Strength and Conditioning Research*, 2005;19(4):903-7.
32. Udermann BE, Murray SR, Mayer JM. Influence of cup stacking on hand-eye coordination and reaction time of second-grade students. *Journal of Perceptual and Motor Skills*, 2004;98(2):409-14.
33. Udermann BE, Mayer JM, Donelson RG, Graves JE, Murray SR. Combining lumbar extension training with McKenzie therapy: effects on pain, disability, and psychosocial functioning in chronic low back pain patients. *Gundersen Lutheran Medical Journal*, 2004;3(1):7-12.
34. Udermann BE, Mayer JM, Ploutz-Snyder LL, Graves JE. Quantitative assessment of lumbar paraspinal muscular endurance. *Journal of Athletic Training*, 2003;38(3):259-62.
35. Mayer JM, Ploutz-Snyder LL, Graves JE, Udermann BE, Verna JL, Miller J, Druger M. Exercise therapy for low back pain: chiropractors' patterns of use and perceptions of educational quality. *Journal of Chiropractic Education*, 2003;17(2):105-12.
36. Mayer JM, Udermann BE, Graves JE, Ploutz-Snyder LL. Effect of Roman chair exercise training on the development of lumbar extension strength. *Journal of Strength and Conditioning Research*, 2003;17(2):356-61.
37. Clark BC, Manini TM, Mayer JM, Ploutz-Snyder LL, Graves JE. Electromyographic activity of the lumbar and hip extensors during dynamic trunk extension exercise. *Archives of Physical*

- Medicine and Rehabilitation, 2002;83(11):1547-52.
38. Mayer JM, Verna JL, Manini T, Mooney V, Graves JE. Electromyographic activity of the trunk extensor muscles: effect of varying hip position and lumbar posture during Roman chair exercise. Archives of Physical Medicine and Rehabilitation, 2002;83(11):1543-6.
 39. Mayer JM, Graves JE, Udermann BE, Ploutz-Snyder LL. Quantification of the loading characteristics of the upper body and lumbar extension strength on a variable angle Roman chair. Journal of Back and Musculoskeletal Rehabilitation, 2002;16(2):95-104.
 40. Verna JL, Mayer JM, Mooney V, Pierra EA, Robertson VL, Graves JE. Back extension endurance and strength: effect of variable angle Roman chair exercise training. Spine, 2002;27(16):1797-801.
 41. Matheson LN, Leggett S, Mooney V, Schneider K, Mayer JM. The contribution of aerobic fitness and back strength to lift capacity. Spine, 2002;27(11):1208-12.
 42. Udermann BE, Graves JE, Mayer JM, Ploutz-Snyder LL. Development of an exercise protocol to elicit delayed onset muscle soreness in the lumbar extensors. International Sports Journal, 2002;6(2):128-35.
 43. Mayer JM, Graves JE, Udermann BE, Ploutz-Snyder LL. Development of lumbar extension strength: effect of pelvic stabilization during training. Journal of Back and Musculoskeletal Rehabilitation, 2002;16(1):25-31.
 44. Udermann BE, Mayer JM, Ploutz-Snyder LL, Graves JE. Inter-investigator variability during isometric lumbar extension dynamometry. International Sports Journal, 2001;5(2):118-22.
 45. Udermann BE, Mayer JM. Efficacy of low back pain educational programs: a critical review. International Sports Journal, 2000;4:129-38.
 46. Mayer JM, Druger M, Ploutz-Snyder R. The quality of chiropractic college education: a survey of practicing chiropractors. Journal of Chiropractic Education, 1999;13(2):131-6.
 47. Mayer JM, Graves JE, Verna JL, Pierra EA, Robertson VL, Ploutz-Snyder LL. Electromyographic activity of the lumbar extensor muscles: effect of angle and hand position during Roman chair exercise. Archives of Physical Medicine and Rehabilitation, 1999;80:751-5.

Published Abstracts of Peer Reviewed Presentations:

Plenary/Platform (refereed - with concurrent published abstract)

1. Mayer JM, Haldeman S. Complementary and alternative medicine for neuropathic pain: a literature review. Association of Chiropractic Colleges - Research Agenda Conference. Las Vegas, NV, March 2011.
2. Verna J, Mooney V, Stowell C, Parker R, Mayer JM. Back muscle strength, endurance, and flexibility characteristics of firefighters. Interdisciplinary World Congress on Low Back & Pelvic Pain. Los Angeles, CA, November 2010.
3. Mayer JM. Stabilization exercise. in educational session: Evidence-informed management of low back pain (Quillen WS - session director). Combined Sections Meeting - American Physical Therapy Association. San Diego, CA, February 2010.
4. Mayer JM. Strengthening exercise. in educational session: Evidence-informed management of low back pain (Quillen WS - session director). Combined Sections Meeting - American Physical Therapy Association. San Diego, CA, February 2010.
5. Mayer JM. Surgery. in educational session: Evidence-informed management of low back pain (Quillen WS - session director). Combined Sections Meeting - American Physical Therapy Association. San Diego, CA, February 2010.
6. Mayer JM. Manipulation. in educational session: Evidence-informed management of low back pain (Quillen WS - session director). Combined Sections Meeting - American Physical Therapy Association. San Diego, CA, February 2010.
7. Mooney V, Dreisinger T, Raiszadeh K, Verna J, Mayer JM. Can exercise-only, protocol-driven spinal care be as effective as standard physical therapy? International Society for the

- Study of the Lumbar Spine Annual Conference, Miami, FL, May 2009.
8. Mayer JM. Lifestyle and behavior modification therapies. in concurrent session: Evidence-informed management of chronic low back pain without surgery - Part II (Gay R - session director). American Academy of Physical Medicine and Rehabilitation Annual Assembly, San Diego, CA, November 2008.
 9. Mayer JM. Complementary and alternative medicine therapies. in concurrent session: Evidence-informed management of chronic low back pain without surgery - Part I (Gay R - session director). American Academy of Physical Medicine and Rehabilitation Annual Assembly, San Diego, CA, November 2008.
 10. Mayer JM. Comparing the evidence of spinal manipulation and medically-assisted manipulation. in pre-meeting course: Evidence-informed management of chronic low back pain without surgery (Haldeman S - course chair). North American Spine Society Annual Meeting, Toronto, Canada, October 2008.
 11. Mayer JM. Comparing the evidence of lumbar strengthening and core stabilization exercises. in pre-meeting course: Evidence-informed management of chronic low back pain without surgery (Haldeman S - course chair). North American Spine Society Annual Meeting, Toronto, Canada, October 2008.
 12. Mooney V, Mayer JM. The role of exercise equipment in the treatment of chronic spinal problems. Interdisciplinary World Congress on Low Back & Pelvic Pain. Barcelona, Spain, November 2007.
 13. Mooney V, Mayer JM, Akbarnia B, Bagheri R. How and when do you measure clinical benefit after lumbar fusion surgery? Interdisciplinary World Congress on Low Back & Pelvic Pain. Barcelona, Spain, November 2007.
 14. Mayer JM, Mooney V. Treating acute low back pain with continuous low-level heat wrap therapy and/or exercise: a randomized controlled trial. Interdisciplinary World Congress on Low Back & Pelvic Pain. Barcelona, Spain, November 2007.
 15. Mooney V, Mayer JM, Verna JL, Matheson LN. Improvements in self-reported functional ability following a restorative exercise program for spinal disorders. North American Spine Society Annual Meeting, Philadelphia, PA, October 2005.
 16. Mayer JM, Mooney V, Verna JL, Logan S, Stiles B, Matheson LN. Continuous low-level heat wrap therapy for the prevention and treatment of delayed onset muscle soreness of the low back muscles. World Congress of Family Doctors, Orlando, FL, October 2004.
 17. Mooney V, Matheson LN, Mayer JM. Can disability be objectively measured without physical testing? American Orthopaedic Association Annual Convention, Charleston, SC, June 2003.
 18. Verna JL, Graves JE, Mayer JM, Mooney V. Effects of hip and torso position on trunk on lumbar extensor muscle activity. Interdisciplinary World Congress on Spinal Surgery and Related Disciplines, Berlin, Germany, August 2000.

Poster (refereed - with concurrent published abstract)

1. Mayer JM, Quillen WS, Dagenais S. Effect of worksite exercise on back and core muscular endurance in firefighters. International Society for the Study of the Lumbar Spine Annual Conference, May 2013; Scottsdale, AZ (accepted).
2. Mayer JM, Quillen WS. Effect of worksite exercise on development of back and core muscular endurance in firefighters. American Occupational Health Conference, American College of Occupational and Environmental Medicine. Orlando, FL, April 2013 (accepted).
3. Mayer JM, Chen R, Nuzzo JL, Dagenais S, Verna JL, Quillen WS. Relationship of back muscular endurance with anthropometric measures in firefighters. American College of Sports Medicine Annual Meeting. San Francisco, CA, June 2012.
4. Mayer JM, Quillen WS. Lumbar extensor strengthening exercise for chronic low back pain: a systematic review. American College of Sports Medicine Annual Meeting. Denver, CO, June 2011.

5. Mayer JM, Dreisinger T, Raiszadeh K, Mooney V. Successful spine care - minimalist approach. American Orthopaedic Association Annual Meeting, San Diego, CA, June 2010.
6. Matheson L, Mooney V, Verna J, Leggett S, Dreisinger T, Mayer JM. A bi-dimensional approach to measurement of physical function and abilities. International Society for the Study of the Lumbar Spine Annual Conference, Auckland, New Zealand, April 2010.
7. Mooney V, Dreisinger T, Raiszadeh K, Mayer J. Effective spinal rehabilitation - an uncomplicated exercise approach. International Society for the Study of the Lumbar Spine Annual Conference, Auckland, New Zealand, April 2010.
8. Mooney V, Dreisinger T, Raiszadeh K, Verna J, Mayer JM. Can exercise-only, protocol-driven spinal care be as effective as standard physical therapy? North American Spine Society Annual Meeting, San Francisco, CA, November 2009.
9. Mooney V, Woodbridge D, Mayer JM. Exercise correction of strength asymmetry and alignment in idiopathic scoliosis. North American Spine Society Annual Meeting, Toronto, Canada, October 2008.
10. Dagenais S, Mayer JM, Haldeman S, Hite M, Wooley J. Dose-escalation, placebo-controlled, acute systemic toxicity following intraligamentous lumbosacral injections in swine of a drug commonly used in prolotherapy for low back pain. North American Spine Society Annual Meeting, Toronto, Canada, October 2008.
11. Dagenais S, Mayer JM, Haldeman S, Hite M, Wooley J. Dose-escalation, placebo-controlled, local histopathology following intraligamentous lumbosacral injections in swine of a drug commonly used in prolotherapy for low back pain. American Academy of Pain Management Annual Meeting, Nashville, TN, September 2008.
12. Udermann BE, Durall CJ, Reinecke DM, Gibson BL, Gillette CM, Murray SR, Mayer JM. Ten weeks of a lumbar endurance floor exercise routine improves endurance capacity of the trunk extensors. American College of Sports Medicine Annual Meeting, Indianapolis, IN, May 2008.
13. Mayer JM, Mooney V, Verna J, Udermann BE. Lumbar paraspinal muscle activation during back extension exercise on a new home exercise device. American College of Sports Medicine Annual Meeting, Indianapolis, IN, May 2008.
14. Dagenais S, Mayer JM, Wooley J, Haldeman S. Safety and toxicity of prolotherapy for back pain. Interdisciplinary World Congress on Low Back & Pelvic Pain. Barcelona, Spain, November 2007.
15. Matheson L, Sarkin A, Mayer JM, Mooney V, Verna J, Leggett S. Calibration of the difficulty of work activities and activities of daily living for patients with spinal pain. North American Spine Society Annual Meeting, Austin, TX, October 2007.
16. Akbarnia B, Mayer JM, Bagheri R, Mooney V, Kostial P, Chen T, Hsu V. A novel instrument to assess outcomes of spinal fusion surgery. Scoliosis Research Society, International Meeting on Advanced Spinal Techniques, Bahamas, July 2007.
17. Eek B, Derby R, Mayer JM, Mooney V, Wheeler P. A novel treatment for cervicogenic headache. International Spine Intervention Society Annual Meeting, Baltimore, MD, July 2007.
18. Udermann BE, Dohlman DA, Reinecke DM, Mayer JM, Murray SR. The effect of motivation on achievement and behavior modification in a health and wellness course. American College of Sports Medicine Annual Meeting, New Orleans, LA, June 2007.
19. Mayer JM, Verna JL, Mooney V, Udermann BE. Wellness and fitness characteristics of firefighters. American College of Sports Medicine Annual Meeting, New Orleans, LA, June 2007.
20. Dagenais S, Mayer JM, Wooley J, Haldeman S. Dose-escalation, placebo-controlled acute toxicity evaluation of a drug commonly used in prolotherapy following spinal injection in rats. North American Spine Society Annual Meeting, Seattle, WA, September 2006.
21. Mayer JM, Mooney V, Verna JL, Matheson LN. How do you know when a patient is better?

- North American Spine Society Annual Meeting, Seattle, WA, September 2006.
22. Udermann BE, Reineke DM, Mayer JM, Murray SR, Battista RA, Uhrich MA. Developing delayed onset muscle soreness in the lumbar extensor muscles. American College of Sports Medicine Annual Meeting, Denver, CO, June 2006.
 23. Mayer JM, Ahlf C, Mooney V, Verna JL, Levy S, Yaggie J, Udermann BE. Factor structure of a self-report measure of functional ability. American College of Sports Medicine Annual Meeting, Denver, CO, June 2006.
 24. Mayer JM, Mooney V, Verna JL, Ralph L, Look M, Matheson LN. Combining continuous low-level heat wrap therapy with directional preference-based exercise for the treatment of acute low back pain: A randomized controlled study. McKenzie International Annual Conference, Crete, June 2005.
 25. Udermann BE, Reineke DM, Mayer JM, Murray SR, Martinez RD, Gibson MH, Gillette CM, Doberstein ST. The effect of resistance training on lumbar muscular strength and endurance. American College of Sports Medicine Annual Meeting, Nashville, TN, June 2005.
 26. Mayer JM, Udermann BE, San Juan J, Logan S, Delar-Higgins D, Verna JL, Mooney V. Improvements in self-reported functional ability of patients with musculoskeletal complaints following a restorative exercise program. American College of Sports Medicine Annual Meeting, Nashville, TN, June 2005.
 27. Mayer JM, Mooney V. Assessing functional outcomes with a new self-report measure: The Multidimensional Task Ability Profile. International Society for the Study of the Lumbar Spine Annual Conference, New York, NY, May 2005.
 28. Mooney V, Mayer JM. Can exercise be made more effective with passive modalities? International Society for the Study of the Lumbar Spine Annual Conference, New York, NY, May 2005.
 29. Udermann BE, Murray S, Mayer JM. The influence of cup stacking on hand-eye coordination and reaction time of second-grade students. American Alliance for Health Physical Education Recreation and Dance National Convention, New Orleans, LA, March 2004.
 30. Mayer JM, Mooney V, Delar-Higgins D. Development of a computerized measure of perceived ability. North American Spine Society Annual Meeting, San Diego, CA, October 2003.
 31. Mayer JM, Mooney V. Measurement-guided postural exercise for spinal disorders. Second Interdisciplinary Congress on Spine Care: World Spine II, Chicago IL, August 2003.
 32. Udermann BE, Doberstein ST, Mayer JM. Dermatological condition in a college gymnast. National Athletic Training Association Annual Meeting, St. Louis, MO, June 2003.
 33. Mayer JM, Mooney V, Verna JL, Matheson LN. Reliability and validity of the Multidimensional Task Ability Profile. International Society for the Study of the Lumbar Spine Annual Conference, Vancouver, Canada, May 2003.
 34. Udermann BE, Doberstein ST, Mayer JM, Murray SM. Wrist injury - football. American College of Sports Medicine Annual Meeting, San Francisco, CA, May 2003.
 35. Mayer JM, Mooney V, Verna JL, Udermann BE, Matheson LN. Reliability and validity of the Multidimensional Task Ability Profile. American College of Sports Medicine Annual Meeting, San Francisco, CA, May 2003.
 36. Udermann BE, Mayer JM, Murray SR, Babbel DM. Quantification of isometric lumbar extension strength using a Backup lumbar extension dynamometer. American College of Sports Medicine Annual Meeting, Baltimore, MD, June 2001.
 37. Ploutz-Snyder LL, Mayer JM, Caruso R, Formikell M, Graves JE. The use of magnetic resonance imaging to evaluate lumbar muscle activity during Roman chair exercise. American College of Sports Medicine Annual Meeting, Baltimore, MD, June 2001.
 38. Mayer JM, Ploutz-Snyder LL, Caruso R, Formikell M, Graves JE. The use of magnetic

- resonance imaging to evaluate lumbar muscle activity during symmetric and asymmetric lifts. American College of Sports Medicine Annual Meeting, Baltimore, MD, June 2001.
39. Clark BC, Manini TM, Mayer JM, Ploutz-Snyder LL, Graves JE. Lumbar extensor muscle recruitment as assessed by EMG during variable angle Roman chair exercise at varying intensities. American College of Sports Medicine Annual Meeting, Baltimore, MD, June 2001.
 40. Udermann B, Donelson R, Mayer JM, Graves J, Tillotson J. Eighteen-month follow-up: Can an educational booklet change behavior and pain in low back pain patients? International Society for the Study of the Lumbar Spine Annual Conference, Edinburgh, Scotland, May 2001.
 41. Udermann B, Donelson R, Mayer JM, Graves J, Tillotson J. Can an educational booklet change behavior and pain in low back pain patients? National Athletic Training Association Annual Meeting, Nashville, TN, June 2000.
 42. Udermann B, Donelson R, Graves J, Mayer JM. The effect of McKenzie therapy and lumbar strengthening exercises on physiological and quality of life measures in patients with low back pain. American College of Sports Medicine Annual Meeting, Indianapolis, IN, June 2000.
 43. Sagendorf KS, Mayer JM, Manini TM, Graves JE, Ploutz-Snyder LL. Low back strength and endurance characteristics and age. American College of Sports Medicine Annual Meeting, Indianapolis, IN, June 2000.
 44. Mayer JM, Graves JE, Udermann BE, Ploutz-Snyder LL. Quantification of upper body mass and lumbar extension strength using a variable angle Roman chair. American College of Sports Medicine Annual Meeting, Indianapolis, IN, June 2000.
 45. Manini TM, Mayer JM, Sagendorf KS, Graves JE, Ploutz-Snyder LL. Ratio of leg to back isometric torque changes with age. American College of Sports Medicine Annual Meeting, Indianapolis, IN, June 2000.
 46. Bulbulian R, Seaman D, Mayer JM, Burke J. Shoulder and trunk EMG during a modified golf swing: Sparing the spine. 5th Congress of the World Federation of Chiropractic, Auckland NZ, May 1999.
 47. Udermann BE, Mayer JM, Ploutz-Snyder LL, Graves JE. Quantitative assessment of lumbar paraspinal muscular endurance. American College of Sports Medicine Annual Meeting, Orlando, FL, June 1998.
 48. Mayer JM, Graves JE, Li YH, Ploutz-Snyder LL. Specificity of training and the development of lumbar extension strength. American College of Sports Medicine Annual Meeting, Orlando FL, June 1998.
 49. Li YH, Ploutz-Snyder LL, Graves JE, Mayer JM. Neuromuscular adaptations to lumbar extension strength gain. American College of Sports Medicine Annual Meeting, Orlando, FL, June 1998.
 50. Udermann BE, Graves JE, Reider LR, Mayer JM, Li YH, King GH, Hill CW. Evaluation of three protocols to elicit delayed onset muscle soreness in the lumbar extensor muscles. American College of Sports Medicine Annual Meeting, Denver, CO, June 1997.

Peer Reviewed Scientific and Professional Presentations (those not previously cited above under abstracts):

Plenary/Platform (invited)

1. Mayer JM. Exercise options in chronic low back pain. The 9th Annual Sarasota Winter Pain Symposium, Sarasota, FL, February 2013 (accepted).
2. Mayer JM. What other health professionals learn about chiropractic. FCA National Convention, Orlando, FL, August 2012.

3. Mayer JM. Improving back muscular endurance and core stability in firefighters: a randomized trial - preliminary findings. FEMA Assistance to Firefighters Grants Research & Development Annual Meeting, Denver, CO, August 2012.
4. Mayer JM. Therapeutic exercise. in plenary session: Shared decision making and informed consent for people with spinal disorders (Dagenais S, Haldeman S, Mayer JM). FCA National Convention, Orlando, FL, August 2011.
5. Mayer JM. Spinal manipulation and modalities. in plenary session: Shared decision making and informed consent for people with spinal disorders (Dagenais S, Haldeman S, Mayer JM). FCA National Convention, Orlando, FL, August 2011.
6. Mayer JM. Improving back muscle endurance and core stability in firefighters: a randomized trial. FEMA Assistance to Firefighters Grants Research & Development Annual Meeting, New York, NY, August 2011.
7. Mayer JM. Exercise therapy for low back pain: a review of the evidence. Veterans Health Administration, Chiropractic Service 6th Annual Meeting. Las Vegas, NV, March 2011.
8. Mayer JM, Dagenais S; Keynote presentation - Evidence based management of low back pain. New York Chiropractic College Annual Research Symposium, Seneca Falls, NY, January 2011.
9. Mayer JM. Low back injury prevention in firefighters. FEMA Assistance to Firefighters Grants Research & Development Annual Meeting, Chicago, IL, August 2010.
10. Mayer JM. Evidence-based management of low back pain in older adults. 12th Annual USF Geriatrics Institute, Tampa, FL, June 2010.
11. Mayer JM. Benefits - low back pain - manual and physiotherapies. in plenary session: Requirements of a spine care super specialist (Haldeman S, Dagenais S, Mayer JM). FCA National Convention, Orlando, FL, August 2009.
12. Mayer JM. Risks - low back pain - manual and physiotherapies. in plenary session: Requirements of a spine care super specialist (Haldeman S, Dagenais S, Mayer JM). FCA National Convention, Orlando, FL, August 2009.
13. Mayer JM. Firefighter wellness and fitness: current understanding and future directions. Annual Firefighter Health and Safety Conference, Orlando, FL, December 2008.
14. Mayer JM, Dagenais S. Acute local and systemic toxicity of Proliferol (P2G) injections in a porcine model: a placebo controlled study and associated regulatory issues. 4th Annual Prolotherapy Research Forum, University of Wisconsin, School of Medicine and Public Health, Madison, WI, October 2008.
15. Mayer JM. Manual and exercise therapies. in plenary session: Evidence-informed management of chronic low back pain (Mayer JM - session director). FCA National Convention, Orlando, FL, August 2008.
16. Mayer JM. How does chiropractic work, scientifically? in breakout session: Chiropractic care (Frawley M - session director). Florida Workers' Compensation Institute Annual Educational Conference, Orlando, FL, August 2008.
17. Mayer JM. Strengthening for prevention and treatment of spinal athletic injuries. American Chiropractic Association Sports Council Annual Conference, St. Louis, MO, July 2008.
18. Mayer JM. Lumbar extensor strengthening exercises. in pre-course workshop: Evidence-informed management of chronic low back pain without surgery (Haldeman S - workshop director). American Back Society Annual Conference, Las Vegas, NV, June 2008.
19. Mayer JM. Physical modalities. in pre-course workshop: Evidence-informed management of chronic low back pain without surgery (Haldeman S - workshop director). American Back Society Annual Conference, Las Vegas, NV, June 2008.
20. Mayer JM, Haldeman S. Management of neuropathic pain with manipulation and mobilization. Treatment guidelines consensus meeting: non-pharmacologic, non-interventional treatment of neuropathic pain. Special Interest Group on Neuropathic Pain, International Association for the Study of Pain. Tampa, FL, May 2008.

21. Mayer JM. Lumbar extensor strengthening exercises. in concurrent session: Evidence-informed management of chronic low back pain without surgery (Dagenais S - session director). Association of Chiropractic Colleges - Research Agenda Conference, Washington, DC, March 2008.
22. Mayer JM. Physical modalities. in concurrent session: Evidence-informed management of chronic low back pain without surgery (Dagenais S - session director). Association of Chiropractic Colleges - Research Agenda Conference, Washington, DC, March 2008.
23. Mayer JM. Heat, physical, and chiropractic therapies for low back pain. GlaxoSmithKline Consumer Healthcare Back Pain Scientific Session, Parsippany, NJ, October 2007.
24. Mayer JM. Acute toxicity of Proliferol in rats. 3rd Annual Prolotherapy Research Forum, University of Wisconsin, School of Medicine and Public Health, Madison, WI, October 2007.
25. Mayer JM. Measuring core stability, strength, and endurance with dynamometric and non-dynamometric means. in mini-symposium: Quantifying core stability (Liemohn W - symposium director). American College of Sports Medicine Annual Meeting, Indianapolis, IN, June 2004.
26. Mooney V, Mayer JM. Can true function and disability be measured by a single test? American Academy of Minimally Invasive Spinal Surgery and Medicine Fourth Global Congress, Thousand Oaks, CA, November 2003.
27. Mayer JM. Assessment of perceived functional ability. American Kinesiotherapy Association Annual Conference, San Diego, CA, July 2003.
28. Mayer JM. Non-radiographic postural assessment. Spine & Sport Annual Symposium, La Jolla, CA, October 2002.
29. Mooney V, Mayer JM. The Multidimensional Task Ability Profile. Disability and Impairments Committee, International Association of Industrial Accidents Boards and Commissions Annual Convention, Detroit, MI, September 2002.

Non-Peer Reviewed Publications:

Articles

1. Mayer JM. Does maintenance spinal manipulation therapy offer additional benefits for patients with chronic low back pain? *FCA Journal*, 2013;January (accepted for publication).
2. Mayer JM. Bronfort receives 2012 Lincoln Research Prize. *FCA Journal*, 2012;October:40-1.
3. Mayer JM, Nuzzo JN. Worksite exercise improves back and core muscular endurance in firefighters. *Firework*, 2012;1(45):3,9.
4. Mayer JM. Dr. Haldeman presents inaugural distinguished lecture in USF International series. *FCA Journal*, 2012;January:23-4.
5. Mayer JM. Dr. Haldeman receives inaugural Lincoln Research Prize. *FCA Journal*, 2011;October:14-6.
6. Mayer JM. Lincoln Endowed Chair in Chiropractic Research - Annual Update 2011. *FCA Journal*, 2011;July:15-6.
7. Mayer JM. What is the safest way to lift? *FCA Journal*, 2011;January:21-2.
8. Verna J, Stowell S, Parker R, Duran A, Mayer JM. Firefighters & back injuries: the new study. Published by *Firefighter Magazine* online November 3, 2010 at: <http://my.firefighternation.com/profiles/blogs/firefighters-amp-back-injuries>.
9. Mayer JM. Spinal manipulation therapy for acute low back pain: summary of findings from the North American Spine Society contemporary concepts in spine care. *FCA Journal*, 2010;October:28-9.
10. Verna J, Mooney V, Stowell C, Parker R, Mayer JM. Back muscle strength, endurance, and flexibility characteristics of firefighters. Proceedings of the 7th Interdisciplinary World Congress on Low Back & Pelvic Pain; 2010.
11. Mayer JM. Complementary and alternative medicine for neuropathic pain. *FCA Journal*, 2010;July:30-1.

12. Mayer JM. Diagnostic imaging and discography for low back pain: are these procedures safe and do they improve outcomes? FCA Journal, 2010;January:46-7.
13. Mayer JM. Therapeutic exercises for back and neck pain - which exercise is the most appropriate? FCA Journal, 2009;April:26-8.
14. Mayer JM. Core principles and components of exercise prescription. FCA Journal, 2009;January:17-8.
15. Mayer JM. Research sidebar: Focused exercise may help correct strength asymmetry and spinal alignment in idiopathic scoliosis. FCA Journal, 2008;October:26.
16. Mayer JM. Lincoln Chair: one year update, FCA Journal, 2008;October:25-26.
17. Mayer JM. Research sidebar: How to assess outcomes in chiropractic clinical care and research. FCA Journal, 2008;July:31.
18. Mayer JM. Improving the health and safety of fire fighters through wellness-fitness initiatives. FCA Journal, 2008;July:30-2.
19. Mayer JM. Evidence-informed management of chronic low back pain without surgery. FCA Journal, 2008;April:24.
20. Mayer JM. Research sidebar: For treating acute low back pain, is a McKenzie-style exercise program enhanced by adding low-level heat wrap therapy? FCA Journal, 2008;January:13.
21. Mayer JM. Advancing chiropractic through research. Florida Chiropractic Association (FCA) Journal, 2008;January:12-3.
22. Mayer JM. Low level heat wrap therapy can minimize back pain from exercise. www.Spine-Health.com, March 2007.
23. Dagenais S, Derby R, Dorman T, Foster M, Haldeman S, Linetsky F, Mayer J, Mooney V. Roundtable discussion: Prolotherapy. SpineLine, 2006;September/October:30-5.
24. Casuga N, Shahidi B, Mayer JM, Lohman EB. Trunk and lower extremity muscle activity in multiple planes of motion using surface electromyography. Doctor of Physical Therapy Research Reports 2003, Loma Linda University, School of Allied Health Professions, 2003:37-53.
25. Mayer JM. Lumbar musculature and exercise. Doctoral Dissertation - Syracuse University. Published by UMI ProQuest, Ann Arbor MI, 2000, 180 pages, publication number AAT 3009870.

Technical Reports

1. Mayer JM. Assessment of the MedX home exercise device; submitted to sponsor (MedX Corp) on November 21, 2012.
2. Mayer JM, Eek BJ, Mooney V, Derby R, Dagenais S, Wheeler P. Injection of disc restorative solution for discogenic headache - a retrospective case series; submitted to sponsor (US Spine & Sport Foundation) on November 26, 2008.
3. Mayer JM, Mooney V. Surface electromyographic analysis of the trunk muscles during dynamic exercise on a new medical device for home low back exercise; submitted to sponsor (MedX Corp) on December 11, 2006.
4. Mayer JM, Wooley J, Dagenais S. Double-blind, placebo controlled, randomized, cross-over study evaluating the efficacy of oral cat's claw supplementation on endurance performance of experienced cyclists; submitted to sponsor (CAM Research Institute) and donor (Michael Markus) in November 2006.
5. Mayer JM, Harris D. San Diego Firefighter's Regional Wellness Center (FEMA award) - Year 1 Summary Report 2005; submitted to City of San Diego in May 2006.
6. Mayer JM, Hollingsworth H, Leggett S, Logan S, Look M, Matheson L, Ralph R, Verna J, Mooney V. Continuous low level heat wrap therapy alone and combined with active exercise for acute low back pain: effect on functional ability; submitted to sponsor (The Procter & Gamble Company) on September 17, 2004.

7. Mayer JM, Hollingsworth H, Leggett S, Logan S, Matheson L, Stiles B, Verna J, Mooney V. Continuous low level heat wrap therapy for the prevention and treatment of exercise-induced delayed onset muscle soreness of the low back muscles; submitted to sponsor (The Procter & Gamble Company) on June 23, 2004.

Other Scholarly Publications (clinical procedure manuals)

1. Mooney V, Leggett S, Verna JL, DeFilippo G, Nadeau B, Mayer JM. *Clinical Guidelines: Post-Surgical Rehabilitation for the Thoraco-Lumbar Spine: Intradiscal Electrothermal Therapy*. Measurement Driven Rehabilitation Systems, San Diego CA, 2000 (clinical procedure manual).
2. Mooney V, Leggett S, Verna JL, DeFilippo G, Nadeau B, Mayer JM. *Clinical Guidelines: Post-Surgical Rehabilitation for the Thoraco-Lumbar Spine: Selective Endoscopic Discectomy*. Measurement Driven Rehabilitation Systems, San Diego CA, 2000.

Software

1. Matheson LN, Mayer JM, Mooney V, Verna JL, Leggett S, Dreisinger T. The *Multidimensional Task Ability Profile (MTAP)* - software versions 1.1-2.1: computerized patient-reported outcome instruments (pictorial activity and task sorts) to assess physical functioning. Copyright 2003-2013; Vert Mooney Research Foundation, San Diego CA.

Non-Peer Reviewed Presentations:

Plenary/Platform

1. Mayer JM. Neuromusculoskeletal research initiatives at the University of South Florida. Annual Joint Meeting of the Hillsborough County and Pinellas County Chiropractic Societies, Tampa, FL, October 2012 (invited).
2. Edgeworth R, Mayer JM. Conservative management of low back pain: physical therapy interventions for the neurosurgical candidate. University of South Florida, Department of Neurosurgery and Brain Repair, Grand Rounds Conference, Tampa, FL, October 2011 (invited).
3. Mayer JM. Strength training for optimal health, disease prevention, and treatment. Pinellas County Chiropractic Society Monthly Meeting, St. Petersburg, FL, September 2010 (invited).
4. Mayer JM. General overview of the evidence from clinical practice guidelines for low back pain including strengthening & stabilizing exercises with emphasis on functional improvement. Utilization Reviewers' Monthly Meeting, State Compensation Insurance Fund of California. March 17, 2010 (invited tele-presentation).
5. Mayer JM, Quillen WS. The burden of musculoskeletal disease. Grand Rounds, Department of Internal Medicine, College of Medicine, University of South Florida, Tampa, FL, February 2009 (invited).
6. Mayer JM. Chiropractic from a scientific standpoint. in CEU course for case managers: Chiropractic care (Wasserman A - course director). Heritage Summit HealthCare, Lakeland, FL, July 2008 (invited).
7. Mayer JM. Evidence-informed management of low back pain with exercise therapy. James A. Haley Veteran's Hospital, Tampa, FL, April 2008 (invited).
8. Mayer JM. Quantification of upper body mass and lumbar extension strength using a variable angle Roman chair: Reliability and validity. Central NY Exercise Science Research Symposium, Cortland, NY, April 1999.
9. Mayer JM. Effect of angle and arm position on lumbar muscle activity during Roman chair exercise. Central NY Exercise Science Research Symposium, Ithaca, NY, April 1998.
10. Mayer JM. The effect of pelvic stabilization during resistance training on lumbar strength and EMG activity. Central NY Exercise Science Research Symposium, Syracuse, NY, April 1997.

11. Mayer JM. Effect of specific lumbar training on EMG activity of the lumbar, gluteal, and hamstring muscles. Central NY Exercise Science Research Symposium, Cortland, NY, April 1996.

Poster

1. Libous J, Dagenais S, Quillen WS, Mayer JM. Assessment of barriers and facilitators to worksite exercise in firefighters. University of South Florida Health Research Day. Tampa, FL, February 2013 (accepted).
2. Quillen WS, Pignataro R, Mayer JM. Reducing the burden of musculoskeletal disease and disability: a global initiative. Showcase of University of South Florida Global Health. Tampa, FL, October 2012.
3. Nuzzo JL, Quillen WS, Mayer JM. Relationship between trunk muscular endurance and anthropometric measures in firefighters. University of South Florida Health Research Day. Tampa, FL, February 2012.
4. Pierra EA, Verna JL, Mayer JM. Development of lumbar extensor endurance following variable angle Roman chair exercise training. American Back Society Annual Conference, Vancouver, Canada, December 2000.

Funded/In Review Grant Activity:

Co-Director; Interdisciplinary Center for Neuromusculoskeletal Research; State of Florida - Education and General; non-refereed; \$500,000 (annually recurring); July 2012-present.

Project Leader and Co-Principal Investigator (PI: Quillen WS); Reduction of risk for low back injury in theater of operations; US Department of Defense, Congressionally-Directed Medical Research Program (10193004); non-refereed; \$715,256 (\$488,140 direct, \$227,152 indirect); September 30, 2011-August 29, 2013.

Principal Investigator (PI: Mayer JM); Low back injury prevention in firefighters. US Department of Homeland Security, Federal Emergency Management Agency, Fire Prevention and Safety Grants (EMW-2009-FP-00418); refereed; \$701,173 (\$487,860 direct, \$213,313 indirect); April 30, 2010 - October 29, 2012.

Lincoln Endowed Research Chair; Research operations support; Florida Chiropractic Education and Research Foundation; non-refereed; \$200,000 (\$40,000 annual disbursement); 2007-present.

Principal Investigator (PI: Mayer JM); Disc restorative solution for discogenic headache - a retrospective case series; US Spine & Sport Foundation (0800001269102; USF award #: 61401006); non-refereed; \$8,004 (\$6,253 direct, \$1,751 indirect); 2008-2009.

Principal Investigator (PI: Mayer JM); A pilot study evaluate the efficacy and safety of a novel topical cream to relieve acute low back pain; Johnson & Johnson Inc (BGYPAL2001; USF award #: 61401009); non-refereed; \$136,880 (\$107,780 direct, \$29,100 indirect) (\$54,752 contractually-guaranteed distribution); 2008-2009.

Recipient (PI: not applicable); lumbar and cervical exercise testing and training equipment; MedX Corp; non-refereed; gift-in-kind equipment: \$66,390; 2008.

Principal Investigator (PI: Mayer JM); Surface electromyographic analysis of the trunk muscles during dynamic exercise on a new medical device for home low back exercise; MedX Corp; non-refereed; \$10,000; 2006-2007.

Principal Investigator (PI: Mayer JM); i) Complications of cervical injection procedures.
ii) Doctors' and patients' perceptions of outcomes of treatment for spinal disorders; NCMIC Inc; non-refereed; \$18,000; 2006-2007.

Principal Investigator (PI: Mayer JM); Double-blind, placebo controlled, randomized, cross-over study evaluating the efficacy of oral cat's claw supplementation on endurance performance of experienced cyclists; CAM Research Institute / Michael Markus; non-refereed; \$66,200; 2006.

Principal Investigator - recipient of award (Mentors: Mooney V, Matheson L); Medical rehabilitation research - Development of precise and efficient strategies to measure functional outcomes; US Department of Health and Human Services, National Institutes of Health, National Institute for Child Health and Human Development, Clinical Research Loan Repayment Program Grant (2L30HD051358-02); refereed; \$207,252 (\$140,000 direct, \$67,252 federal / state income tax reimbursement); 2005-2009.

Consultant (PI: Eek B, Mooney V); Physiological effects of disc restorative solution on rodent spinal discs; Eek B; Skoll Foundation; non-refereed; not available; 2005-2008.

Consultant (PI: Dagenais S); Interligamentous injection of Proliferol for chronic low back pain; CAM Research Institute; non-refereed; not available; 2005-2008.

Research Associate (President: Haldeman S); The Bone and Joint Decade 2000–2010 Task Force on Neck Pain and its Associated Disorders; World Health Organization; not available; not available; 2005-2007.

Consultant (PI: not applicable); Chula Vista Firefighter Wellness-Fitness Program - Partnership with San Diego Firefighter Regional Wellness Center; U.S. Department of Homeland Security, Federal Emergency Management Agency, Assistance to Firefighters Grants 2005; refereed; \$147,716 (federal award \$118,173, city match: \$29,545); 2005.

Supervisor - Data Collection and Research (PI: Parker R in cooperation with City of San Diego); San Diego Fire-Rescue Wellness-Fitness Program; U.S. Department of Homeland Security, Federal Emergency Management Agency, Assistance to Firefighters Grants 2003; refereed; \$1,050,000 (federal award: \$750,000, city match: \$300,000); 2004-2005.

Principal Investigator (PI: Mayer JM); Continuous low level heat wrap therapy for the prevention and treatment of exercise-induced delayed onset muscle soreness of the low back muscles; The Procter & Gamble Company; non-refereed; \$66,325; 2003-2004.

Principal Investigator (PI: Mayer JM); Continuous low level heat wrap therapy alone and combined with active exercise for acute low back pain: effect on functional ability; The Procter & Gamble Company; non-refereed; \$106,145; 2003-2004.

Consultant (PI: Udermann BE); The influence of cup stacking on hand-eye coordination and reaction time of second-grade students; Speed Stacks Inc; non-refereed; not available; 2002-2003.

Consultant (PI: O'Neill C); Anti-tumor necrosis factor for discogenic low back pain; not available; non-refereed; not available; 2002.

Principal Investigator (PI: Mayer JM, Money V); Endurance training of the respiratory muscles; Aditus Inc; non-refereed; gift-in-kind equipment: \$1,500; 2002.

Principal Investigator (PI: Mayer JM, Mooney V); Reliability and validity of a non-radiographic method to evaluate sagittal alignment of the spine; Aditus Inc; non-refereed; gift-in-kind equipment: \$5,000; 2002.

Project Manager (PI: Eek B, Mooney V, O'Neill C); Injection of disc restorative solution combined with nucleoplasty: Effect on discogenic low back pain and disability; ArthroCare Inc; non-refereed; \$10,000; 2001-2003.

Consultant (PI: Lane J); Post-operative infusion pump for shoulder pain; I-Flow Inc; non-refereed; not available; 2001.

Principal Investigator (PI: Mayer JM, Mooney V); Effect of postural training on musculoskeletal pain and disability; Life Mechanics Institute Inc; non-refereed; gift-in-kind equipment: \$15,000; 2001.

Investigator (PI: Verna JL); Development of a variable angle Roman chair; US Department of Health and Human Services, National Institutes of Health, National Institute of Arthritis and Musculoskeletal and Skin Diseases (1R43AR046342-01); refereed; \$99,891; 1999-2000.

Project Manager (PI: Graves JE); Effect of heat therapy on exercise-induced soreness of the lumbar musculature; The Procter & Gamble Company; non-refereed; \$35,254; 1999.

Project Manager (PI: Graves JE); Effect of prophylactic ibuprofen on exercise-induced soreness of the lumbar musculature; Whitehall-Robins Inc; non-refereed; \$40,000; 1997-1998.

Other Scholarly Products:

Research Activity:

authorship
nature
funding (external, grant, internal)

Continuing Education Workshops Organized:

Membership in Scientific/Professional Organizations:

Scientific Task Forces and Guideline Committees

2012	Expert Panel Member, Spinal Deconditioning Injury Risk Summit, US NASA, Johnson Space Center.
2012	Technical Expert Panel Member, Comparative Effectiveness Review: Spinal Fusion for the Treatment of Low Back Pain Secondary to Lumbar Degenerative Disc Disease. Effective Health Care Program, US Agency for Healthcare Research and Quality.
2009-2010	Task Force Member, Contemporary Concepts in Manipulation, Mobilization, and

- 2008 Massage for Spinal Pain Disorders, Gay R (chair), North American Spine Society.
- 2008 Roundtable Participant, Update on Guidelines for the Treatment of Neuropathic Pain, Dworkin R (chair), August, 2008, London, England.
- 2008-2009 Committee Member, Recommendations for the Non-Pharmacologic, Non-Interventional Treatment of Neuropathic Pain, Dworkin R (chair), Neuropathic Pain Special Interest Group, International Association for the Study of Pain.
- 2006-2007 Research Associate, The Bone and Joint Decade 2000-2010 Task Force on Neck Pain and Its Associated Disorders, Haldeman S (president).

Professional Memberships (Current)

- American College of Sports Medicine (1997-1998; 2007-present)
- American Physiological Society (1998-present)
- Florida Chiropractic Association (honorary member) (2007-present)
- Florida Chiropractic Association Sports Council (honorary member) (2008-present)
- North American Spine Society (2009-present)
- Society of Clinical Research Associates (2003-present)

Professional Memberships (past)

- American Chiropractic Association (1990-1997)
- Human Factors and Ergonomics Association (2000-2001)
- IDEA Health & Fitness Association (2003-2006)
- New York State Chiropractic Association (1991-1997)

Consultative and Advisory Positions Held:

Professional Service

- 2011-present Clinical and Scientific Advisory Board Member, World Spine Care, Santa Ana, CA
- 2010-present Committee Chair, Lincoln Research Prize for Chiropractic and Biomechanics, Florida Chiropractic Foundation for Education and Research, Orlando, FL
- 2008-present Clinical Policy and Advisory Board Member, Palladian Health, West Seneca, NY
- 2007-2009 Secretary and Treasurer, CAM Research Institute Inc, Irvine, CA
- 2006-present Advisory Board Member, Personal Fitness Trainer Program, Educational Fitness Solutions, West Lafayette, IN
- 2005-present Advisory Board Member, National Posture Institute, West Lafayette, IN
- 2005-2007 Advisory Board Member - ThermaCare, Procter & Gamble, Cincinnati, OH
- 2005-2007 Member, Human Subjects Institutional Review Board, MedX Inc, Ocala, FL
- 2002-2007 Committee Member, Board of Practice Standards and Ethics, International Collegiate Commission of Exercise Science, West Lafayette, IN
- 1994-1996 Advisory Panel Member, Chiropractic, Blue Choice HMO, Rochester, NY

Editorial Boards

- 2011-present Editorial Board Member, *Chiropractic & Manual Therapies*
- 2006-present Advisory Editorial Board Member, *The Spine Journal*

Reviewer-Research Grant Applications

- 2011 International Mechanical Diagnosis and Therapy Research Foundation, McKenzieInstitute, USA
- 2009-2013 Fire Prevention and Safety Grant Program, Assistance to Firefighters Grants, Federal Emergency Management Agency, US Department of Homeland Security

2009	Foundation for Chiropractic Education and Research, USA
2009	Willy Gepts Research Foundation, Brussels, Belgium
2007	Raine Medical Research Foundation, Department of Health, Western Australia

Reviewers-Manuscripts (referred journals)

American Journal of Physical Medicine & Rehabilitation (2008-present)
Archives of Physical Medicine and Rehabilitation (2005-present)*
Arthritis Research & Therapy (2006-present)
European Journal of Applied Physiology (2001-present)
Evidence Based Complementary and Alternative Medicine (2006-present)
Medicine and Science in Sports and Exercise (2005-present)*
Journal of Chiropractic Education (2012-present)
Journal of Manipulative and Physiological Therapeutics (2008-present)*
Physical Therapy in Sport (2012-present)
Physiotherapy Theory and Practice (2011-present)
Sports Medicine (2012-present)
The Spine Journal (2006-present)*
 *frequent periodic reviews

Reviewer-Other

2011	External reviewer, Chapter - Applied Biomechanics, in <i>American College of Sport Medicine's Resources for the Personal Trainer, 4th Edition</i> . Lippincott Williams & Wilkins, Baltimore, in preparation.
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Community Service (selected):

2002-2003	Committee Member, Charity Golf Tournament Golden Triangle Chamber of Commerce, La Jolla, CA
2001, 2002	Sports Medicine Team Volunteer, Rock 'N' Roll Marathon, San Diego, CA
1994	Head Softball Coach, Our Lady of Lourdes, Summer Youth League, Rochester, NY
1994	Clinical Volunteer, Corpus Christi Outreach Health Center, Rochester, NY

Services to the University/College/School on
Committees/Councils/Commissions:

University Service - University of South Florida

10/2012-present	Chair, Research Faculty Search Committee, Interdisciplinary Center for Neuromusculoskeletal Research, School of Physical Therapy & Rehabilitation Sciences
10/2012-present	Member, Appointment, Promotion, and Tenure Committee, College of Medicine
09/2012-present	Chair, Ad Hoc Committee - revision of Appointment, Promotion, and Tenure Guidelines for School of Physical Therapy & Rehabilitation Sciences
10/2011-present	Research Council, Faculty Senate, University of South Florida
09/2010-present	Member, Financial Oversight Committee, College of Medicine
07/2010-present	Member, Appointment, Promotion, and Tenure Committee, School of Physical Therapy & Rehabilitation Sciences
06/2010-present	Member, Investigators/Physicians Advisory Group, Office of Clinical Research Implementation Initiative, College of Medicine
04/2010-2011	Member, Research Sub-Committee, Executive Committee on Research

	and Education, College of Medicine
04/2010-present	Member, Ad Hoc Committee - faculty IRB application review, School of Physical Therapy & Rehabilitation Sciences
01/2010-6/2011	Research Representative, Monthly Leadership Meetings, School of Physical Therapy & Rehabilitation Sciences
01/2010, 01/2011, 1/2012, 1/2013	Instructor, Doctor of Physical Therapy year 2 preview activity, School of Physical Therapy & Rehabilitation Sciences
08/2009-10/2011	Member, Research Committee, College of Medicine
08/2009	Member, Organizational Realignment of Research and Education Task Force, College of Medicine
07/2009-present	Committee Member (medical board "01-A"), USF Institutional Review Board, Division of Research Integrity and Compliance
02/2009	Judging Committee Member, Best Presentation Award, USF Health Research Day 2009
09/2008-present	Member, Annual Evaluation Departmental Committee, School of Physical Therapy & Rehabilitation Sciences
08/2008	Representative for School of Physical Therapy & Rehabilitation Sciences at the New Student Orientation - 08/22/2008, College of Public Health
01/2008-present	Representative for School of Physical Therapy & Rehabilitation Sciences at the Associate Dean's Research Meetings, USF Health

Graduate Thesis Committees

2011-2012	Committee Member: Jason Martuscello Thesis (Master of Science) Core muscle activation during trunk exercise: a systematic review School of Physical Education & Exercise Science, University of South Florida, FL
2008	Research Co-Mentor: Jeannie Stephenson K30 Directed Research (Master of Science) Locomotor training on a treadmill with bodyweight support compared with proprioceptive neuromuscular facilitation training in adults with chronic stroke College of Medicine, University of South Florida, FL
2004-2006	Research Mentor: John Varghese Thesis (Master of Physical Therapy) The use of the Multidimensional Task Ability Profile as a functional outcome measure in the management of spinal disorders School of Physiotherapy, University of Otago, Dunedin, New Zealand
2004-2005	Committee Member: Christine Ahlff Thesis (Master of Arts) Validity and factor structure of the Multidimensional Task Ability Profile Department of Exercise and Nutritional Sciences, San Diego State University, CA
2003	Research Mentor: Bitia Shahidi Thesis (Doctor of Physical Therapy) Trunk and lower extremity muscle activity in multiple planes of motion using surface electromyography Department of Physical Therapy, Loma Linda University, CA
2003	Research Mentor: Nissa Casuga Thesis (Doctor of Physical Therapy)

Trunk and lower extremity muscle activity in multiple planes of motion using surface electromyography
Department of Physical Therapy, Loma Linda University, CA

2002-2003 Committee Member: Jun San Juan
Thesis (Master of Arts)
Effect of pelvic stabilization on lumbar muscle activity during dynamic exercise
Department of Exercise and Nutritional Sciences, San Diego State University, CA

Undergraduate Research Projects

2008-2009 Thesis Director: Samantha Smith
Honors Thesis Project
Characteristics of elective orthopedic surgeries in older adults
Honors College, University of South Florida

Honors and Awards:

2012 Safety Award, Tampa Fire Rescue, FL
Awarded for support of Tampa Fire Rescue related to the research project:
"Low back injury prevention in firefighters."

2001 The Doctoral Prize, School of Education, Graduate School, Syracuse University
Awarded for exemplifying excellence in scholarship and research at the graduate level related to doctoral dissertation: "Lumbar musculature and exercise."

Continuing Education Attended: list only courses taken **within the last 5 years** that are **specifically related** to responsibilities in the entry-level program.

CEUs obtained as need to maintain 1) chiropractic physician licenses in the states of California, Florida, and New York, and 2) Certified Clinical Research Profesional.

Current Teaching Responsibilities in the Entry-level Physical Therapy/Physical Therapist Assistant Program, if any (in sequence by term; specify term):

University of South Florida:

BCC 7184: Primary Care Clerkship - Low Back Pain; Lecturer (2009-2012)

PHT 7151: Health Promotion and Wellness; Course Co-Director, Instructor (2008-2012),
Course Director, Instructor (2013)

PHT 7618: Critical Inquiry 3; Instructor (2008-2011); Course Director (2011)

PHT 7265: Clinical Problem Solving 2; Guest lecturer - spinal muscular strength testing (spring 2010)

Proposed Teaching Responsibilities in the Proposed Entry-level Physical Therapy/Physical Therapist Assistant Program (in sequence by term; specify term):

CURRICULUM VITAE

Kevin Murdoch, PT, DPT, OCS
8920 12th Ave NW Bradenton, FL 34209
(941) 302-9401
University of South Florida School of Physical Therapy and Rehabilitation Sciences

Education:

Doctorate in Physical Therapy, University of Montana, Missoula, Mt 2009-11
Masters of Science in Physical Therapy, University of Colorado, Denver, Co. 1995-97
Masters of Science in Physical Education, Indiana University, Bloomington, In. 1988-89
Bachelors of Physical Education, University of Manitoba, Winnipeg, MB.Canada1982-87

Licensure Information:

State of Florida Physical Therapist (licence PT 15823)

Certifications:

Board Certified Orthopedic Specialist 2002, Recertification 2012
Manual Therapy Certified (MTC)

Professional Experience

2009 to present: University of South Florida, Morsani College of Medicine, School of Physical Therapy and Rehabilitation Sciences; Assistant Professor; USF Physical Therapy Center Coordinator

2007 to 2009: Director Bollettieri Sports Medicine Center
2002 to 2007: Managing Partner Legacy Physical Therapy and Sports Training
1999 to 2002: Regional Director and Clinic Director Joint Works, PA
1997 to 1999: Physical Therapist Advanced Health Systems
1997 to 1997: Physical Therapist Sarasota Memorial Hospital

Non-Peer Reviewed Publications:

Murdoch, K Tarsel Tunnel Syndrome. In Shamus E, ed. Quick Answers-Physiotherapy. McGraw-Hill Publishers, New York, New York 2012 www.accessphysiotherapy.com

Other Scholarly Products:

Poster Presentations:
APTA Annual Conference PT 2012; *The effectiveness of unloader bracing to assist healing following tibial baseplate loosening after unicompartamental arthroplasty: A functional outcomes analysis*

Invited Lectures:

USF Physical Therapy Rounds: January 2013 *Medicare Part B and Therapy Services Functional Limitations Reporting*, University of South Florida, Tampa Florida

USF Physical Therapy Rounds Feb. 2012 *Low Back Pain: Review of Current Practice Guidelines* University of South Florida, Tampa Florida

IMG Academies Sports Medicine Symposium Dec 2008 *Femoral-acetabular Impingement: Review of Literature and Case Report*

Sarasota Retired Military Officers Biannual Luncheon Aug 2006 *Cervical and Lumbar Osteoarthritis: facts vs Myths in leading an Active Lifestyle*

Professional Association and Community Service:

FPTA State Assembly Representative 1999 to present
FPTA-WCD Chief Assembly Representative 2004, 2011
Task Force on role of FPTA Board of Directors 2011
FPTA/FPTA Expert Panel on Reimbursement 2008 to 2010
Delegate to the APTA National Assembly 2004 to 2008
FPTA-WCD District Chair 2006/2007

Services to the University/College/School on Committees/Councils/Commissions:

USF SPTRS Leadership Team 2009-present
USFPG Board of Directors 2010-present
USF SPTRS Curriculum Committee 2009-present
Morsani College of Medicine Professionalism Committee, 2013-present
USF Health Claims Management Committee 2010-present
USF SPTRS Faculty Evaluation Committee 2011-present
USF SPTRS Student Selection Committee 2010-11, 2012-13
USF Physical Therapy Center Ad hoc Committee on Clinical Productivity 2011

Current and Prior Teaching Responsibilities in the USF School of Physical Therapy and Morsani College of Medicine Entry-level Professional Program:

Spring 2013: Doctoring Small Groups, Instructor/Preceptor
Doctoring for Physical Therapists, Clinical Mentor
Scientific and Professional Foundations of Physical Therapy

2012 Fall: Professional Issues III, Co-course Director
Doctoring Small Groups, Instructor/Preceptor
Doctoring for Physical Therapists, Clinical Mentor

Spring 2012: Doctoring Small Groups, Instructor/Preceptor
Doctoring for Physical Therapists, Clinical Mentor
Movement Science 2, Lab Instructor

Fall 2011: Doctoring Small Groups, Instructor/Preceptor
Movement Science 1, Instructor, Lab Instructor
Doctoring , Invited Speaker
Doctoring for Physical Therapists, Clinical Mentor
Movement Science 1, Lab Instructor

Spring 2011: Movement Science 1, Lab Instructor
Doctoring Physical Therapists, Clinical Mentor

Spring 2010: Movement Science 1, Lab Instructor

Proposed Teaching Responsibilities in the USF School of Physical Therapy and
Rehabilitation Sciences Entry-level Professional Program:

Fall 2013: Professional Issues III, Course Director

CURRICULUM VITAE

Gina Maria Musolino, PT, MEd, EdD

Education:

*Nova Southeastern University, Fischler School of Education and Human Services
Programs for Higher Education*

Ft. Lauderdale, FL

December 1994-1998

Doctor of Education

Specialization: Health Care Education

Concentration: Curriculum Design, Development & Evaluation

Southwest Baptist University

Bolivar, Missouri

December 1990-1992

Masters of Science in Education

*Washington University, School of Medicine, Program in Physical Therapy,
St. Louis, Missouri*

1984-October 1987

Bachelor of Science in Physical Therapy

WU Clinical Education Internships:

Medical University of South Carolina, Charleston, SC

Baylor University Medical Center, Dallas, TX

Licensure Information/Registration Number & Certifications:

State of Utah	# 5135727-2401	Physical Therapist	June 12, 2002–May 31, 2013
State of Florida	# 0007935	Physical Therapist	May 28, 1992-Nov 30, 2013
State of Illinois	# 070-005373	Physical Therapist	March 08, 1998-Sept 30, 2014

APTA Advanced Credentialed Clinical Trainer 2008-2013

APTA Advanced Credentialed Clinical Instructor 2008

APTA Credentialed Clinical Trainer, Recertified Trainer Portfolio 2010-2013

APTA Credentialed Clinical Trainer, Recertified Trainer Portfolio 2007-2010

APTA Credentialed Clinical Trainer 2004-2007

APTA BASIC Credentialed Clinical Instructor 2004

Employment and Positions Held:

Associate Professor, Director of Clinical Education, Leadership Team

University of South Florida, Morsani College of Medicine,

School of Physical Therapy & Rehabilitation Sciences

Tampa, FL February 2009 - Current

Consulting Program Director & Associate Professor, Physical Therapy

College of Health Science, Midwestern University

Glendale, AZ Sept. 2008 – Oct. 2008

Employment and Positions Held (continued):

Director of Clinical Education & Associate Professor (Clinical)

The University of Utah, College of Health, Department of Physical Therapy
Salt Lake City, UT March 2005 – Sept. 2008

Director of Clinical Education & Assistant Professor (Clinical)

The University of Utah, College of Health, Division of Physical Therapy
Salt Lake City, UT August 2001 – Feb 2005

Assistant Professor

Florida Gulf Coast University, College of Health Professions (*new university*)
Fort Myers, Florida, July 1998 – August 2001

Assistant Professor & Team Academic Coordinator of Clinical Education

Nova Southeastern University, Health Professions Division, Physical Therapy
Department, (*new program*) North Miami Beach, Florida & Ft. Lauderdale, Florida,
June 1995 to June 1998

Clinical Coordinator for Clinical Education, Physical Therapist & Clinical Administrator

On-site development Advanced Health Systems, Inc., 1232 Jacaranda Boulevard,
Venice, Florida (*new clinic*), Jan to June 1995

Center Coordinator for Clinical Education, Clinical Administrator & Physical Therapist

Metro Orlando Region VI/Rehability Corporation, Rehability & Rehability Sports Medicine
Centers; Rehability Center, Altamonte Springs, Florida (*new center*), September 1993 to
January 1995

Joint Appointment: Adjunct Assistant Professor & Staff Physical Therapist

University of Central Florida, College of Health & Public Affairs, (*new program*)
Department of Physical Therapy, Orlando, Florida, August 1992 to August 1993
Orlando Regional Healthcare System, STARTBACK Center for Outpatient Rehabilitation
Orlando, Florida, July 1992 to August 1993

*Physical Therapist/Industrial & Sports Rehabilitation Coordinator, Clinical Coordinator of
Clinical Education & Clinical Instructor*

Blessing Hospital (Blessing Hospital @ 11th St.), Quincy, Illinois, Jan 1990 to June 1992

Physical Therapist/Industrial Rehabilitation Coordinator & Clinical Instructor

St. Mary Hospital (Blessing Hospital @ 14th St.), Quincy, Illinois, Dec 1987 to Dec 1989

Peer Reviewed Publications:

Musolino, GM. Evaluation of Florida Physical Therapy providers' level of cultural
competence. *in progress*

Musolino, GM, van Duijn, J, Noonan, A, Eargle, L, Gray, D. Reasons identified for
seeking the American Physical Therapy Association Credentialed Clinical Instructor
Program (APTA CCIP) in Florida, *Journal of Allied Health*, 2013, *in press*

Peer Reviewed Publications (continued):

Greenfield, B & Musolino, GM. Technology in Rehabilitation: Ethical and Curricular Implications for Physical Therapist Education, *Journal of Physical Therapy Education*, Spring 2012, Vol 26, Number 2, p 81-90.

Sullivan, KJ, Wallace, JG, O'Neil ME, Musolino, GM, Mandich, M, Studer, MT, Bottomley, JM, Cormack, JC, Nicholson, SK. & Jensen, GM. A Vision for Society: Physical Therapy as Partners in the National Health Agenda, *Physical Therapy*, November 2011, Vol 91, No 11, p 1664-1672.

Dunn, L & Musolino, GM. Assessing Reflective Thinking and Approaches to Learning Among Entry-level Occupational (MOT) and Physical Therapy (DPT) Students. *J Allied Health*, Fall 2011, Vol 40, No 3, pp 128-136

Musolino, GM, Torres Burkhalter, S, Crookston, B., Ward, RS, Harris, RM, Chase-Cantarini, S, & Babitz, M. Learning Outcomes Evaluation of Cultural Competence for the Interdisciplinary Health Sciences at The University of Utah: A Three Year Longitudinal Study, invited publication, *Journal of Physical Therapy Education (special invited issue Interprofessional Education)*, Winter, 2010, Vol 23, No. 3, pp. 25-36

Musolino, GM, Babitz, M, Burkhalter, S, Harris, R, Chase-Cantarini, S, Ward, S, & Thompson, C. Mutual Respect in Health Care: Assessing Cultural Competence for the Interdisciplinary Health Sciences at The University of Utah, Year 1, *Journal of Allied Health*, Summer 2009, Vol 38, No 2, pp. e54-62

Musolino, GM. Fostering Reflective Practice: Self-Assessment Abilities of Physical Therapy Students and Entry-level Graduates. *Journal of Allied Health*, Spring 2006 Vol. 35 No. 1, pp. 30-42

Musolino, GM & Mostrom, E. Reflection and the Scholarship of Teaching, Learning, and Assessment. *Journal of Physical Therapy Education*, Winter 2005 Vol. 19 No. 3, pp. 52-66

Foreman KB, Morton DA, Musolino GM, Albertine KH. Design and utility of a web-based computer-assisted instructional tool for Neuroanatomy self-study and review for physical and occupational therapy graduate students. *The Anatomical Record Part B: The New Anatomist*. 2005 Jul; 285B (1):26-31

Musolino, GM. & Feehan, P, *Enhancing Diversity through Mentorship: The Nurturing Potential of Service Learning*, *Journal of Physical Therapy Education*, Spring 2004, Vol 18, No. 1, pp. 29-42

Musolino, GM. *Sitting beside Oneself: Development and Validation of a Self Assessment Process for Physical Therapy Students & Graduates*, Nova Southeastern University, A Proposal, ERIC No. ED 424 253 Partial funding FPTA, Dissertation Research Proposal, 1997

Musolino, GM *Evaluation of Performance Criteria Ratings of New Graduates of Nova Southeastern University Physical Therapy Program* ERIC No. ED 416 205 Evaluation Practicum Report, 1996

Peer Reviewed Publications (continued):

Musolino, GM *Development & Validation of Portfolios for Physical Therapy Students at Nova Southeastern University - Portfolio Criteria & Corollary Assessment Instrument* ERIC No. ED 417 568 Development Practicum Report, 1996

Musolino, GM *Comparison of Reflective Practitioner Characteristics of First & Second Year Master's in Physical Therapy Program Students at Nova Southeastern University* ERIC No. ED 414 699 Research Practicum Report, 1996

Musolino, GM. *Development & Validation of Faculty & Course Evaluations for Students for Nova Southeastern University Physical Therapy Program* ERIC No. ED 416 206 Development Practicum Report, 1995

Peer Reviewed Scientific and Professional Presentations:

Musolino, GM, Dyson, J, Kramer, R, Stern, DF. Collaborative Learning in Clinical Education. Florida Physical Therapy Association, Spring Conference, Orlando, FL, March 22, 2013.

Musolino, GM, Stern, DF, Dyson, J, Kramer, R, & Creel, G. Collaborative Clinical Education, University of Florida, Gainesville, FL, November 8, 2013.

Musolino, GM & Dyson, J *Clinical Education in Practice: Collaborative Learning* Round Table presentation, APTA Education Section, APTA Combined Sections Meeting, San Diego, CA, January 24, 2013.

Musolino, GM. *Evaluation of Florida Physical Therapy Providers Level of Cultural Competence*. Platform Presentation, Health Policy & Administration Section, HPA Funded; APTA Combined Sections Meeting, San Diego, CA, January 23, 2013.

Musolino, GM, Stern, DF, Dyson, J, Kramer, R, & Creel, G. *Collaborative Clinical Education*, University of Florida, Gainesville, FL, November 8, 2013.

Musolino, GM. *Faculty Development: Blended Learning – Bridging Classroom to Clinic*. Sloan Consortium, International Conference on Online Learning, Lake Buena Vista, FL, November 9, 2011

Mandich, M, Sullivan, K, Musolino, GM, & Nicholson, S. *Health Care Reform: Implications for Preparation of Future Physical Therapists*, 2011 Education Leadership Conference, Academic Council Program, October 1, 2011

Musolino, GM, Hartley, G, & Patla, C. *Oxford Debate: Continuing Competence –Pro Team*, Florida Physical Therapy Association, Fall Conference, Sept 23, 2011.

Musolino, GM & Noonan, AC. *Moving Forward for DPT Clinical Education*. APTA PT 2010 Annual Conference, PT 2010, Boston, MA, June, 2010

Musolino, GM, Thiele, A, Petrosino, C, & Dunfee, H. *The Scholarship of Teaching & Learning: The Role of the New DCE/ACCE for a Doctoring Profession*. APTA Combined Sections Meeting, Education Section, Pre-Conference Course, Combined Sections Meeting, Las Vegas, NV, Feb 2009

Peer Reviewed Scientific and Professional Presentations (continued):

Musolino, GM. *Understanding & Eliminating Disparities in Health Care: Development & Assessment of Cultural Competence for Interdisciplinary Health Professions*, APTA PT 2008 Annual Conference, PT 2008, San Antonio, TX, June 12, 2008

Musolino, GM & Thiele, A *The Value of Integrating Service Learning for your Practice: Academic & Clinical Perspectives through Community Partnerships*, APTA PT 2007 National Conference, Denver, CO, June 29, 2007

Musolino, GM. *Supporting Culturally Effective Strategies for the Acquisition of Skills in Hispanic Preschoolers*, Training for Paraprofessionals in the Interagency Outreach Training Initiative, in conjunction with The Learning Center for Families, Center for Disabilities Interagency Outreach Training Initiative, funded grant, The University of Utah, Salt Lake City, UT, April 2007

Musolino, GM. *Peer-to-Peer Practice Advancement Session* Fifth National Conference on Quality Health Care for Culturally Diverse Populations: Building the Essential Link between Quality, Cultural Competence and Disparities Reduction, Seattle, WA, Oct 2006

Foreman KB, Morton DA , Musolino GM, and Albertine KH. *Technology Needs Assessment of Medical, Dental, Physical Therapy and Occupational Therapy Students*. Experimental Biology 2006, San Francisco, CA, April 1-April 5, 2006

Musolino, GM. *Strengthening Efforts to Eliminate Health Disparities through Evaluation: Mutual Respect in Healthcare: Assessing Cultural Competence for the Interdisciplinary Health Sciences*. Office of Minority Health, Department of Health & Human Services, National Leadership Summit on Eliminating Racial & Ethnic Disparities in Health; Embracing a Common Destination: Improving Health Outcomes for All Americans. Washington, DC, January 9-11, 2006

Musolino, GM. *Gathering Essential Student Feedback: Formative Assessment for Effective Education*, APTA Combined Sections Meeting, New Orleans, LA, Feb 26, 2005

Foreman KB, Morton DA, Ash JF, Musolino GM, Albertine KH. *Evaluation of Handheld Computers for a Medical Histology Course*. Experimental Biology 2005, San Diego, CA, March 31-April 6, 2005.

Musolino, GM. *Cultural Competence & Mutual Respect: Five Modules for Success* for Early Intervention Specialists with The Learning Center and colleagues in Southern UT, in conjunction with The Learning Center for Families, Center for Disabilities Interagency Outreach Training Initiative, funded grant, St. George & Cedar City, UT, Fall 2005 – Spring 2006

Musolino, GM, Wright, L & Ohtake, P. *Transforming Technology for Practice & Education*, APTA: PT 2001, Education Section, 5.5 hour Educational Session with computer lab hour, Anaheim Convention Center, Anaheim, CA, June 21, 2001

Musolino, GM. *Portfolio Assessment*, PTA Academic Administrators, APTA, Academic Administrators Special Interest Group Forum, "Challenges in the Curricula" Chicago, IL, October 2000

Peer Reviewed Scientific and Professional Presentations (continued):

Musolino, GM *Sitting Beside Oneself: Development and Validation of a Self-Assessment Process for Physical Therapy Students and Graduates*, Research Excellence Award Presentation, Fischler School of Education and Human Services, Programs for Higher Education, Nova Southeastern University, 27th Annual Summer Institute, Ft. Lauderdale, FL, July 1999

Book Chapters:

Diener, M & Liese, H (eds.) *Finding Meaning in Civically Engaged Scholarship: Personal Journeys, Professional Experiences*, Information Age publishing, 2009;

Musolino, GM, Book Chapters (2):

- *Expanding Horizons through Service and Service Learning: The Journey*
- *Integrating Service Learning for Physical Therapy Programs: Frameworks and Opportunities*

Peer Reviewed Abstracts:

Musolino, GM. *Evaluation of Florida Physical Therapy Providers Level of Cultural Competence*. Platform & Abstract, Health Policy & Administration Section, HPA Funded; HPA Resource, Vol 13, No. 1, APTA Combined Sections, January 2013.

Musolino, GM, Gray, DL, van Duijn, J, Eargle, LK, & Noonan, AC. *Reasons Identified for Seeking the APTA Clinical Instructor Education and Credentialing Program in Florida*. National Conference, Tampa, FL, Connect PT 2012, Poster Presentation, June 7-9, 2012

Musolino, GM. *Fostering Leadership in Doctor of Physical Therapy Education*, APTA THRIVE PT 2011, National Conference, National Harbor, MD, Poster Presentation, June 2011

Musolino, GM. *Evaluation of Florida Physical Therapy Providers Level of Cultural Competence – Proposal*. APTA Combined Sections Meeting (CSM), Health Policy & Administration Section, Platform Presentation, Feb 2010

Musolino, GM. *Extreme Makeover: Clinical Education Edition*, APTA Combined Sections Meeting, Education Section, Platform Presentation, CSM 2010, Feb 2010

Musolino, GM & Dunn, L. *Assessing Reflective Thinking & Approaches to Learning Among MOT & DPT Students*, APTA Combined Sections Meeting, Education Section, Platform Presentation, Las Vegas, NV, Feb 2009

Smith, L, Cropper J, Musolino, GM, & Black, J. *Stem Cell Injection Therapy in Conjunction with Physical Therapy for an Individual with ASIA A C4/C5 Spinal Cord Injury: A Case Report*. APTA Combined Sections Meeting, Neurology Section, Las Vegas, NV, Proposed for Feb 2009, not accepted.

Smith, B, Snow, T, Musolino, GM, Ward, RS, & Dibble, L. *Physical Therapy and Stem Cell Therapies for a Patient with C4-C5 SCI: A Case Study*. Utah Physical Therapy Association Fall Conference, Midway, UT, November, 2008

Abstracts (continued):

Dunn, L. & Musolino, GM. *Pilot Study: Assessing Reflective Thinking and Approaches to Learning among Entry-Level Occupational (MOT) & Physical (DPT) Students.*

Presented at American Occupational Therapy 88th Conference, Long Beach CA, April 10-13, 2008

Stevens, J (dec.), Musolino, GM, Ballard, J. *Physical Therapy Tests and Measures for a Patient with Parkinson's Disease for Consultation with Referring Neurosurgeon for Potential Deep Brain Stimulation Surgery.* PT 2008, San Antonio, TX, June 13, 2008

* Received PT 2008 Annual Conference Program Committee **Abstract Recognition** for Outstanding Abstract representing APTA Vision 2020 and scholarship

Bowen, J, Musolino, GM, Marcus, R. *APTA Vision 2020: Are Physical Therapists Ready? A Case Study Examining Differential Diagnosis of Carpal Tunnel Syndrome & Clinical Education Perspectives.* Accepted for PT 2008, San Antonio, TX, June 13, 2008

Belnap, MA, Musolino, GM & Semadini, T. *Physical Therapy Interventions for a Patient with Mitochondrial and White Matter Disease: A Case Report,* PT 2007, Neurology Platform Presentation, Denver, CO, June 30, 2007

Musolino, GM, Babitz, M, Harris, R, Ward, RS, Chase-Cantarini, S. *Mutual Respect in Healthcare: Assessing Cultural Competence for the Interdisciplinary Health Sciences at the University of Utah,* APTA Combined Sections Meeting, Education Section Platform, San Diego, CA, Feb 1-5, 2006

Foreman KB, Morton DA , Musolino GM, and Albertine KH. *Technology Needs Assessment of Medical, Dental, Physical Therapy and Occupational Therapy Students. Federation of American Societies for Experimental Biology Journal* 2006 Vol 20: A419

Foreman KB, Morton DA, Ash JF, Musolino GM, Albertine KH. *Evaluation of Handheld Computers for a Medical Histology Course. Federation of American Societies for Experimental Biology Journal.* 2005 Vol 19: A1358

Musolino, GM. *Pathways to Progress: Fostering Evidence-Based Practice in Clinical Education with Evaluation of Levels of Reflective Thinking,* American Association of Higher Education 2003 Assessment Conference, June 2003

Musolino, GM. *Evaluation of the Level of Reflective Thinking for The University of Utah Master's in Physical Therapy Students & Pathways to Progress: Fostering Evidence-based Practice in Clinical Education,* APTA Combined Sections Meeting, Education Section Platforms, Tampa, FL, Feb. 2003; World Congress for Physical Therapy, 2003

Musolino, GM *Interdisciplinary Health Care Curriculum Revision: Curricular Chaos or Consensus? & Interdisciplinary Health Professions Senior Seminar: Curricular Frameworks Fostering Creativity,* National Academies of Practice & Interdisciplinary Health Care Team Conference; Interprofessional Approaches to the Prevention of Health Care Errors: Doing it Right the First Time, April 12-13, 2002, Arlington, VA; World Congress for Physical Therapy, 2003

Abstracts (continued):

Musolino, GM *Interdisciplinary Health Professions Senior Seminar: Curricular Frameworks Fostering Creativity*, Acute Care Section, APTA Combined Sections Meeting, Boston, MA, Feb, 2002

Musolino, GM *Design Principles for On-line Instruction*, APTA Combined Sections Meeting, Education Section, San Antonio, TX, February 2001

Musolino, GM, Heinemann, D, & Dugas, T. *Deadly-to-Men: Partnering for Prostate Cancer Prevention*, APTA Combined Sections Meeting, Education Section, February 2001, San Antonio, TX; Oncology Section Platform Presentation, PT 2001, June 22, 2001, Anaheim, CA; World Congress for Physical Therapy, 2003

Musolino, GM & Feehan, P. *Facilitating Active Learning through a Web-Based Distributed Learning Course for Physical Therapy Students*, Platform Presentation, APTA Combined Sections Meeting, New Orleans, LA, Feb 2000 & Multi-media Platform, Annual Conference & Exposition of the APTA, Indianapolis, IN, June 2000

Musolino, GM & Feehan, P. *Enhancing Diversity through Mentorship: The Nurturing Potential of Service Learning*, Platform Presentation APTA Combined Sections Meeting, New Orleans, LA, Feb 4, 2000 & Platform Presentation at the Annual Conference & Exposition of the APTA, Indianapolis, IN, June, 2000

Musolino, GM *Sitting Beside Oneself: Development & Validation of a Self-Assessment Process for Physical Therapy Students and Graduates*, Platform Presentation, APTA Annual Conference & Exposition of the APTA, Indianapolis, IN, June 2000

Musolino, GM, Heinemann, D & Dugas, T. *Partnering for Prostate Prevention: Deadly to Men*, Denise Heinemann, FGCU CHP Acting Dean, Terry Dugas, WGPU, Gina Musolino, FGCU CHP, Peer-reviewed Panel Presentation, Partnerships for Health in the New Millennium: Launching Healthy People 2010, Washington, DC, January 27, 2000,

Musolino, GM & Page, C. *Health Care Education for Tomorrow: Active Learning Strategies*, Poster Presentation, American Congress of Rehabilitation Medicine, Orlando, FL, October 15, 1999

Musolino, GM *Sitting Beside Oneself: Development and Validation of a Self-Assessment Process for Physical Therapy Students and Graduates*, Research Platform Presentation, Florida Physical Therapy Association, Spring Conference & Student Conclave, Moving into the New Millennium, Orlando, FL, March 1999

Musolino, GM *Comparison of Reflective Practitioner Characteristics of First Year and Second Year Master's in Physical Therapy Students for Nova Southeastern University*, Research poster presentation for FPTA, Spring Conference & Student Conclave March 1998 & APTA, Combined Sections Meeting Seattle Feb. 1999

Musolino, GM *Development & Validation of Portfolios for Nova Southeastern University Physical Therapy Program Students*, Research poster presentation FPTA Spring Conference & Student Conclave March 1998 & American Physical Therapy Association, Combined Sections Meeting, Seattle Feb. 1999

Abstracts (continued):

Lim, R, SPT Musolino, GM, Salamey, J, SPT, Mayhan, D SPT, & Mcleod, G, SPT, *The Relationship of PA & PT in the Healthcare Delivery System*, Panel Discussion & Research Presentation for the PA Graduates, Class of '97, Nova Southeastern University, Ft. Lauderdale, FL, April, 1997 & Platform presentation - APTA National Conference June Orlando, 1998

Mankuta, S, SPT Musolino, GM, & Page, C. *Physical Therapists' Ratings of the Accuracy of the Functional Independence Measure*, PT Research Platform Presentation, Florida Physical Therapy Spring Conference, Orlando, FL, April, 1997 & Platform presentation, APTA National Conference June Orlando, 1998

Mcleod, G, Musolino, GM, & Page, C. *The Intrarater and Interrater Reliability of the Microfet-2 Hand-Held Dynamometer*, Research Platform Presentation, Florida Physical Therapy Spring Conference, Orlando, FL, 1997

Musolino, GM. *Impact of a Health Fair on Intermediate Students Health Knowledge and Attitudes*, Poster Presentations:

- o APTA, Combined Sections, Spring Conference, Community Health Section, San Antonio, Texas, 1993
- o Florida Physical Therapy Association, Fall Conference, Orlando, Florida, 1992
- o Illinois Physical Therapy Association, Spring Conference, Peoria, Illinois, 1991

Non-Peer Reviewed Publications/Presentations:

Musolino, GM, *APTA Credentialed Clinical Instructor Education & Credentialing*, Basic Program: Jan 21-22, 2012 NSU, Tampa; Mar 24-25, 2012, South University, Tampa; April 21-22, 2012, Gulf Coast State College, Panama City, FL; May 19-20, 2012 University of Miami, Miami FL; June 23-24, 2012, Lakeland Regional Medical Center, Lakeland, FL; August 11-12, 2012, South University-West Palm Beach, FL; August 18-19, 2012, College of Central Florida, Ocala, FL; Feb 2013, South University, Tampa, FL *Planned – Pending*: Keiser University, Sarasota, FL Campus – 2013 & University of Miami, Coral Gables, FL - 2013

Musolino, GM & Gray, DL. *APTA Advanced Clinical Instructor Education & Credentialing Program*, Florida Clinical Education Consortium, March 10-11, 2012, St. Catherine's West Rehabilitation Hospital, Hialeah Gardens, FL

Musolino, GM, *APTA Credentialed Clinical Instructor Education & Credentialing*, Basic Program, University of South Florida, College of Medicine, School of Physical Therapy & Rehabilitation Sciences, Tampa, FL, August 27 & 28, 2011.

Musolino, GM, *APTA Credentialed Clinical Instructor Education & Credentialing*, Basic Program, University of Miami, Miller School of Medicine, School of Physical Therapy, Miami, FL, April 16 & 17, 2011

Musolino, GM, *APTA Credentialed Clinical Instructor Education & Credentialing*, Basic Program, South University, PTA Program, Tampa, FL, March 5 & 6, 2011

Musolino, GM, *APTA Credentialed Clinical Instructor Education & Credentialing* Program, California PT Association, Kaiser Permanente, San Jose, CA, Nov 5 & 6, 2010

Non-Peer Reviewed Publications/Presentations (continued):

Musolino, GM, *APTA Credentialed Clinical Instructor Education & Credentialing, Basic Program, Tampa General Hospital, October 23 & 24, 2010*

Musolino, GM. *APTA Clinical Instructor Education & Credentialing Program, Basic, Florida Hospital, Orlando, FL, August 20 & 27, 2010*

Gray, D & Musolino, GM. *APTA Advanced Clinical Instructor Education & Credentialing Program, Florida Clinical Education Consortium, Orlando Health, Orlando, FL, April 16 & 17, 2010*

Musolino, GM. *APTA Credentialed Clinical Instructor Education & Credentialing Program, Basic, Florida Physical Therapy Association & University of South Florida, Tampa, FL, Feb 26 & 27, 2010*

Musolino, GM. *APTA Credentialed Clinical Instructor Education & Credentialing Program, Basic, California Physical Therapy Association & Pediatric Therapy Network, Torrance, CA, Jan 9 & 10, 2010*

Musolino, GM. University of South Florida, School of Physical Therapy & Rehabilitation Sciences, *Clinical Education Manual*, August, 2010-11

Musolino, GM. *APTA Credentialed Clinical Instructor Education & Credentialing Program, Basic, Florida Physical Therapy Association, RDV Sportsplex, Orlando, FL, October 10 & 11, 2009*

Musolino, GM. & Nordstrom, T. *APTA Credentialed Clinical Instructor Education Program, Basic, California Physical Therapy Association, Kaiser Permanente Medical Center, Vallejo, CA, August 14 & 15, 2009*

Musolino, GM & Page, CG. University of South Florida, School of Physical Therapy & Rehabilitation Sciences, *Clinical Education Manual*, July-August, 2009

Musolino, GM. *APTA Credentialed Clinical Instructor Education Program; Basic, Select Physical Therapy, Anchorage, AK, April 10 & 11, 2009*

Musolino, GM & Nuefeld, S. *APTA Credentialed Clinical Instructor Education Program, Basic, California Physical Therapy Association, San Jose, CA, Jan 31 & Feb 1, 2009*

Musolino, GM. *APTA Credentialed Clinical Instructor Education Program, Basic, The University of Utah, Department of PT, Salt Lake City, Jan 11 & 12, & May 22 & 29, 2008*

Bordenave, LM, Christenson, M & Musolino, GM. *APTA Credentialed Clinical Instructor Education Program, APTA National Clinical Education Conference/Educational Leadership Conference, Phoenix, AZ, October 3 & 4, 2008*

Musolino, GM. The University of Utah, Division/Department of Physical Therapy, *Clinical Education Manual*, 2001-2008

Musolino, GM. *APTA Credentialed Clinical Instructor Education Program, The University of Utah, Department of PT, Salt Lake City, UT, Sept 26, 27, 28 & Oct 1, 2007*

Non-Peer Reviewed Publications/Presentations (continued):

Musolino, GM, Rodriguez, J & Lowe, E. *APTA Credentialed Clinical Instructor Education Program*, Northwest Intermountain Consortium Conference, University of the Pacific, OR, Sept 22 & 23, 2007

Musolino, GM. *Preceptor Training: Resolving Clinical Dilemmas*, The University of Alaska, Culinary Arts & Hospitality, Anchorage, AK, August 24-25, 2007

Musolino, GM *APTA Credentialed Clinical Instructor Education Program*, Alaska Chapter of the APTA, & Providence Alaska Medical Center, Anchorage, AK, April 2007

Musolino, GM *APTA Credentialed Clinical Instructor Education Program*, The University of Utah, Salt Lake City, UT, March, 2007

Musolino, GM & Dye, D *APTA Credentialed Clinical Instructor Education Program*, Northwest Intermountain Consortium Conference, University of the Pacific, OR, May, '06

Musolino, GM & Rauk, R. *APTA Credentialed Clinical Instructor Education Program*, The University of Utah, Division of Physical Therapy, March 2006, November 2005, May 2005, & Oct 2004

Musolino, GM *Conflict Negotiation & Resolutions: Skills for Success* The Learning Center, Center Retreat, Brian Head, UT Spring 2006

Musolino, GM *Gifts Differing: Latina/Latino & Hispanic Cultures* The Learning Center, St. George, UT, Spring 2006

Musolino, GM *The Generic Abilities and the Profession of Physical Therapy*, The University of Utah, Exercise & Sports Science Student Affairs Committee, Spring 2004

Musolino, GM, & Rodriguez, J. *APTA Credentialed Clinical Instructor Education Program*, Northwest Intermountain Consortium Conference, Boise, ID, Nov 2004

Musolino, GM *Student Feedback: Giving & Receiving*, The University of Utah, Faculty Development, Division of Occupational Therapy, Fall 2004

Musolino, GM *Evidence-Based Medicine for Health Care Professionals*, Rocky Mountain University of Health Professions, Provo, UT, Fall 2003

Musolino, GM *Physical Therapy as a Career: The Future is in Your Hands*, LEAP Students, The University of Utah, Summer 2003

Musolino, GM, Mowdood, A. & LeBer, J. *Asking Clinical Questions: Searching for Answers, an Interactive Course for Evidence-based Rehabilitation*, Utah Physical Therapy Association & The University of Utah, Continuing Education Course, May 2003

Musolino, GM. *Technology: Best Practices in Curriculum Design*, Senior Seminar & Research via WebCT, FGCU Faculty Development Seminar, Instructional Technology, Ft. Myers, FL, May, 2001

Non-Peer Reviewed Publications/Presentations (continued):

Musolino, GM *Portfolios: Concepts, Strategies & Assessment*, 1 day-Faculty Development, Andrews University, joint Faculty Academic Retreat with Berrian Springs, MI campus and Dayton, OH campus, Carmel, IN 7 CEH's, March 27, 2001

Musolino, GM *Ethical, Legal & Social Implications of the Human Genome Project*, Moorings Park Professional & Community Presentation for National PT Month, Naples, FL, October 2000

Musolino, GM *FPTA: Guide to PT Practice*, FPTA, SWD, Extend-A-Reach Program, Fawcett Memorial, Port Charlotte, FL, 2.0 CEH's, July 2000

Musolino, GM *AMBUCS Scholarship Experience*, AMBUCS, Naples, FL January 5, 2000

Musolino, GM *Combining Quality and Speed: Finishing your Applied Dissertation in One Year or Less*, Roundtable Sessions, Third Year, Continuing Students & Alumni, Fischler Graduate School, Programs for Higher Education, Nova Southeastern University, 27th Annual Summer Institute, Fort Lauderdale, FL, July 26 & 27, 1999

Musolino, GM *Life after the EdD*, Roundtable Sessions, Third Year, Continuing Students & Alumni, Fischler Graduate School, Programs for Higher Education, Nova Southeastern University, 27th Annual Summer Institute, Fort Lauderdale, FL, July, 1999

Musolino, GM *Body Mechanics*, Florida Gulf Coast University, College of Health Professions, for the Department of Nursing, Pre-Clinical Nurses, Fall 1998

Musolino, GM, Co-Panelist for *Practicum Report Success: What do Evaluators Expect?* (2) Team Presentations for Fischler Center for the Advancement of Education, Programs for Higher Education, presented to Doctoral Education Program Students for Nova Southeastern University, James E. Lorion, Consultant, NC; Karen L. Mills, Maricopa County Community College, AZ; Gina M. Musolino, Nova Southeastern University, FL; Kenneth E. Varcoe, Penn State University, PA - *The Future: Integrating Tradition and Innovation*, 26th Annual Summer Institute, Tuscon, AZ, July - August, 1998

Musolino, GM & Goldsmith, L. *The New Learning Paradigm, Active Learning Strategies*, Nova Southeastern University, Faculty Symposium on Learning and Teaching, Active Learning Strategies, Ft. Lauderdale, FL, May 1996

Musolino, GM, *Diabetes and Exercise*, Doctor's Hospital, Sarasota, FL, March 1995

Musolino, GM, *Back Care Seminars - Industrial Education:*

- Knapheide Manufacturing Company, Quincy, IL June 1992
- U.S. Cooler & Container, Quincy, IL, July 1991
- Quincy Compressor, Division of Colt Industries, Quincy, IL April 1992
- Lewis County Ambulance District, Camp Point, IL Sept 1990
- Adams County EMS, Quincy, IL November 1991
- Quincy Soybean Company, Quincy, IL July 1989
- Gully Transportation, Quincy, IL December 1991
- St. Mary Hospital, Quincy, IL 1988-1989

Non-Peer Reviewed Publications/Presentations (continued):

Musolino, GM, *Arthritis, Fitness & Exercise:*

- Clayton Christian Banquet, Clayton, IL May 1991
- Kiwanis Club, Quincy, IL February 1991
- Laryngectomy Support Group, Quincy, IL April 1991
- Community Arthritis Program, Quincy, IL 1989 & 1991

Musolino, GM, *Fitness at the Terminal - In service Education & Simulation:*

- Quincy Physicians & Surgeons, Quincy, IL Spring 1991
- Blue Cross/Blue Shield, Quincy, IL Spring 1991

Musolino, GM, *Arthritis Foundation Self-Help Course Co-Instructor:*

- Blessing Hospital, Quincy, IL January 1992
- First Union Congregational Church, Quincy, IL 1989-1990

Musolino, GM, Work Hardening, Quincy Area Safety Council, Quincy, IL May 1989

Musolino, GM, *Spokesperson - Media Press Releases:*

- *Physical Therapy as a Career/Hot Jobs for the 90's* - Channel 10 NBC affiliate, Quincy, IL 1994
- *Arthritis & Physical Therapy*, Channel 10 NBC affiliate & The Quincy Herald Whig, Quincy, IL 1991 & 1993
- *Gus Macker Charity Tournament*, Channel 10 NBC affiliate & The Quincy Herald Whig, Quincy, IL 1992 & 1991
- People to People-Open Line Radio Program: *Carpal Tunnel Syndrome*, WGEM & WTAD Radio, Quincy, IL March 1990

Funded Grant Activity:

Musolino, GM Principal Investigator \$10,000.00
Evaluation of Florida Physical Therapy Providers Level of Cultural Competence, APTA Health Policy & Administration, Research Grant RFP June 2011-12

Gray, D, Musolino, GM, Ergle, L., VanDuijn, J & Noonan, A. \$2,000.00
Florida Physical Therapy Association, Florida Consortium for Clinical Education,
Reasons Identified for Obtaining an APTA Clinical Instructor Credential by Participants in APTA CIECP taught in Florida, 2009-2012

Musolino, GM/Education Section Membership Development Grant \$1,000.00
APTA Membership Development Grant, Education Section, New Member Scholarship Partner Grant, RFP, Promotion, Rep.-at-Large, Member Development Grant, 2009-10

Musolino, GM Principal Investigator \$7,000.00
Curriculum Development Grant: Exploring Physical Therapy, Utah System of Higher Education, Utah Board of Regents, Utah Electronic College Consortium, 2008

Musolino, GM Teaching Grant \$3,000.00
APTA Advanced Credentialed Clinical Instructor & Train-the-Trainer, University Teaching Grant, The University of Utah, University Teaching Committee 2007-2008

Funded Grant Activity (Continued):

Musolino, GM Service Learning Grant \$1,000.00
Devotion to Motion: Education for Exercise, Lifelong Fitness, Nutrition, Healthy Living & Lifestyles, & Careers in Physical Therapy, 2008 State Farm Good Neighbor Service-Learning Grant, Funded, November, 2007 for Spring 2008

Musolino, GM Principal Investigator \$6,500.00
Civically-Engaged Scholars Service Learning Initiative Grant, The University of Utah, Lowell Bennion Community Service Center, 2005-2006

Musolino, GM Principal Investigator \$8,500.00
Curriculum Development Grant, Utah System of Higher Education, Utah Board of Regents, Utah Electronic College Consortium, 2005-2006

Musolino, GM Faculty Fellowship \$5,000.00
Teaching & Learning – DPT Course Series, The University of Utah, Technology Assisted Curriculum Center, 2005-2006

Justice, D & Musolino, GM Project Director / Trainer/Consultant \$33,420.00
Training Paraprofessionals in the Consultative Model to Support Culturally Appropriate Strategies for the Acquisition of Motor Skills in Hispanic Children Ages Birth through Five, Center for Persons with Disabilities Interagency Outreach Training Initiative, The Learning Center for Families, St. George, UT, 2005-2006

Musolino, GM Faculty Fellowship \$5,000.00
Physical Therapy, Clinical Education Internships, Database, The University of Utah, Technology Assisted Curriculum Center, 2004-2005

Musolino, GM, Teaching Grant \$1,782.00
APTA Credentialed Clinical Instructor Education and Credentialing Program, The University of Utah, University Teaching Committee Grant, 2004

Musolino, GM Faculty Fellowship \$5,000.00
Physical Therapists as Educators, The University of Utah, Technology Assisted Curriculum Center, 2003-2004

Musolino, GM Teaching Grant \$1,975.00
Evidence-Based Practice, The University of Utah, University Teaching Committee Grant, 2003

Musolino, GM Faculty Fellowship \$5,000.00
Evidence-based Practice in Physical Therapy Research Course, The University of Utah, Technology Assisted Curriculum Center, 2002-2003

Musolino, GM Faculty Fellowship \$5,000.00
Physical Therapy Clinical Education Internships – Course Series The University of Utah, Technology Assisted Curriculum Center, 2001-2002

Musolino, GM	Principal Investigator	\$5,000.00
	Faculty Grant	
<i>Health Care on the Move</i> , Florida Gulf Coast University, College of Health Professions, Academic Affairs, Contracts & Grants, Submitted for External Funding, April 2000		

Other Scholarly Activity:

Musolino, GM. Book Review: *Service-Learning from Passion to Objectivity: International and Cross-Disciplinary Perspectives on Service-Learning Research*, JPTE, Fall 2008, Vol 22, No. 2 pp. 70-71

Other Scholarly Activity (continued):

Musolino, GM Principal Investigator \$4000.00 (not funded)
Evaluation of Florida PT Providers Level of Cultural Competence, Linda Crane Research Grant, Florida Physical Therapy Association, Research Grant RFP Fall 2009

Musolino, GM Principal Investigator \$5000.00 (not funded)
An Adapted Exercise Program for Persons with SCI, The University of Utah, College of Health, Deans' Incentive Grant, Research Grant RFP 2004

Musolino, GM Co-Principal Investigator, Harris, R, Co-Principal Investigator,
Babitz, M, Smith, Y, & Chase-Cantarini, S \$250,000.00 (not funded)
Cultural Competency & Mutual Respect in Healthcare: A Plan for Education, Evaluation & Project Transfer Training to Address Disparities, Funds for the Improvement of Post-Secondary Education, 2003

Served as External Reviewer

- College of Education, Nursing and Health Professions, **University of Hartford**, West Hartford, CT Ralph O Mueller, Professor/Dean
Reviewed – Diana Veneri, PT, EdD, NCS, RYT for Associate Professor Rank
- School of Health & Rehabilitation Sciences, **Indiana University**, Indianapolis, IN
Joyce Mac Kinnon, PT, EdD Co-Chair & Associate Dean
Reviewed – Valerie Strunk, MS, PT for Senior lecturer & DCE
- Department of Physical Therapy & Human Movement Sciences, Feinberg School of Medicine, **Northwestern University**, Chicago, IL
David A. Brown, PT, PhD – Chair
Reviewed- Marjorie Johnson Hilliard, PT, EdD for Associate Professor Rank
- Health Services and Information Management, College of Allied Health Sciences, **East Carolina University**, Greenville, NC Xiamong Zeng, MD, PhD – Chair
Reviewed – Bonita Sasnett, EdD for Associate Professor Rank

Supervised Research & Committees

Doctoral Students

Edwin Soriano- tDPT Capstone Advisor, Rehabilitation Essentials-USF, 2013-current
Karima S. Haque tDPT, Capstone Advisor, Rehabilitation Essentials-UMT, 2013-current
Kenneth Freeman–ppDPT, Doctoral Committee, Boston University, 2006-08
Kenneth “Bo” Foreman–Doctoral Committee, The University of Utah, Department of Neurobiology & Anatomy, 2002-2005; Award of Merit, 2005
Ian Ross–Committee, Dissertation, Nova Southeastern University, 1999-2001, Research Excellence Award
Ian Ross-Summative Committee Practicum Research, Doctoral Studies, Nova Southeastern University 1998-1999; Outstanding Honors Designee
Mary Blackinton-Summative Committee Practicum Research, Doctoral Studies, Nova Southeastern University 1998-1999
Lori Andersen–Formative Committee Practicum Research, Doctoral Studies, Nova Southeastern University 1996–1997

Supervised Research & Committees (Continued)

Entry-Level DPT Program- The University of Utah 2005-2008

Brian Smith & Tyler Snow–Stem Cell Implants & Physical Therapy Outcomes for a Patient with ASIA A, SCI
Rebekah Lund–Effects of Compliance on Outcomes of Two Patients with SCI s/p Stem Cell Implants
Kari Meserve–A Case Comparison of Two Infants with Torticollis
Janae Cropper & Lindsay Smith–Effectiveness of PT Interventions for a Person with SCI s/p Stem Cell Implants: A Case Report
Heather Klepko–Efficacy of Bracing & Orthotics for Improving Ambulatory Function in Children with Spina Bifida
Todd Schwartz – A case comparison: Effects of Aquatic Therapy for Persons with SCI
Jordan Baadsgard–SCI Rehab: A Case Report
Jennifer Bowen–Differential Diagnoses for Carpal Tunnel Syndrome: A Case Report
Joanne Stevens–Physical Therapy Tests & Measures for a Patient with Parkinson's disease s/p Deep Brain Stimulation for Neurosurgery Consultation
Julie Jung–Jordan Valley School District Early Intervention: The Role of Caregiver Education (ppDPT)
R. Brian Cragun–Education in the Delivery of Physical Therapy Healthcare
Summer Jackson–Body Weight Support Locomotor Training for SCI Recovery
Odessa Addison–Quadriceps Tear: A Case Report
Mitzi Buck–Cardiovascular Effects of Water Immersion and Aquatic Exercise in a Healthy and Cardiac Patient Population with an Emphasis on Congestive Heart Failure

Master's Programs – The University of Utah 2001 – 2006

Lisa Jolley-Mortensen (special needs student)–Physical Therapy & Musicians
Greg Baker–Sports Psychology Influence in Rehab
Jonathan Jacobsen–Aquatic Therapy
Troy Anderson–Exercise Parameters for Persons with Spinal Cord Injury
Gwen Heaton–Osteoporosis Effects in Persons with SCI
Jennifer Head–The Benefits of Functional Electrical Stimulation Leg Cycle Ergometry for Persons with SCI Paraplegia
Sarah Marchant–The Effect of Physical Activity on the Function and Quality of Life in Persons with SCI
Chris Childress,PT- Geriatrics/Master's in Gerontology Program/School of Nursing

Master's Program – Florida Gulf Coast University

R Rivera Tai Chi & Physical Therapy 2000 – Proposal

Master's Program - Nova Southeastern University

1997-99

A Bouchero	Recognition of Depression in the Elderly by Physical Therapists
C Chan	Wound Care & Movement Science
L Corzo	Relationship between Cervical Lordosis and Long Distance Commuting
S Dey	The BERG Balance Self Perception Test as a Predictor of Falls in Assisted Living Elderly
G Diamond	Influences on Skill Acquisition on the Performance of a Novel Task
P Gamm	Swing Mechanism and Medial Epicondylitis
E Glazer	Increased Physical Activity and Improved Cognitive Function in a Patient with Parkinson's

- J Goldstein Effects of Eccentric Strength Training on Increasing Speed of Pitch in Adolescent Baseball Players
- L Hernandez Patient-Therapist Collaboration in Goal Setting in Physical Therapist Practice
- A Lombana Comparison of the CROM Device and Visual Estimation of Cervical ROM
- I Nagle Effects of Varying Warm-up Techniques on Hamstring Flexibility
- N Nguyen Reliability of an FCE Component
- L Quintero Comparison of the Patient with Multiple Sclerosis Satisfaction with PT and the PT's Perceived Patient Satisfaction
- H Smolen Injury Management and Prevention for Cheerleaders
- D Townsend Reliability of Technique for Intrinsic Patellar Alignment: The A-Angle
- S Wong A Comparison of the Effects of Music with Pediatric Abilities in Physical Therapy*APTA National, Indianapolis, IN June 2000 Platform
- S Yoon Effects of Tai Chi on Balance in a Geriatric Population

1996-98

- D Barr Balance Assessments after Tai Chi Training with Patients over 60
- J Chadwick The Use of Self-Assessment in the Physical Therapy Profession as a Method for Evaluating Professional Growth
- M Gunn The Relationship of PT Reflective Practitioner Skill Characteristics
- K Kennedy The Incidence of Low-Back Pain and Irregular Menstrual Cycles in Female Distance Runners
- O Llaguna Idiopathic Senile Gait: Are They Fast Enough to Cross the Street?
- S Lowe The Effect of Physical Therapists' Experience on the Ability to Identify a Lumbar Spinous Process
- D Monert Functional Reach: Predictive Validity in a Sample of Elderly Women
- J Petrunyak The Effects of Ultrasound Application Followed by Static Stretch on Hamstring Lengthening
- H Present Essential Functions of Physical Therapy Students
- B Regar Cognitive Retention of Cardiopulmonary Resuscitation in PT
- A Seabrook Physical Therapists' Perceptions of Employment Satisfaction Factors
- K Snellenburg A Comparison of OT and PT Knowledge and Recognition of Battered Women in Clinical Settings
- S Stein Physical Therapist Assistants' Perceptions of the Utilization of Massage
- J Vazquez Intra rater and Interrater Reliability of an Adapted Sphygmomanometer on Isometric Abdominal Muscle Strength

1995-1997

- S Asmus Learning Styles of Nova Southeastern University PT Students
- S Baker Knowledge and Use of Movement Science by Orthopedic and Neurologic Certified Clinical Specialists
- P Calhoun Interest in Doctoral Education among Physical Therapy Entry-Level Master's Degree Students
- L Calhoun A Comparison of Physical Therapists in Two States on Knowledge and Attitude about AIDS
- M Castello Prevalence of Balance Tests Performed by Florida Skilled Nursing Facility Physical Therapists
- L Corsa Common Themes of Mission Statements among PT Schools
- W Cullen Physical Therapists' Perceptions of the Role of the Athletic Trainer in the Clinical Orthopedic Setting
- B Dawson Comparing Attitudes of First and Second Year Physical Therapy Students toward Disabled Persons

K Day	Correlation of Hamstring/Quadriceps Ratios and Chronic Lower Extremity Injury in Young Female Gymnasts
R Deason	Observed Variations in Manual Muscle Testing Conducted by PT's
S DiClemente	A Common Language for Manual Therapy in Physical Therapy
S Florek	Differences between Novice and Experienced PT's During the Initial PT Evaluation *FPTA Platform
J Glick	Patients' and Physical Therapists' Perceptions of PT's Appearance
K Jedding	The Role of Physical Therapy Intervention in Dance Training
C Gormezano	Patients with SCI Perceptions towards Successful Rehabilitation
M Hobson	Level of Computer Usage and Knowledge of Physical Therapists
M Killian	How Physical Therapists are adapting to Managed Care
B Kramer	Learning Preference Differences between PBL and Non-PBL Master's Level Physical Therapy Students
S Leung	Legal & Ethical Consideration in Physical Therapy: A Case Comparison
S Lewis	Motivating Factors that Influence Minority Students to Join a Medical & Allied Health Magnet Program
R Lim	Physical Therapists' Perception of Referrals from sources other than a Physician *FPTA & APTA Platform
S Lopez	Types of Physical Therapists who Practice Healthy Behaviors
J Lundy	Cognitive Styles of Feldenkrais and Craniosacral Practitioners
B Lurie	Role of PT's in South Florida Community Service Organizations
S Mankuta	Physical Therapists Ratings of the Accuracy of the FIM *APTA Platform & FPTA Platform
G McLeod	Intrarater and Interrater Reliability of the MicroFet 2 Hand-Held Dynamometer *FPTA Platform
A Morrell	Factors Influencing Florida Faculty Members to Enter the Teaching Profession *FPTA Platform
N Nnamdie	Acknowledgment and Influence of Mission Statements on Florida PT's
A Sahlie	Priorities as Reported by PT Faculty for Teaching Entry-Level Students Research
J Spacek	Research Requirements in Physical Therapy Educational Programs
1995-1996	
K Alvarez	Factors Affecting Selection of Continuing Education
M Ferraro	The Factors that Influence Physical Therapists' Plans of Care
S Futterman	Admission Interviews in United States Physical Therapy Programs
M Goldstein	The Influence of CPM on the Perception of Pain
K Griffiths	Decision Making Styles in Physical Therapy
G Jacob	Personality and Job Satisfaction of Physical Therapists within Job Setting
K Jacobson	The Role of Hip Adduction in Preferential Activation of the Vastus Medialis Oblique
P Kalogridis	Relationship of Early Physical Therapy Intervention and Outcomes
R Limehouse	Perceived Levels of Importance of Factors that Influence Job Selection by Physical Therapists
P Sandro	Determining Professional Role Behavior for FPTA Members
D Sexton	Initial Evaluation Forms Used by PT's and Documentation Guidelines
Y Winters	Factors Influencing Clinical Decision Making in Aquatic Physical Therapy
T Zeller	Evaluation of the Saunders Back Program

Research Activity:

- Musolino, GM. *Cultural Competency of Florida Physical Therapy Providers*, 2011-13
- Musolino, GM, Gray, D, Ergle, L., VanDuijn, J & Noonan, A. *Reasons Identified for Obtaining an APTA Clinical Instructor Credential by Participants in APTA CIECP taught in Florida*, 2009-2013
- Musolino, GM & Dunn, L. *Assessing Reflective Thinking for MOT & DPT Students*, The University of Utah, Dept. of PT and Division of OT, 2007-2011
- Musolino, GM. *Civically-Engaged Scholars Service Learning Initiative Grant*, The University of Utah, Lowell Bennion Community Service Center, 2005-2006
- Musolino, GM. *Curriculum Development Grant*, Utah System of Higher Education, Utah Board of Regents, Utah Electronic College Consortium, 2005-2006
- Musolino, GM, Harris, R, Babitz, M, Smith, Y. Chase-Cantarini, S. *Mutual Respect in Health Care: Assessing Cultural Competence for The Interdisciplinary Health Sciences at The University of Utah*—2003-2009
- Musolino, GM. *Determining Instructional Strategies in Physical Therapy Clinical Education*—Spring 2004-2008
- Foreman, B. Albertine, K. Musolino, GM, Morton, D. *The Use of Technological Equipment by Medical, Dental, Physical Therapy, and Occupational Therapy Students at The University of Utah*— 2003-2005
- Musolino, GM. *Evaluation of the Level of Reflective Thinking for Physical Therapy Students at The University of Utah* 2001- 2008
- Musolino, GM, Head, J, Marchant, S, Heaton, G, & Anderson, T. *Adaptive Exercise Programming for Persons with Spinal Cord Injury: A Needs Assessment* – Completed Fall 2003 Submitted for Grant Funding through Dean's Incentive Grant; Spring 2004 (not funded) *Increasing Quality of Life in Mobility Disorders: An Adaptive Exercise/Wellness Program for Persons with Spinal Cord Injury*
- Musolino, GM. *Sitting Beside Oneself: Development and Validation of a Self-Assessment Process for Physical Therapy Students and Graduates*, Nova Southeastern University, Programs for Higher Education Partially Funded – Florida Physical Therapy Association Research Grant, December, 1998
- Musolino, GM. *Comparison of Reflective Practitioner Characteristics of First Year and Second Year Master's in Physical Therapy Students for Nova Southeastern University*, Research Methodology - November 1997
- Musolino, GM *Development & Validation of Portfolios for Nova Southeastern University Physical Therapy Program*, Human Resources Development - October, 1997
- Musolino, GM. *Comparison of Objective Based Evaluation of CAPTE Performance Criteria Ratings of Charter Class Graduates of Nova Southeastern University and the Clinical Instructor; Preparing & Developing Healthcare Professionals of the Future: A Changing Educational Paradigm* - October, 1997
- Musolino, GM. *Development & Validation of Faculty & Student Evaluations for Nova Southeastern University*, Governance & Management, September, 1997
- Musolino, GM. *Impact of a Health Fair on Intermediate School Students*, Good Health, Keep Straight, Community Health Education, SW Baptist University, Bolivar MO

Continuing Education Workshops Conducted/Organized:

- *APTA CIECP South University, Tampa, March 2012 & 2013; NSU, January 2012; Gulf Coast State College, April, 2012, Lakeland Regional Medical Center, June 2012.*
- *APTA Basic Credentialed Clinical Instructor Education Program, FPTA, USF; Florida Hospital, Orlando, Aug 20 & 27, 2010; USF Tampa, FL Feb 26 & 27, 2010; August 27 & 28, 2011; Orlando, FL October 10 & 11, 2009 & CPTA, Kaiser, Vallejo, CA, August 15 & 16, 2009 & Torrance CA, January 8 & 9, 2010*
- *APTA Basic Credentialed Clinical Instructor Education Program, Select Physical Therapy, Anchorage, AK, May 2 & 3, 2009*
- *APTA Combined Sections Meeting, Pre-Conference Course, Las Vegas, NV, The Scholarship of Teaching & Learning: The Role of the New DCE/ACCE/CEC for a Doctoring Profession, Feb 9, 2009*
- *APTA Education Section, National Clinical Education Conference/CESIG-NIC, Ethics Panel, October 4, 2008 & Manipulation for PT Students, October 5, 2008*
- *APTA Basic Credentialed Clinical Instructor Education Program, The University of Utah, Department of PT, Salt Lake City, UT, May 22, 29, 2008; Jan 18, 19, 2008; Sept 26, 27, 28 & Oct 1, 2007*
- *APTA Basic Credentialed Clinical Instructor Education Program, Northwest Intermountain Consortium Conference, University of the Pacific, OR Sept 22- 23, 2007*
- *Preceptor Training: Resolving Clinical Dilemmas, The University of Alaska, Culinary Arts & Hospitality, Anchorage, AK, August 24-25, 2007*
- *APTA Credentialed Clinical Instructor Education Program, Alaska Chapter of the APTA, Providence Alaska Medical Center, Anchorage, AK, April 2007*
- *PT 2006 Annual Conference & Exposition, Annual Conference Program & Planning Committee, Chairperson, FL, 2005-06*
- *APTA Credentialed Clinical Instructor Education Program, Northwest Intermountain Consortium Conference, University of the Pacific, OR, May, 2006*
- *APTA Credentialed Clinical Instructor Education Program, Northwest Intermountain Consortium Conference, Boise, ID, November, 2004*
- *APTA Credentialed Clinical Instructor Education Program, The University of Utah, Division of Physical Therapy, October, 2004; May, 2005; November, 2005, March 2006, March 2007*
- *PT 2005 Annual Conference & Exposition, Annual Conference Program & Planning Committee, Boston, MA, June 2005*
- *PT 2004 Annual Conference & Exposition, Annual Conference Program & Planning Committee, Chicago, IL, June 2004*
- *Cultural Competency & Mutual Respect, The University of Utah Health Sciences: Interdisciplinary Facilitation, 2003-2008*
- *Challenges & Solutions for Clinical Education & Clinical Instructors Credentialing Workshop, Northwest Intermountain Consortium Annual Conference, The University of Utah, Salt Lake City, UT, September 2003; Keynote: Jody Gandy, PT, PhD, APTA Director of Education & Faculty/Clinical Faculty Interactive, Interdisciplinary Presenters: Marcus, Gappmeier, Dibble, Nicholson, Ward, Knapp, Jarvis, Miyasaki*
- *Northwest Intermountain Consortium Annual Conference, Missoula, MT, 2002*
- *Asking Clinical Questions, Searching for Answers: Evidenced-Based Practice, G. Musolino, PT, EdD & R. Lysaught, PhD, OTR, Clinical Education Conference, November 2002*
- *Northwest Intermountain Consortium Annual Conference, University of Washington, Seattle, WA 2001*

Continuing Education Workshops Conducted/Organized (continued)

- *Geriatric Gait & Balance: Clinical Tests & Measures & Treatment Applications*, Kathy Light, PT, PhD, Speaker, Moorings Park, Naples, FL, Sept 14-15, 2001
- *Research Presentations & Workshop*, Florida Physical Therapy Association, Research Committee, FL, August 2001
- *Taping Techniques for Everyday Practice*, Florida Physical Therapy Association, Southwest District, Riverwalk Rehabilitation, Ft. Myers, FL, Tom Pitney, PT, SCS, ATC, Speaker, June 12, 2001
- *Contemporary Issues in Orthopedic Oncology: A PT Perspective*, Florida Physical Therapy Association, Southwest District, Naples Community Hospital, Naples, FL, Robert J. Zehr, MD, Speaker, April 5, 2001
- *The Wonder & Arrogance of Cloning: An Ethical Debate*, Florida Physical Therapy Association, Southwest District, Physical Therapy Associates, Port Charlotte, FL, Craig R. Sweet, MD, Speaker, Jan 11, 2001
- *Fiscally Responsible Therapy*, Florida Physical Therapy Association, Southwest District, Lee Memorial Health Care System, Health Park, Ft. Myers, FL, Richard Hillyer, MBA, MSM, PT, Speaker, October 5, 2000
- *APTA: Guide to PT Practice*, Florida Physical Therapy Association, Southwest District, Extend-A-Reach Program, Fawcett Memorial, Port Charlotte, FL, Gina Musolino, PT, EdD, Speaker, July 2000
- *Updates in Geriatrics & Neurology*, Florida Physical Therapy Association, Southwest District, Moorings Park, Naples, FL, Dr. Brian Kiedrowski & Dr. Mark Rubino, Speakers, April 6, 2000
- *Ending Domestic Violence: The Health Care Professionals Responsibility*, Florida Physical Therapy Association, Southwest District, Southwest Regional Hospital, Ft. Myers, FL, Evelyn Hemp, PA, Speaker, Jan 20, 2000 1.5 CEH's
- *Biomechanics of ACL Reconstruction Related to Physical Therapy Rehabilitation*, Florida Physical Therapy Association, Southwest District, Naples Community Hospital, Naples, Florida, Dr. Michael Havig, Speaker, Oct. 7, 1999 1.5 CEH's
- *Problem-Based Learning: Tutor Training*, Florida Gulf Coast University & University of South Florida Physical Therapy Departments, Needs Assessment - Spring 1999; Tutor Training - Summer 1999
- *2nd Annual Open House Showcase*: Florida Gulf Coast University PT, Fall 1998
- *Research Symposium: An Evening with the Nova Southeastern University MPT Class of July 1997* 1.75 CEH's
- *The New Learning Paradigm: NSU Faculty Symposium*, Planning & Evaluation Committee, May 1996
- *Gifts Differing the Clinical Model*, Rehability Center Team Building Retreat, 1994
- *Motor Control & Motor Learning*, Maria Zichatella, PhD, PT, University of Central Florida, Orlando, Florida, January 1993
- *Peer Instruction-Introduction to Gross Anatomy & PTA Roles*, UCF & Seminole Community College, Fall 1992
- *Health Quackery Workshop*, June 1992, Western Illinois University, Macomb, Illinois
"Unproven Remedies & Self-Management for Arthritis", June 1992

Membership in Scientific/Professional Organizations & Service:

American Physical Therapy Association

Chapters: Florida Physical Therapy Association, 1992-2001; 2009-Current
Utah Physical Therapy Association, 2001-2008
Illinois Physical Therapy Association, 1984-1992
Sections: APTA Education Section SIGs: AF, CE, PTA
APTA Health Policy & Administration Section SIGs: CCISIG
APTA Neurology Section SIGs: Vestibular, SCI, Deg. Disease
APTA Orthopedic Section

Offices Held: Education Section:

Vice-President, 2012-14 2nd term (re-elected) 2010-12 1st (elected)
General Revision – Education Section Bylaws 2011-12
Journal Phys Ther Educ – Editorial Board 2010-13 (appointed)
Promotion, Representative-at-Large, 2006-10 (elected)
CESIG- Nominating Committee Chair, 2004-05 (elected)
CESIG -Nominating Committee Member, 2003-05 (elected)

Florida Physical Therapy Association:

BOD, Director-at-Large, 2011-13 (elected)
Board of PT Practice Liaison (Appointed)
FCCE Liaison (Appointed)
Key Contact Florida HB 799/SB 1228
Physical Therapy – Temp Permit –Signed into Law
FL Delegation, APTA HOD, Chief Delegate, 2012-2014 (elected)
FL Delegation, APTA HOD, *Delegate*, 2010-2014 (elected)
FL Delegation, APTA HOD, *Alt. Delegate*, 2009-10 (elected)
FPTA, FL Assembly
West Central District, Assembly Rep, 2009-12 (elected)
Southwest District Vice Chair, 1998-2000 (elected)
Florida Consortium of Clinical Education, SIG Member, 2009-13

Neurology Section

Advocacy Committee – appointment June 2012 –current

Health Policy & Administration Section

HPA Research Committee 2013-2016

Northwest Intermountain Consortium (NIC) of Clinical Education Programs:

(AZ, CO, ID, MT, NM, OR, UT, WA) Member, 2001-2008;
NIC *Chairperson*, 2005-2008 (elected)

Honor/Service/Philanthropic

APTA Lucy Blair Service

AMBUCS

National Honor Society

Society for Academic Achievement

Mortar Board

Pi Beta Phi

Who's Who – Young American Prof.

Consultative and Advisory Service Positions Held:

- Florida Delegation, Federal Advocacy Event, APTA, April 2012
- Item Writer, Item Writer Committee, National Physical Therapy Examinations, *Federation of State Boards of Physical Therapy*, May-November, 2011
- APTA Academic Council, Task Force on Clinical Education, 2011-current
- *FPTA Task Force on Continuing Education for Clinical Instructors*, Chairperson, FPTA Board of Directors, Appointed, 2011[in Rule making FL Board PT Practice '12]

Consultative and Advisory Service Positions Held (continued)

- *FPTA Task Force on Temporary Licensure* for New Grads in Florida, FPTA Board of Directors, Appointed, 2011; *Testified in Florida House of Representatives Subcommittees and Committees & Lobbied House & Senate [Passed HB 799/SB 1229 Temporary Permit PT/PTA '12/Governor Signed into Law, 2012]*
- FPTA, Legislative Advocacy Forum, West Central District Representative, Tallahassee, FL, March 2011-2012
- APTA Education Section, *Journal of Physical Therapy Education*, Editorial Advisory Board, March 2010-Current
- APTA Abstract Screening Committee, APTA Appointed Groups, BOD: Annual Conference Program Committee, PT 2010, 2009-2013
- APTA Appointed Groups, BOD: APTA Honors & Awards, Awards Committee-Subcommittee on Education July 2009 – December 31, 2012
- PTA Advisory Committee, Florida Career College, 2008-2012; fully accredited 2012
- Peer Reviewer, *Academic Medicine*, 2008 - current
- Peer Reviewer, APTA, *Journal of Physical Therapy*, 2007- current
- Peer Reviewer, APTA, Education Section, *Journal of Physical Therapy Education*, 2007- Current
- Chair, Northwest Intermountain Consortium, Fall 2005 – Fall 2008
- APTA Education Section, Leadership: Section Promotion, Representative-at-Large, 2006-2010 (elected, 2 terms)
- Chairperson, APTA National Annual Conference Program Committee, APTA Appointed Groups, 2005-2006 (elected)
- APTA National Annual Conference Program Committee, APTA Appointed Groups, BOD, 2003-2006
- Salt Lake Community College, Physical Therapist Assistant, Program Advisory Committee, 2004-2008
- Peer Reviewer, *Journal of Allied Health*, 2004-current
- Cultural Competency & Mutual Respect, Facilitator UHSC, 2003-2008
- APTA Education Section, Clinical Education SIG, Nominating Committee, 2002-2005
- Education Section, Subcommittee – National Conference Program Review Committee APTA, 1999-2003
- Florida Physical Therapy Association, Research Committee, 2000 - 2001
- Abstract Reviewer, APTA, Education Section, Combined Sections Meeting, San Antonio, TX 2000-2001
- Abstract Reviewer, APTA, Education Section, Combined Sections Meeting, New Orleans, LA, 1999-2000
- Task Force, Faculty Symposium on Learning and Teaching, Office of Academic Affairs, Learning Outcomes Initiative, Nova Southeastern University, Spring 1996-June 1998
- Vice-Chairperson, Graduate Student Council, Programs for Higher Education, Nova Southeastern University, Ft. Lauderdale, FL, 1995-1996
- Graduate Student Representative, Graduate Student Council, Tampa Cluster, Nova Southeastern University, Programs for Higher Education, Ft. Lauderdale, FL 1995-96
- Occupational Medicine Committee, Quincy, Illinois, 1991-1992
- Quincy Health Care Coalition/Advisory Board, 1991-1992
- YMCA, Ad Hoc Fitness Committee, 1990-1992

Community Service:

- APTA Federal Advocacy Forum, April 22-24, 2012, Washington, DC with Congressional visits [Traumatic Brain Injury Act (HR 4238); Student Loan Repayment (HR 1426/S975); Medicare Access to Rehabilitation Services (HR 156/S829)]
- FPTA State Advocacy Day, Spring 2012, Tallahassee, FL – addressed FL House of Representatives Subcommittees, re HB 799 and Senate visits SB 1228/Physical Therapy, Temporary Permit for PT/PTAs – Passed Unanimously
- PT Day on Capitol Hill, FL Delegation, Washington DC, PT 2011
- Clinical Mentor/Clinical Instructor, USF Bridge Clinic, Student-Run, Underserved/Uninsured Clinic, 2009-current
- APTA New Professional Career Development Events, CSM & PT: 2008-2012
- Parkinson's Disease, IL Community Support Group, Speaker, 2009-2011
- APTA Combined Sections Meeting, Platforms Moderator, 2003 -2009
- Volunteer, Salt Lake City Marathon, 2008-2009
- The Church of St. Peter, Annual Health Fair Volunteer, June 2006-June 2009
- Cathedral of the Madeline, Good Samaritan Program/Volunteer 2004-2008
- Educational Resource Council Development Scholarship, College of Health, Review Committee, Feb. 2005
- Commencement Honorary Banner Carrier, College of Health, The University of Utah, May 2003
- Cathedral of the Madeline, Lector/Volunteer, 2001-2003
- Health Care on the Move in conjunction with the Imaginarium, 2000
- Naples Chapter of AMBUCS International, Inc. 1999- current, member, and local Scholarship for Therapists Coordinator
- FPTA, Research Committee, 2000- 2001; SWD Extend-A-Reach Committee, 2000; SWD Vice-Chair, 1998-2001; & Legislative Key Contact, 1999
- Interactive Health Exhibit, Imaginarium Hands-On Museum & Aquarium, City of Fort Myers, Winter/Spring 1999 in conjunction with Community Based Experiences in Healthcare III: In Action
- FGCU, Faculty Student Advisor, PT Student Government Association 1998-1999; Eagle's Wing Mentor, 2000; 2nd Annual Physical Therapy Open House, Oct 1998
- Florida Gulf Coast University, Co-developed, Prostate Cancer TV Program & Website, Heinemann, Dugas, Musolino, "Deadly to Men" in cooperation with FGCU CHP & WFCU-TV, air dates June & August 1999
- Pi Beta Phi Alumnae, Mentor to Active Career Program, 1995- present
- Our Lady of Light, Roman Catholic Community, Lector Volunteer, 1998-1999
- Medical Team Volunteer, University of Central Florida Knight Marathon, Orlando, Florida, 1994
- Walt Disney World Marathon, Medical Team Volunteer, Lake Buena Vista, Florida, 1993-1994
- World Cup Soccer, Medical Team Volunteer, Orlando, Florida, 1994
- Optimist International, Job Shadow Scholarship Program, Altamonte Springs, Florida, 1994
- Charity Challenge VIII, Participant/ Charity Challenge, Orlando, Florida, 1993
- Variety Club International, Orlando Regional Healthcare System, volunteer, Orlando, Florida, 1993 National Gymnastics Championships
- Volunteer athletic services @ Greenleefe Resort, Haines City, Florida, 1993

Community Service (Continued):

- Quincy Branch Coordinator Arthritis Foundation, Arthritis Group for Education and Support, Quincy, Illinois, 1991
- Athletic Service Volunteer, Gus Macker Charity Basketball Tournament, Quincy, Illinois, 1991-92
- Arthritis Foundation, Board of Directors & Public Relations Coordinator, West Central Illinois Chapter, 1989 to 1992
- Speakers' Bureau, Blessing Hospital Quincy, Illinois, 1991-1992

Services to the University/College/School on Committees/Councils/Commissions:

The University of South Florida, Tampa, FL 2009 – current

School of Physical Therapy & Rehabilitation Sciences:

- Leadership Team 2009-current
- SPTRS Faculty liaison to the FPTA FL Student Conclave USF SPTRS 2011-12
- SPTRS Faculty and Staff Annual Giving Campaign, Co-Chair, 2009-12
- SPTRS, Academic Faculty Search Committee, 2011- current
- SPTRS Ad Hoc SPTRS Departmental Evaluation Committee, 2009-current
- SPTRS Curriculum Committee, *ex officio*, 2009 – current
- SPTRS Academic Performance Review Sub-Committee, *ex officio*, 2009-current
- SPTRS, Clinical Advisory Group, Chair, 2009-current

College of Medicine:

- Bylaws Committee, USF COM, October 1, 2011-September 30, 2013
- Review Committee, USF COM, Office of the Vice Dean, Educational Affairs, 1st Annual Educator Excellence Awards, 2011; 2nd Annual 2012; 3rd Annual 2013
- APRC/APRSC Interprofessional Work Group, College of Medicine, 2010-2011
- Professional Student Affairs Committee, 2009-current

The University of Utah, Salt Lake City, UT 2001-2008

(Re-accreditation-Full, progression MPT to DPT, initiated ppDPT & PhD)

- McNair Scholar Mentor (Shontol Torres Burkhalter), McNair Program, Westminster University and The University of Utah, 2004-2008
- College of Health, Curriculum Committee, Division of PT Representative 2007-2008
- College of Health, Student Advisory Committee, Division of PT SAC Representative 2001- 2006
- Chair, Northwest Intermountain Consortium of Clinical Educators, 2006-2008
- Northwest Intermountain Consortium of Clinical Educators, 2001-2008
- Division of Physical Therapy Admissions Committee, 2002-2008
- Area Health Care Education Consortium Network, Clinical Education Committee, 2001-2008
- College of Health Rep, HIPAA Regulatory Office, Security Subcommittee, 2004
- College of Health Representative, School of Medicine, Diversity Committee & Train-the-Trainers, 2002-2008
- Division of Physical Therapy DPT-MPT Transition & post-professional DPT Committees, 2002-2006
- College of Health Representative, HIPAA Regulatory Office, Academic Subcommittee, 2002-2003
- College of Health, Division of Occupational Therapy, Admissions Subcommittee, 2002-2004
- Division of Physical Therapy Faculty Search Committee, 2002-2003

- Healing Hands for Haiti Educational Advisory Board & Division Liaison, 2002-2005
- Division of Occupational Therapy–Faculty Search Committee, 2002-2003

Florida Gulf Coast University, Ft. Myers, FL 1998 – 2001

(New university and new program/Accredited):

- Coordinated local Scholarships for PT & OT Students with FPTA & Naples Chapter AMBUCS, 1999 - 2001
- Code of Conduct Committee-University-wide, Office of the Dean, Division of Student Services, 1998 - 2001
- Student Services, Division of Student Health & Counseling, Nurse Practitioner Search Committee, 2000
- FGCU Eagle Mentor–Service Learning, 2000 & University-wide Tutor Advisory Committee 1998-1999
- Alcohol & Other Drugs Prevention Committee, Office of Counseling & Student Services, 2000 - 2001
- PT Committees: Admissions, Student Affairs, Community Affairs & Curriculum Review 1998 - 2000
- Department of Physical Therapy, Search Committee for Executive Secretary, 1998
- Faculty Senator - College of Health Professions Senator, Faculty Senate, 1998-2000
- Faculty Advisor – Physical Therapy Student Government Association, 1998 - 2000
- Institutional Affairs Committee - FGCU, Faculty Senate, & Committees Task Force 1998 - 2000
- Teaching Incentive Program (TIP) - Awards Selection Committee, Florida Gulf Coast University, 1999
- Prostate Cancer Program Development & Evaluation - "Deadly to Men" in cooperation with FGCU College of Health Professions & WGCU-TV/PBS Channel 30/Cable 3; Television Program with Physician Panelists for call-in show & Prostate Cancer Survivors & Spouse Survivors; Website & Brochure Design & Development; - airdates June & Rebroadcast June 19th & August 1999 - with Denise Heinemann, Acting Dean & Terry Dugas, Media Services
- Developed Peer Faculty /Faculty & Course Evaluations for Physical Therapy Department, May 1998

Nova Southeastern University, Ft. Lauderdale, FL 1995-98*(new program/Accredited with Commendation):*

- Admissions Interview Committee - PT Department
- Thesis Review - PT Department
- Curriculum Resources Committee - PT Department
- Curriculum Revision Committee - PT Department
- Learning Outcomes Committee & Task Force - University Wide Initiative, Academic Affairs, Office of the Vice President
- Team ACCE 1996-1997
- Exam Design & Development PT 1 Fall 1997 & PT 2 Winter 1997 & 1998
- Course Leader, Case Studies 1A, Fall 1997
- Unit Leader Case Studies 1B2 Fall 1997
- Portfolio Criteria & Corollary Assessment Instrument, & Development, Fall 1997
- Course Evaluations, Design & Development, 1995-1996
- Team B/ Research Coordinator 1995-1996

- Course Coordinator:
Clinical Signs & Symptoms I, Fall 1995; Clinical Signs & Symptoms II, Spring 1995;
Movement Science, Summer 1995; Diagnosis I, Fall, 1996; Diagnosis II, Fall 1996;
Diagnosis III, Spring 1996;
- Faculty Team B/Leader Fall 1995

University of Central Florida, Orlando, FL, 1992-1993 (*new program*):

- Library Development Committee, PT Department Representative
- College of Health & Public Affairs, Pre-PT Advisement Sessions
- Department of Physical Therapy, Executive Committee & Admissions Committee
- Department of Physical Therapy, Search Committee for Anatomist/Neuroanatomist

Honors and Awards:

- *APTA Lucy Blair National Service Award for Exceptional Value to the Association*, June, 2012
- FPTA 2009 Government Advocacy Grant for State Government Affairs Forum Representative for the Florida Chapter, Phoenix, AZ
- *PT 2008 Annual Conference Program Committee Abstract Recognition for Outstanding Abstract representing APTA Vision 2020 and scholarship*.
Stevens, J (dec.), Musolino, GM, Ballard, J. *Physical Therapy Tests and Measures for a Patient with Parkinson's disease for Consultation with Referring Neurosurgeon for Potential Deep Brain Stimulation Surgery*, PT 2008, San Antonio, TX, June 13, 2008
- *Alumni Award*, Washington University School of Medicine, Program in Physical Therapy, St. Louis, MO, September 15, 2007
- The 2005 *Feitelberg Journal Founder's Award*, *Journal of Physical Therapy Education*, Editorial Advisory Board, award for excellence in manuscript, Feb. 2005
- *Award of Merit in Technology Delivered Instruction*, The Utah System of Higher Education, Utah Electronic College Consortium, Salt Lake City, UT, May 2004
- *Nominee*, Utah Electronic College, *USHE Exemplary Faculty Use of technology Award*, 2003-2004
- Florida Gulf Coast University, *Leadership Diversity Program*, Participant, 1999-2000
- Florida Gulf Coast University, APTA Student Assembly Award, *Student Outreach for Cultural Diversity Awareness Award* (SOCDA), for learning outcomes of Community Based Experiences in Health Care III: In Action, Harlem Heights After-School Program & The City of Ft. Myers, Imaginarium, June 1999
- *Research Excellence Award*, Major Applied Research Project-Dissertation, Nova Southeastern University, Fischler Graduate School, Programs for Higher Education, *Sitting Beside Oneself: Development and Validation of a Self-Assessment Process for Physical Therapy Students & Graduates*, April 1999
- *Outstanding Designation* by Dissertation Committee, Major Applied Research Project-Dissertation Award, Nova Southeastern University, Fischler Graduate School, Programs for Higher Education, *Sitting Beside Oneself: Development and Validation of a Self-Assessment Process for Physical Therapy, Students & Graduates*, January 1999
- *Outstanding Excellence* - Practicum Report Designation, nominated for Outstanding Education Improvement Projects, Nova Southeastern University, Programs for Higher Education, *Development and Validation of Portfolio Criteria and Corollary Assessment for Nova Southeastern University Physical Therapy Program*, Oct 1997

Honors and Awards (continued):

- *Vice-chairperson*, Graduate Student Council, Programs for Higher Education, NSU, 1995-1996 (elected by peers)
- *Graduate Student Council Representative* (Tampa Cluster), Graduate Student Council, Programs for Higher Education, Nova Southeastern University, August 1995- August 1996
- Nova Southeastern University, Commission on Accreditation of Physical Therapist Programs, *Accreditation with Commendation*, Physical Therapy Program, 1995
- *High Pass Designation* for Leadership Seminar Course, Programs for Higher Education, Fall 1994
- *Outstanding Customer Service*, Rehability Corporation, Region VII/Orlando, FL, November 1994
- *Southeast Division Center of the Month*, for Achievement of Practice Objectives, Rehability Corporation/TN, Feb 1994
- *Who's Who Among Young American Professionals*, 1992
- *Beatrice F. Schulz Award for Outstanding Clinical Achievement*, Washington University School of Medicine, Program in Physical Therapy, October, 1987
- *Mortar Board*/Northern Illinois University, Spring, 1984
- *Society for Academic Achievement*, National Honor Society, 1982

Continuing Education:

- *FPTA Spring Conference, Orlando, FL, March, 2013 - planned*
- *APTA Combined Sections Meeting, San Diego, CA, January, 2013*
- *APTA Educational Leadership Conference, October, 2012*
- *FPTA Fall Conference & Assembly of Representatives, Sept 2012*
- *APTA PT 2012, Tampa FL, June 6-9, 2012*
- *APTA Federal Advocacy Forum, Washington, DC, April 22-24, 2012*
- *APTA Audio Course: Health Care Reform, What's New for 2012, Mar 22, 2012*
- *APTA Combined Sections Meeting, Chicago, IL, Feb 8-12, 2012*
- *Sloan Consortium, International Conference, Orlando, FL, November 9-11, 2011*
- *INFORMED Physical Therapy Update. Medical Errors Prevention (.2 CEU) & HIV/AIDS Update (.1 CEU), Jan 2012*
- *Ethics & Jurisprudence: Medical Errors in PT, November, 1, 2011*
- *CAPTE Self-Study Workshop, October 3-4, 2011*
- *APTA Education Leadership Conference, Clearwater, FL, October 1-3, 2011*
- *APTA Annual Conference, PT 2011, National Harbor, June 2011*
- *FPTA Spring Conference, Orlando, FL, April 1-3, 2011*
- *APTA Combined Sections Meeting, New Orleans, LA, Feb 8-12, 2011*
- *Whitney and Betty MacMillan Symposium, Professionalism in Health Care: A Call to Action, MAYO Clinic School of Continuous Professional Development, Amelia Island, FL, Nov 11-13, 2010*
- *APTA Education Leadership Conference, San Antonio, TX, October 2010*
- *FPTA FL Physical Therapy Association, Fall Conference, September, 2010*
- *FPTA West Central District Meeting & Exercise Dosing Ed Conference, Aug 7, 2010*
- *APTA Annual Conference, PT 2010, Boston, MA, June 15-19, 2010*
- *APTA Membership/Promotion Chair Conference, Alexandria, VA, March 27-28, 2010*
- *APTA Combined Sections Meeting, San Diego, CA, February, 2010*
- *APTA Education Leadership Conference, Philadelphia, PA, October 2-4, 2009*
- *APTA State Government Affairs Forum, (1.45 CEU) Phoenix, AZ, Sept 13-15, 2009*

Continuing Education (continued):

- Florida Physical Therapy Association, *Annual Conference*, (.5 CEU) September 2009
- *INFORMED Physical Therapy Update. Medical Errors Prevention* (.2 CEU) & *HIV/AIDS Update* (.1 CEU), Aug 2009
- *APTA Code of Ethics and Standards of Ethical Conduct*, (.2 CEU) USF Health and FPTA, Tampa, FL, July 18, 2009
- *APTA Annual Conference, PT 2009*, Baltimore, MD, June 2009 (2.1 CEU)
- *APTA Physical Therapist Clinical Performance Instrument for Students: A Self-Guided Training Course*, APTA Learning Center (.2 CEU), May 20, 2009
- *FPTA West Central District Meeting & Preventing Health Care Errors Course*, S. Nicholson, JD, PT, (.2 CEU) April, 2009
- *FPTA Annual Spring Conference*, Orlando, FL March 20-21, 2009
- *Embracing Clinical Education Standards, A Work in Progress*, APTA Clinical Education Regional Consensus Conference, Florida Consortium of Clinical Education, March 13, 2009
- *APTA Combined Sections Meeting*, Las Vegas, NV, Feb 2009 (2.4 CEU)
- *Advanced Train-the-Trainer*, November, 5-8, 2008, APTA, Alexandria, VA
- *Educational Leadership Conference & National Clinical Education Conference*, October 3-5, 2008, Phoenix, AZ (2.8 CEU)
- *CAPTE Self-Study Workshop*, October 1-2, 2008, Phoenix, AZ
- *CAPTE New Program Development Workshop*, Sept 23, 2008, Alexandria, VA
- *APTA Physical Therapy Manuscript Review*, (.3 CEU) APTA Learning Center, September – December 2008
- *Advanced APTA CIECP*, Orlando, FL, August 2008 (1.675 CEU)
- *PT 2008 National Conference*, San Antonio, TX, June 2008 (2.4 CEU)
- *APTA Physical Therapy Manuscript Review*, (.3 CEU) APTA Learning Center, April – June 2008
- *HIPAA Certification: Advanced, Research, Marketing, & Academics*, May 2008
- *APTA Educational Leaders Conference*, Minneapolis, MN, Oct 2007
- *Steven J. Rose Symposium, Exercise and Nutrition to Enhance Human Performance*, Washington University, School of Medicine, Program in PT, St. Louis, MO, Sept. 14, 2007
- *APTA PT 2007 National Conference*, Denver, CO, June 2007 (2.7 CEU)
- *HIV AIDS Update*, Innovative Educational Services, Coral Springs, FL (.1 CEU)
- *Medical Errors in Physical Therapy*, Innovative Educational Services, Coral Springs, FL (.2 CEU)
- *APTA Combined Sections Meeting*, Boston, MA February 2007 (2.1 CEU)
- *CAPTE Department of Accreditation, Self-Study Workshop*, Boston, MA Feb 2007 (12.75 CEU)
- *Fifth National Conference on Quality Health Care for Culturally Diverse Populations: Building the Essential Link between Quality, Cultural Competence and Disparities Reduction*, Seattle, WA October 2006
- *APTA Education Section Educational Leaders Conference*, Arlington, VA Oct 2006
- *Northwest Intermountain Consortium & Conference*, Albuquerque, NM October 2006
- *PT 2006 APTA Annual Conference & Exposition*, Orlando, FL June 2006
- *Service-Learning: State of Engagement*, UT Campus Compact, Board of Regents, SLC, UT May 2006
- *UT Campus Compact, Engaged Scholar Institute*, Moab, UT, February 2006
- *APTA Combined Sections Meeting*, San Diego, CA, February, 2006 (2.1 CEU)

Continuing Education (continued):

- The Centers for Disease Control & Office of Minority Health, *Department of Health & Human Services, National Leadership Summit on Eliminating Racial & Ethnic Disparities in Health; Embracing a Common Destination: Improving Health Outcomes for All Americans*. Washington, DC, January 9-11, 2006 (1.45 CEU)
- APTA Education Section Academic & Clinical Education Conference, Pasadena, CA, October, 2005
- Utah Campus Compact Civic Engagement Conference & Retreat, Snowbird, UT, August, 2005
- American Physical Therapy Association, *National Conference & Exhibition*, PT 2005, Boston, MA, June 2005
- APTA Combined Sections, Meeting February, 2005 (2.5 CEU)
- 2004 UHSC HIPAA Privacy and Security Training November 11, 2004
- National Clinical Education Conference, St. Louis, MO October 2004
- FIPSE Workshop, St. Louis, MO October 2004
- APTA Annual Conference, Chicago, IL June 2004 (2.4 CEU)
- APTA Train-the-Trainer, *Clinical Instructor Education & Credentialing Program - Credentialed Trainer* April-May, 2004 (22.5 CEU)
- The University of Utah Health Sciences Center, *HIPAA Re-certification*, May, 2004
- APTA Combined Sections Meeting, Nashville, TN February 2004 (2.75 CEU)
- APTA Clinical Instructor Education & Credentialing Course, Regis University, October 2003 (1.5 CEU)
- APTA Annual Conference, Washington DC June 2003
- The University of Utah Health Sciences Center, *HIPAA Certification*, March 2003
- APTA Combined Sections Meeting, Tampa, FL February 2003
- Clinical Decision Analysis Course, The University of Utah & University of Pittsburgh, School of Medicine, Dec 2002
- Research and External Support Mechanisms, University of Utah, SLC, UT April 2002
- Prevention of Medical Errors & HIV/AIDS Updates, March 2002 & June 2007
- Hunting, Gathering & Delivering in the Information Age, The University of Utah, Eccles Health Sciences Library, UT 2002\
- National Academies of Practice & Interdisciplinary Health Care Team Conference, Arlington, VA, April 2002
- APTA Combined Sections Meeting, Boston, MA February 2002
- Utah Physical Therapy State Conference, Fall 2001
- FPTA State Meeting & Assembly, Daytona Beach, FL, August 2001
- APTA National Meeting, PT 2001, Anaheim, CA, June 2001*

(*prior to this date CEU– not included)

Current Teaching Responsibilities in the Entry-Level Program:**University of South Florida 2009-2012**

Course Number and Title	Credit Hours	TOTAL SCHs	Level
PHT 8843 Clinical Education III	Spring /Summer	12.0	DPT
PHT 6841 Clinical Education I	Summer	4.0	DPT
PHT 7842 Clinical Education II	Summer /Spring	6.0	DPT
PHT 7241 Professional Issues 1	Fall	3.0	DPT

TEACHING RESPONSIBILITIES, PHYSICAL THERAPY PROGRAMS

Rehabilitation Essentials – Capstone Advisor - Tampa, FL & Missoula, MT

Feb 2013 – current PHT 7399 Capstone Project – tDPT

The University of Utah, Division of PT, College of Health, Salt Lake City, UT 2001-08

(program progress from MPT to DPT, Full Re-accreditation CAPTE, and new ppDPT program & PhD in Rehab Sciences)

- Ph Th 1010-090 Foundations of Physical Therapy: An Introductory Course (new course) Undergraduate Pre-Professional
- Clinical Education: PhTh 6800 Clinical Experience I /MPT & DPT
- Clinical Education: PhTh 6820 Clinical Experience II /MPT & DPT
- Clinical Education: PhTh 6830 Clinical Experience III/MPT & DPT
- Clinical Education: PhTh 6850 Clinical Experience IV/MPT & DPT
- Clinical Education: PhTh 7860 Clinical Internship III - DPT
- Clinical Education: PhTh 7840 Clinical Internship II – DPT
- Clinical Education: PhTh 7810 Clinical Internship I - DPT
- PhTh 7100 & 7270 Teaching & Learning I & II: Service-Learning (new courses) – DPT & ppDPT
- Ph Th 7910-30 Research Practicum & Ph Th 7970 Grad Seminar DPT & ppDPT
- Ph Th 7900 Independent Study DPT & ppDPT
- Ph Th 6260 PT's as Educators MPT
- Cultural Competency & Mutual Respect Interdisciplinary Modules 1-4 [SOM, SON, PHARM, DPT] (new course) DPT
- PhTh 7090 Research & Evidence-based Practice –Qualitative components (new course) DPT
- Ph Th 6900 Introduction to Research for Physical Therapy MPT

Florida Gulf Coast University, Fort Myers, FL 1998 – 2001

(All new course design and development in a new program & new university – program received accreditation)

College of Health Professions (CHP), Physical Therapy Department,

Team Teaching PT & Website Design & Development – Distributed Learning Series

- CHP, Interdisciplinary Core: Senior Seminar, I H S 4938, Fall/Spring/Summer 1999-2001; developed 1998
- CHP, Interdisciplinary Core: Research Methods in Health Care Disciplines, I H S 4504, Fall 2000 Co-developed Summer 2001-teaching
- CHP Core Interprofessional: Nursing, OT, PT, CLS, IDS Re-developed Core Course Series & Evaluation Development
CHP- Physical Therapy Department:
- Topics in Physical Therapy II – hybrid/blended learning course
- Community Based Experiences in Health Care I, II, III; 1998-2000 – hybrid
- Orientation - PBL & Integrated Clinical Practice Series-Sum1999
- Integrated Clinical Practice I – Course Coordinator and Faculty–Fall 1999
- Integrated Clinical Practice II – Faculty, Spring 2000
- Integrated Clinical Practice III- Faculty, Summer 2000
- Fundamental Skills in PT – Faculty, Summer 2000
- Community Based Experiences in Health Care III: IN Action–Faculty & Coordinator-Spring 2000

Nova Southeastern University, Ft. Lauderdale, FL, Problem-Based Learning & Team Teaching 1995 – 1998

(All new course design and development in a new program – program received accreditation with commendation CAPTE)

Problem-based Learning Courses:

- Professional Issues IA/B/C/D 97-98
- Case Studies IA/B/C/D/E 97-98
- Professional Development IA/B/C/D 97-98
- Case Studies IIA/B/C/D, Fall/Winter 1997
- Tier II, ACCE, Team, Clinical Education, Spring/Summer, 1997, 1998
- Tier I, ACCE, Team, Clinical Education, Spring 1996, 1998
- Managing Quality in Physical Therapy I & II, Winter, Spring 1996-1997
- Interventions & Interventions Practice I, I & III, Winter, Spring 1996-1997
- Case Studies, Spring 1997; Clinical Signs and Symptoms II, Spring 1996, 1997
- Introduction to Physical Therapy, Data Base II, Spring 1996, 1997
- Socialization for Patient Care II, Spring 1996, 1997
- Movement Science, Summer 1996, 1997;
- Human Movement Case Studies, Summer 1996, 1997
- Physiological Foundations of PT, Interventions, Summer 1996
- Clinical Signs and Symptoms I, Fall 1995;
- Introduction to Physical Therapy, Data Base I, Fall 1995
- Socialization for Patient Care I, Fall 1995

University of Central Florida, Orlando, FL, 1992-1993:

(All new course design and development in a new program, program received accreditation)

Adjunct Assistant Professor:

- Theory & Procedures I, Fall 1992
- Theory & Procedures II, Spring 1993
- Child Growth & Development, Summer – Course Coordinator 1993
- Research Module Seminar-Post Graduate Kuwait PT Summer Student Exchange to UCF 1993

Rose M. Ortega Pignataro, PT, DPT, CWS
5047 Cypress Palms Drive
Tampa, Florida 33647

(631) 827-3008

rpignata@health.usf.edu

Professional Skills: Clinical background in physical therapy including wound management, orthopedics, geriatrics, and aquatic therapy; Academic background in graduate level education for rehabilitation sciences, including clinical placement and supervision of entry-level physical therapy students

Academic Appointments:

**School of Physical Therapy and Rehabilitation Sciences
University of South Florida: Morsani College of Medicine**

- Instructor: 2012 – present

University at Stony Brook Program in Physical Therapy

- Clinical Assistant Professor: 1999- 2012
- Academic Coordinator of Clinical Education; 2004-2009
- Clinical Consultant – Rehabilitation Medicine/ Physical Therapy; Adapted Aquatics Program; 1999-2009

Professional Experience:

Florida, New York, and West Virginia State Licensed Physical Therapist
Certified Wound Care Specialist – American Board of Wound Management
Basic and Advanced Laser Therapy Certification – Meditech International
Certified Clinical Instructor – American Physical Therapy Association

Rocky Point Physical Therapy: 1999 – 2009

Hampton Physical Therapy: 2003 - 2004

Good Samaritan Hospital: 2001-2003

- Wound Care Committee, Geriatric Care Team

University Hospital at Stony Brook (part-time): 2000-2001

Central Suffolk Hospital (part-time): 1998-2000

Robert Panariello, PT, PC: 1994-1998

- Director of Physical Therapy

St. John's Episcopal Hospital: 1994

Port Jefferson Physical Therapy: 1991-1994

Ronkonkoma Sports Medicine (part-time): 1991-1994

New York University Medical Center: 1990 -1991

- Rusk Institute of Rehabilitative Medicine

Education:

West Virginia University: Department of Community Medicine
Program in Public Health, 2009 - present
PhD Candidate

Stony Brook University

Doctorate of Physical Therapy, 2005
MS, Health Science Education, 1999

Hunter College

Program in Physical Therapy, 1990

Professional Presentations/ Publications:

"The Role of Physical Therapists in Smoking Cessation: Opportunities for Improving Treatment Outcomes," Pignataro, R., Ohtake, P., Swisher, A., Dino, G. *Physical Therapy*, 2012, 92(5), 757-766.

"Tobacco Use in Rural Populations," Dino, G., Pignataro, R., Horn, K., Anesetti-Rothermel, A. In *Rural Populations and Health*, Richard Crosby, PhD, ed., John Wiley & Sons, 2012.

"Diabetic Peripheral Neuropathy: A Qualitative Inquiry," Pignataro, R., Poster presentation, West Virginia University, Van Liere Research Day, April, 2012.

"Adolescent Smoking Cessation: Promising Strategies and Evidence-Based Recommendations," Dino, G, Pignataro, R, Breland, A, Murray, P, Horn, K. *Adolescent Medicine*, 2011 (22): 614-630.

"Determinants of Adherence in an Evidence-Based Group Exercise Program for People with Arthritis," Pignataro, R, Zhang, R, Eicher, J, Jones, D. Poster presentation, American Physical Therapy Association Combined Sections Meeting, Feb, 2011, New Orleans, La.

"Handgrip Strength Among Older American Indians: the Native Elder Care Study," Goins, RT, Pignataro, RM, Dong, L, Rogers, J. *Age and Ageing* (2011); 40(4):523-527.

"Chemotherapy Induced Peripheral Neuropathy: Risk Factors, Pathophysiology, Assessment and Potential Physical Therapy Intervention," *Rehabilitation Oncology*, April, 2010; Pignataro, R. & Swisher, A.

"Ray of Hope: Emerging Evidence Supports Laser Light Therapy as a Valued Rehab Intervention," *Advance for Physical Therapists*, June 10, 2010

The Use of Low Intensity Light Therapy for Treatment of Diabetic Peripheral Neuropathy – educational session, North American Association of Laser Therapy, Annual Conference, 2010

Current Advances in Wound Management – educational session, American Physical Therapy Association, Combined Sections Meeting, 2009

“Glowing Edges: An Appraisal of Laser Models and Applications,” Advance for Directors in Rehabilitation, March 2008

The Use of Low Intensity Light in Physical Therapy, poster presentation - International Laser Therapy Conference, Toronto, Canada, June 2008

Low Intensity Light Therapy: Is it Really Effective? – educational session, American Physical Therapy Association, Combined Sections Meeting, 2008

A Novel Approach to Student Clinical Placements: American Physical Therapy Association, Education Section National Meeting, Minneapolis, 2008

Student Learning Styles and Use of Online Teaching Resources; Pignataro, R. & Blatt, D., poster presentation, Conference on Instructional Technology, May 2007

Committees and Honors:

- Board of Directors, North American Association of Laser Therapy, 2009-2012
- Member of the American Physical Therapy Association, 1986 – present
- Alpha-Eta National Honor Society of the Health-Related Professions
- Community Service Award – Adapted Aquatics Program, Stony Brook, New York
- Award for General Excellence – Stony Brook University, School of Health Technology and Management, 1999
- Reviewer – Disability and Health

CURRICULUM VITAE

William Sanford Quillen
 16417 Turnbury Oak Drive, Odessa, FL 33556
 813-974-9863
 School of Physical Therapy and Rehabilitation Sciences, University of South Florida Morsani College of Medicine

Education:

Institution	Location	Duration of study	Field of study	Degree name	Date degree received
University of Montana	Missoula, MT	From 2009 to 2011	Physical Therapy	DPT	2011
University of Virginia	Charlottesville, VA	from 1986 to 1989	Sports Medicine	PhD	1989
Golden Gate University	San Francisco, CA	from 1985 to 1986	Health Services Management	MPA	1986
University of Central Arkansas	Little Rock, AR	from 1975 to 1977	Physical Therapy	BS	1977
University of Missouri	Columbia, MO	From 1973 to 1974	Developmental & Adaptive Physical Education	MEd	1974
Springfield (MA) College	Springfield, MA	from 1969 to 1973	Health & Physical Education	BS	1973

Licensure Information/Registration Numbers:

Licensed Physical Therapist: Florida #PT 21617

Certifications (eg, ABPTS):

Certified Clinical Specialist, Sports Physical Therapy (SCS), #37, American Board of Physical Therapy Specialties, 1987 – Recertified 1999 – Retired 2009

American Red Cross–Community First Aid & Safety, Sports Safety Training and Emergency Response Instructor, 1997

FAA Licensed Commercial Pilot–Instrument Rating, 2002

Employment and Positions Held:

2005-present	Associate Dean, Morsani College of Medicine Professor and Director, School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida, Tampa, Florida
2004-2005	Professor and Director (tenured), School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida, Tampa, Florida
2003-2004	Adjunct Associate Professor (not tenure-eligible), Department of Orthopaedic Surgery Indiana University School of Medicine, Indianapolis, Indiana
2000-2003	Adjunct Associate Professor (not tenure-eligible), Department of Family Medicine Indiana University School of Medicine, Indianapolis, Indiana
1998-2004	Associate Professor (tenured) and Chair, Department of Physical Therapy, School of Health and Rehabilitation Sciences Indiana University, Indianapolis, Indiana

- 1995-1998 Associate Professor and Chair (tenure track), Department of Physical Therapy
College of Mount St. Joseph, Cincinnati, Ohio
- 1994-1995 Assistant Professor – (tenure track) School of Physical Therapy
Texas Woman's University, Houston, Texas
- 1993-1994 Adjunct Assistant Professor (not tenure eligible), School of Physical Therapy
Texas Woman's University, Houston, Texas
- 1991-1994 Assistant Professor (non tenure status), US Army—Baylor University Graduate Program in
Physical Therapy
Academy of Health Sciences, Ft. Sam Houston, TX
- 1990-1998 Assistant Clinical Professor (non tenure status), Department of Pediatrics, Uniformed Services
University for the Health Sciences
F. Edward Hebert School of Medicine, Bethesda, MD
- 1990-1990 Lecturer (not tenure-eligible), Program in Physical Therapy
Shenandoah University, Winchester Medical Center, Winchester, VA
- 1987-1989 Adjunct Assistant Professor (non tenure status), Physical Therapy Program
West Virginia University, Morgantown, West Virginia
- 1986-1989 Adjunct Instructor (not tenure-eligible), Health and Physical Education—Division of Sports
Medicine and Athletic Training, University of Virginia, Charlottesville, Virginia
- 1985-1987 Adjunct Assistant Professor (not tenure-eligible), Division of Community Health - Physical
Therapy
Old Dominion University, Norfolk, Virginia
- 1975-1994 Commissioned Officer, Medical Service Corps, United States Navy
- 1994 Honorably Retired with Rank of Commander
- 1991-1994 Assistant Professor, US Army- Baylor University Graduate Program in Physical
Therapy, Academy of Health Sciences, Ft Sam Houston, TX
- 1989-1991 Assistant Director, OT-PT Department, Naval Hospital, Bethesda, MD
Division Head, Physical Therapy--Hospital Ship USNS Comfort (T-AH 20),
Operation Desert Shield/Storm
- 1986-1989 Doctoral Student, University of Virginia, Charlottesville, VA
- 1984-1986 Naval Military Personnel Command, Health & Physical Readiness Division,
Washington, DC
- 1979-1984 Head, Physical Therapy Department/Assistant Director for Sports Medicine, US
Naval
Academy, Annapolis, MD
- 1977-1979 Senior Staff Physical Therapist, Camp Lejeune, NC
- 1975-1977 Physical Therapy Student, University of Central Arkansas
- 1974-1975 Instructor (non-tenured), Department of Physical Education
Director, Physical Education for the Handicapped
St. Andrew's Presbyterian College, Laurinburg, NC
- 1973-1974 Graduate Teaching Assistant (not tenure-eligible), Teacher Training Programs for the
Handicapped
University of Missouri, Columbia, MO

Peer Reviewed Publications:

Highsmith MJ, Kahle JT, Carey SL, Lura DJ, Dubey RV, Csavina KR, Quillen WS. Kinetic Asymmetry in Transfemoral Amputees while Performing Sit to Stand and Stand to Sit Movements. *Gait & Posture*. 2011;34(1):86-91.

- Highsmith MJ, Kahle JT, Carey SL, Lura DJ, Dubey RV, Quillen WS. Kinetic differences using a Power Knee and C-Leg while sitting down and standing up: A Case Report. *J Prosthet Orthot*.2010;22(4):237-243.
- Highsmith MJ, Kahle JT, Fox JL, Shaw KL, Quillen WS, Mengelkoch LJ. Metabolic demands of rock climbing in transfemoral amputees. *Int J Sports Med*, 2009;31(1):38-43.
- Swisher LL, Woodard LJ, Quillen WS, and Monroe ADH: Centralized and Decentralized Organizational Models of Interprofessional Education for Physical Therapy and Medical Students. *J Phys Ther Educ* 24(1):12-18, 2009.
- MSK Series -Volume IV: Sports Injuries, Return to Sport and Related Topics. Elsevier, Philadelphia, PA (Publication: January 2009).
- MSK Series- Volume III: Treatment of Pathology and Injuries. Elsevier, Philadelphia, PA. (Publication: February 2008).
- "Youth and Steroids – A Deadly Combination". Tyagi, A (4th Year Med Student) and Quillen WS. *ABC News Web On-Line*, April 2007.
- Magee D, Zachazewski J and Quillen W (eds.): Musculoskeletal Rehabilitation: Scientific Foundations and Principles of Practice–Volume II; Elsevier, Philadelphia, PA, February 2007.
- "Case Studies". In Prentice W (ed): Therapeutic Modalities for the Allied Health Professionals, 3rd edition, New York, McGraw-Hill, May 2005.
- Quillen W and Underwood F: Laboratory Manual, 5th ed., to Accompany Therapeutic Modalities for Sports Medicine and Athletic Training (5th ed.). St. Louis, McGraw-Hill, May 2002.
- Bartlett WP, Quillen WS and Greer RG: Effect of gallium aluminum arsenide triple-diode laser irradiation on evoked motor and sensory action potentials of the median nerve. *J Sport Rehab* 11(1):12-21, 2002.
- MacKinnon J, Quillen WS and Johnson J: Economic Modeling. *J PT Educ* 15(3):25-31, Fall 2001.
- "Case Studies". In Prentice W (ed): Therapeutic Modalities for the Allied Health Professionals, 2nd edition, New York, McGraw-Hill, September 2001.
- Bartlett WP, Quillen WS and Gonzalez JL: The effect of gallium aluminum arsenide triple-diode laser on median nerve latency in human subjects. *J Sport Rehab* 8:99-108, 1999.
- Quillen W and Underwood F: Laboratory Manual, 2nd ed., to Accompany Therapeutic Modalities in Sports Medicine (4th ed.). St. Louis, McGraw-Hill, June 1998.
- "Lab Activities". In Prentice W (ed): Therapeutic Modalities for the Allied Health Professionals. New York, McGraw-Hill, March 1998.
- Zachazewski J, Magee D and Quillen W (eds): Athletic Injuries and Rehabilitation. Philadelphia, WB Saunders Co, 1996.
- Quillen W and Underwood F: Laboratory Manual to Accompany Therapeutic Modalities in Sports Medicine (3rd ed.). St. Louis, CV Mosby Co, 1995.
- Sander T, Schrank E, Kelln B, Quillen W, Sellin B, Underwood F and Finstuen K: Differences in torque generation by trial and three different waveforms. *J Clin Electrophysiol* 6:10-13, 1994.

Rosenthal M, Baer L, Griffith P, Schmitz F, Quillen W and Finstuen K: Comparability of work output measures as determined by isokinetic dynamometry and a closed kinetic chain exercise. *J Sport Rehab* 3(3):218-227, 1994.

Quillen W: Manual therapy: mobilization of the motion restricted shoulder. *J Sport Rehab* 1(3): 237-248, 1992.

"High Voltage Pulsed Galvanic Stimulation as a Modifier of Sports Induced Soft Tissue Inflammation". *In* Leadbetter W, Buckwalter J and Gordon S (eds): Sports Induced Soft Tissue Inflammation. Rosemont, IL, American Academy of Orthopaedic Surgeons, March 1991.

Quillen W: Manual therapy: mobilization of the motion restricted knee. *Athletic Training* 23:123-130, 1988.

Quillen W: Neuromuscular electrical stimulation (NMES) utilization in the rehabilitative treatment of muscular inhibition and atrophy. *Forum Medicine*, VII, October 1987.

"Functional Rehabilitation of the Post-Surgical Knee". *In* Davies GJ (ed): Rehabilitation of the Post-Surgical Knee. New York, Cypress, Inc, 1984.

Quillen W: Initial management of acute ankle sprains with rapid pulsed pneumatic compression and cold. *J Ortho Sports Phys Ther* 4(1): 39-43, 1982.

Quillen W: Ultrasound phonophoresis. *Phys Sportsmed* 10(6): 211, 1982.

Quillen W: Velocity spectrum program with isokinetics. *Clin Man in Phys Ther* 2(2): 9-10, 1982.

Quillen W: Home rehabilitation of ankle ligament injuries. *Clin Man in Phys Ther* 1(1):16-17, 1981.

Quillen W: Lateral ankle sprains: an alternative management protocol. *J Ortho Sports Phys Ther* 2(3): 187-190, 1981.

Quillen W: Phonophoresis: a review of the literature and technique. *Athletic Training* 15(2): 109-110, 1980.

Peer Reviewed Scientific and Professional Presentations:

"Why Do Women Injure Their ACL's" – USF College of Medicine, Gender Medicine Advisory Board, Tampa, Florida, June 2007.

"Why Do Women Injure Their ACL's" – USF College of Medicine, Department of OB-Gyn Grand Rounds, Tampa, Florida, March 2007.

"Questions and Answers about Exercise and Arthritis," 2nd Annual New Frontiers in Rheumatology, Tampa, Florida, September 30, 2006.

"Shoulder Evaluation" – USF College of Medicine, Rheumatology Division, Department of Internal Medicine Grand Rounds, February 2007.

"Evidence based Physical Agents in the 21st Century," 33rd Annual Art & Science of Sports Medicine Meeting, University of Virginia, Charlottesville, VA, June 9, 2006.

"Women's Anterior Cruciate Ligament (ACL) Injury – Our Daughters, Our Wives and Our Mothers," Florida Governor's Conference on Women's health, Orlando, Florida, May 18, 2006.

"Exercise as Medicine," 1st Annual New Frontiers in Rheumatology, Tampa, Florida, September 23, 2005.

"The Young Athlete," 32nd Annual Art & Science of Sports Medicine Meeting, University of Virginia, Charlottesville, VA, June 10, 2005.

"Why Do Women Injure Their ACL's," 31st Annual Art & Science of Sports Medicine Meeting, University of Virginia, Charlottesville, VA, June 6, 2004.

"Evidence Based Employment of Physical Agent Modalities," Central District, IN APTA, Indianapolis, IN March 10, 2004

"Principles of Rehabilitation," Department of Orthopaedic Surgery Rounds, IUSM, December 10, 2003

"KidSpoRxts – Care for the Young Athlete," Adolescent Medicine Fellows, Department of Pediatrics, Riley Hospital for Children, Indianapolis, IN November 12, 2002

"Evidence Based Practice with Physical Agents," SE District, IN APTA, Columbus, IN November 9, 2002

"Introduction to Electrotherapy for Hand Therapists," INHAND Study Group, Indianapolis, IN November 2, 2002

"Modalities in the 21st Century – What's the Evidence," 29th Annual Art & Science of Sports Medicine Meeting, University of Virginia, Charlottesville, VA, June 8, 2002.

"Care for the Young Athlete," PT 2002 APTA Annual Meeting, Cincinnati, OH, June 7, 2002

"Care for the Young Athlete," Department of Physiotherapy, University of the Witwatersrand, Johannesburg, South Africa, April 5 – 6, 2002

"Is There a Role for Modalities in the 21st Century?" 8th Annual Christ Hospital Sports Medicine Symposium for Health Care Professionals, Cincinnati, OH, March 1, 2002.

"Orthopaedic Care for Youth and Sports Participant," Clarian Health Partners, Indianapolis, IN, February 22, 2002

"Strength Training Considerations for the Preadolescent Athlete," 28th Annual Art & Science of Sports Medicine Meeting, University of Virginia, Charlottesville, VA, June 2001.

"KidSpoRxts – Care for the Young Athlete – Part II," Columbus Children's Hospital, Columbus, OH, April 2001.

"Strength Training Considerations for the Preadolescent Athlete," APTA Combined Sections Meeting, San Antonio, TX, February 2001.

"KidSpoRxts – Care for the Young Athlete – Part I," Columbus Children's Hospital, Columbus, OH, October 2000.

"Sports Physical Therapy Competency – Research," APTA Combined Sections Meeting, New Orleans, LA, February 2000.

"Role of Physical Therapy in the Management of Chronic Musculoskeletal Conditions," Indiana University School of Medicine Annual Occupational Medicine Update, Indianapolis, IN, October 1999.

- "Youth Sports Injuries – Silent Epidemic," 20th Annual Team Concept Meeting, Sports Physical Therapy Section, APTA, Cincinnati, OH, October 1999.
- "Shoulder Evaluation," and "Functional Tests for the Lower Extremity," J.W. King Colloquia on Sports Medicine and Applied Rehabilitation, Texas Orthopaedic Hospital, Houston, TX, April 1999.
- "Sports Physical Therapy Competency – Research," APTA Combined Sections Meeting, Seattle, WA, February 1999.
- "Prevention and Rehabilitation of Overuse and Other Injuries", 1998 Pediatric Sports Medicine Symposium, Children's Hospital Medical Center, Cincinnati, OH, July 1998.
- "Assessment of Functional Performance of the Lower Extremity", National Athletic Trainer's Association Annual Meeting and Clinical Symposium, Baltimore, MD, June 1998.
- "Functional Assessment and Criteria for Return to Sports", 25th Annual Art & Science of Sports Medicine Meeting, University of Virginia, Charlottesville, VA, June 1998.
- "Physical Agents/Modalities- Update for 1998", Kentucky Rehabilitation Services CEU Series, Ft. Mitchell, KY, May 1998.
- "The Role of Physical Therapy in Sports Medicine", Pediatric and Adolescent Sports Medicine Update, Children's Hospital Medical Center, Cincinnati, May 1997.
- "The Knee: Assessment and Treatment", New Hampshire APTA Spring Meeting, Exeter, NH, April 1997.
- "Postoperative Shoulder Rehabilitation", 3rd Annual Christ Hospital Sports Medicine Symposium, Cincinnati, OH, March 1997.
- "Rehabilitation of Rotator Cuff Tears", KRS Managed Outcomes Course, Ft. Mitchell, KY, April 1996.
- "The Use of Manual Therapy in Sportsmedicine", JW King Orthopaedic Institute Annual Colloquia on Applied Sports Science, Houston, TX, April 1996.
- "Sports Physical Therapy Specialization Update", APTA Combined Sections Meeting, Atlanta, GA, February 1996.
- "Functional Tests and Criteria for Return to Sports", 1st Annual SPTS/AOSSM Team Concept Symposium, Toronto, Canada, July 1995.
- "Rehabilitation Following PCL Injury", 1st Annual Christ Hospital Sports Medicine Symposium, Cincinnati, OH, March 1995.
- "Use of Therapeutic Exercise and Physical Agents as Modifiers of Inflammation", 40th Annual Meeting, Southwest Athletic Trainers' Association, Arlington, TX, July 1994.
- "Electrotherapy - Basic and Applied Principles", Naval Hospital, San Diego, September 1993.
- "Soft Tissue Inflammation: Staging for Therapeutic Interventions", APTA Annual Conference, Cincinnati, OH, June 1993.
- "Sports Rehabilitation: Use of Neuromuscular Electrical Stimulation", Massachusetts General Hospital, Boston, MA, May 1993.

"Closed Kinetic Chain Exercise Principles", Department of Orthopaedics, Baylor College of Medicine, Houston, TX, May 1993.

"The Shoulder", Southeast District, TPTA, UTMB Galveston, TX, November 1992.

"Closed Kinetic Chain Principles" and "Throwing Rehabilitation Progression", 1992 Advances on the Knee and Shoulder, Hilton Head, SC, May 1992.

"Closed Kinetic Chain Exercise Principles", SW Texas State University Regional Symposia, San Marcos, TX, May 1992.

"Non-Pharmacological Modifiers of Sports Inflammation", Colloquia on Applied Science in Sports Medicine, Houston, TX, April 1992.

"Management of Pediatric Overuse Injuries", Uniformed Services Pediatric Association Annual Symposium, Washington, DC, March 1992.

"Scientific Principles of Therapeutic Electrical Stimulation", Valley Hospital Symposium, Ridgewood, NJ, March 1992.

"Alterations as a Consequence of Immobilization and NMES", International Society of Electromyographic Kinesiology Biennial Congress, Baltimore, MD, August 1990.

"Neural Alterations as a Consequence of Immobilization and NMES", APTA Annual Conference, Anaheim, CA, June 1990.

"Scientific Principles of ACL Rehabilitation" and "Management Principles for Overuse Injuries", Art and Science of Sports Medicine - '90, University of Virginia, June 1990.

"Neuromuscular Electrical Stimulation", Dogwood Conference, Atlanta, GA, March 1990.

"Wrist and Hand Injuries" and "Common Medical Problems in Athletes", Sports Physical Therapy Competency Course, Lake Tahoe, NV, March 1990.

"Body Composition", APTA Combined Sections Meeting, New Orleans, LA, February 1990.

"Prevention of Sports Injuries", Navy Safety Center Biennial Safety Manager's Seminar, Norfolk, VA, October 1989 and San Diego, CA, December 1989.

"Body Composition", KIN-COM User's Meeting, Ft. Lauderdale, FL, September 1989.

"Modifiers of the Inflammatory Process - Physical Modalities", NIH Panel on Sports Induced Soft Tissue Inflammation, Bethesda, MD, May 1989.

"Body Composition Determination - Implications for Contemporary Clinical Practice", Baltimore, Washington, DC, February 1989; Philadelphia, Boston, Hartford, March 1989; Charlottesville, June 1989; San Antonio, Houston, Dallas, Cincinnati, Indianapolis, Lexington, Louisville, Columbus, July 1989.

"Neuromuscular Electrical Stimulation in Sports Medicine", Long Island Sports Medicine Symposium, Garden City LI, NY, March 1989.

"Neurophysiological Basis of Electrical Muscle Stimulation", 15th Art and Science of Sports Medicine, University of Virginia, Charlottesville, VA, June 1988.

- "Neurophysiological Basis of Electrical Muscle Stimulation", NATA Annual Symposium, Baltimore, MD, June 1988.
- "Scientific Basis of Modality Application", American Academy of Orthopaedic Surgeons Update, Virginia Beach, VA, April 1988.
- "Therapeutic Application of Neuromuscular Electrical Stimulation", KIN-COM Users' Meeting, Scottsdale, AZ, January 1988.
- "Prevention and Management of Sports Injuries", Training Wing 6, Naval Air Station, Pensacola, FL, January 1988.
- "Update on Electrotherapy in Sports Medicine", 8th Annual Conference Sports Physical Therapy Section, Kona-Hawaii, December 1987.
- "Neuromuscular Electrical Stimulation - A Critical Review of its Utilization in the Prevention and Treatment of Muscular Atrophy", APTA Annual Conference, San Antonio, TX, June 1987.
- "Scientific Principles of Flexibility Techniques", 14th Art and Science of Sports Medicine, University of Virginia, Charlottesville, June 1987.
- "The Knee", Workshop III Sports Physical Therapy Competency Workshops, Newport Beach, CA, April 1987.
- "Electrotherapy in Sports Medicine", CW Post College Annual Symposium in Sports Medicine, Old Westbury, NY, April 1987.
- "Sports Physical Therapist/Certified Athletic Training -- The Issues", MD Chapter APTA Fall Meeting, Rockville, MD, November 1986.
- "Electrotherapy in Sports Medicine", University of Virginia, Charlottesville, VA, June 1986.
- "Electrotherapy in Sports," Combined Topics at the Beach, Virginia Beach, VA, May 1986.
- "Electrotherapy in Sports Medicine," West Virginia Athletic Trainers Assoc, Morgantown, WV, May 1986.
- "Treatment and Rehabilitation of Quadriceps and Hamstring Muscle Strains" and "Rehabilitation After Anterior Cruciate Ligament Injuries", Sports Medicine 1986, AAOS, Columbia, GA, April 1986.
- "Clinical Aspects of Electrotherapy" and "Functional Progression - Return to Sports", 5th Annual Cherry Blossom Seminar, Washington, DC, April 1986.
- "Use of Modalities for Baseball Rehabilitation" and "Physiological Principles of Warm-up and Stretching", Conference on Injuries in Baseball, Hughston Sports Medicine Foundation, Columbia, GA, February 1986.
- "Electrical Stimulation in Sportsmedicine", 2nd Annual Sports Medicine Meeting on the Triathlete, Virginia Beach, VA, September 1985.
- "Sportsmedicine: Preseason Evaluation of the Athlete", US Public Health Service, Tuba City, AZ, August 1985.
- "Navy Health and Physical Readiness Program Overview", Army Fitness Facilitator Workshop, Academy of Health Sciences, Ft. Sam Houston, TX, March 1985.

- "Use of Modalities in the Treatment of the Injured Shoulder", US Olympic Committee 3rd Annual Symposium on Injuries to the Throwing Arm, Phoenix, AZ, January 1985.
- "Rehabilitation Following ACL Repair/Reconstruction", 5th Annual MD-PT Sports Medicine Conference, San Antonio, TX, December 1984.
- "Sports Therapist Kit, Cybex Evaluation, Electrical Stimulation in Sports Medicine", Alabama Chapter APTA Fall Meeting, Gulf Shores, AL, September 1984.
- "Current Advances in Electrical Stimulation -- Sports Medicine Applications", Boston, MA, September 1984.
- "Muscle Rehabilitation with Isokinetics", 3rd Annual Cherry Blossom Sports Medicine Symposium, Washington, DC, April 1984.
- "Use of High Voltage Stimulation in the Treatment of Athletic Musculoskeletal Injuries", APTA Combined Sections Meeting, Houston, TX, February 1984.
- "Use of Modalities in the Treatment of Shoulder Injuries" and "Isokinetic Rehabilitation of the Shoulder", USOC Sports Medicine Symposia on Injuries to the Throwing Arm, Tampa, FL, January 1984.
- "Rehabilitation Concepts in Overstress Injuries", 4th Annual Physician-Therapist Conference, Houston, TX, December 1983.
- "Current Trends in Electrotherapy", Ohio Chapter APTA Annual Meeting, Columbia, OH, November 1983.
- "Isokinetics - Objective Evaluation of Musculoskeletal Status", Maryland Chapter APTA Annual Meeting, Baltimore, MD, November 1983.
- "Functional Rehabilitation of the Post-Surgical Knee", Lacrosse Exercise and Sports Science Seminar, Lacrosse, October 1983.
- "The Knee: Anatomy, Mechanics and Principles of Evaluation", Academy of Health Sciences, Ft. Sam Houston, TX, August 1983.
- "Isokinetic Evaluation of Orthopaedic Cases", Orthopaedic Service, Naval Hospital, Camp Lejeune, NC, June 1983.
- "Clinical Applications of HVGS", Arkansas Chapter APTA Spring Conference, Little Rock, AR, May 1983.
- "Muscular Strength and Endurance Training with Isokinetics", 2nd Annual Cherry Blossom Sports Medicine and Physical Fitness Symposium, Washington, DC, April 1983.
- "Rehabilitation Concepts in Overstress Injuries", Mid-Atlantic Sportsmedicine Conference, Williamsburg, VA, April 1983.
- "Use of HVGS in Pain Modulation and Use of Electrostim 180 in Muscle Training", Canadian Physiotherapy Association Annual Sports Medicine Conference, Montreal, PQ, October 1982.
- "Functional Rehabilitation Following Knee Ligament Surgery", Preconference Symposium, APTA Annual Conference, Anaheim, CA, June 1982.
- "Treatment of Acute Ankle Sprains", Poster Presentation, APTA Annual Conference, Anaheim, CA, June 1982.

"Initial Evaluation and Management of Musculoskeletal Injuries", Maryland College Health Nurses Association, Annapolis, June 1982.

"Care of the Occupational Low Back Pain Patient", Mid-Atlantic Navy Occupational Medicine Association, Indian Head, MD, May 1982.

"Clinical Applications of HVGS", Teleconference Network of Texas, University of Texas Health Science Center, April 1982.

"Applications of HVGS in Musculoskeletal Injuries", NATA District 4 Spring Meeting, Indianapolis, IN, March 1982.

"Nuclear Medicine and the Recreational Runner", 2nd Annual Combined Physician-Therapist Conference, Chicago, IL, December 1981.

"Managing Foot and Ankle Injuries in the General Physical Therapy Setting", Maryland Chapter APTA Fall Conference, Ocean City, MD, November 1981.

"Physical Therapy Management of Foot-Ankle Injuries", Arkansas Chapter APTA Fall Conference, Little Rock, AR, October 1981.

"Velocity Spectrum Rehabilitation with Isokinetics", APTA Annual Conference, Washington, DC, June 1981.

"Velocity Spectrum Rehabilitation -- Concept that Works in the Clinic", CYBEX Isokinetic Seminar Series, Orlando, FL and Las Vegas, NV, May 1981.

"Clinical Utilization of High Voltage Galvanic Stimulation", Post-Graduate Seminars in Electrotherapy, Greensboro, September 1980; Ann Arbor, November 1980; Boston, April 1981; Montreal, November 1981; Chattanooga, March 1982; Anaheim, November 1982; Orlando, January 1983; Dallas, February 1983; St. Lauderdale, January 1984; Phoenix, March 1984; Boston, September 1984; New York, January 1985; Dallas, February 1985; New Jersey, May 1985; Honolulu, Hawaii, August 1985; Wichita, September 1985; Halifax, November 1985; Chicago, April 1986.

"Preseason Assessment of the Athlete's Ideal Weight", Preseason Screening of the Athlete Seminar, Children's Hospital, Baltimore, MD, August 1980.

"Lateral Ankle Sprains: An Alternative Protocol with Thermoplastic Ankle Stirrup", Poster Presentation, APTA Annual Conference, Phoenix, AZ, June 1980.

Abstracts:

N/A

Non-Peer Reviewed Publications:

N/A

Non-Peer Reviewed Presentations:

Funded Grant Activity:

"Demonstration Project in Prosthetics and Orthotics," USDOE, Rehabilitation Services Administration, \$992,000, Funded 2005-2008, Role: Principal Investigator

EMW-2009-FP-00418 Mayer (PI) 04/30/2010 – 04/29/2012
“Low Back Injury Prevention in Firefighters,” Federal Emergency Management Agency
The objective of this study is to assess the implementation and effectiveness of a physical exercise intervention on improving core trunk muscular endurance in firefighters.
Role: Co-PI.

W81XWH-11-2-0170 Quillen (PI) 09/30/2011 – 09/29/2013 1.2 calendar
“Prevention of Low Back Injury in Theater of Operations: A Demonstration Project,”
U.S. Department of Defense Annual Direct Costs: \$302,699
The purpose of this randomized trial is to assess the efficacy of targeted high-intensity exercise training on improving lumbar extension muscular strength in US Army soldiers.
Role: PI.

W81XWH-11-1-0748 Quillen (PI) 09/15/2011 – 09/14/2013 1.2 calendar
“Metabolic and Biomechanical Measures of Gait Efficiency of Four Energy Storing-Return Prosthetic Feet During Simple and Complex Mobility Activities,”
U.S. Department of Defense Annual Direct Costs: \$270,585
The objective of this study is to evaluate how different energy storing-return feet may enhance the movement of soldiers with transtibial amputation.
Role: PI.

W81XWH-11-1-0634 Sanberg (PI) 09/20/2011 – 09/19/2013
“Occurrence of Impairments in Balance, Gait, Vestibular and Hearing Functions in USF Student OEF and OIF Veterans Compared to a Control Group of Non-veteran Students”
U.S. Department of Defense Annual Direct Costs: \$98,000
The objective of the study is to identify the occurrence and level of impairments in balance, gait, vestibular and hearing functions in a group of veteran students compared to a control group of non-veteran students.
Role: Principal Investigator, Subaward

National Science Foundation Dubey (PI) 08/01/2012-07/31/2013
MRI: Acquisition of a CAREN Virtual Reality System for Collaborative Research in Assistive and Rehabilitation Technologies Annual Direct Costs: \$1 million
The purpose of this equipment grant is to acquire a CAREN Virtual Reality System that will allow multidisciplinary research regarding impairments and functional limitations found within OIF/OEF student veteran population.
Role: Co-Principal Investigator

Unfunded Research Activity:

- “Robotics for Rehabilitation Therapy,” National Center for Medical Rehabilitation and Research, \$638,000, Submitted/Unfunded (2003)
- “Efficacy of Microcurrent TENS (M-TENS) in the Treatment of Lateral Ankle Ligament Sprains,” Healthonics, Inc., Atlanta, Georgia \$59,885, Submitted/Unfunded (2003)
- “Influence of Gallium Aluminum Arsenide (GaAlAs) Laser on Tissue Perfusion,” TWU New Faculty Research Enhancement Grant, \$4,800, Approved/Unfunded (1994)
- “Treatment of Pressure Ulcers in SCI Population Through LIDC Electrical Stimulation,” Rehabilitation Engineering Center, University of Virginia, Bennett, Bridle & Quillen, NIDRR, \$235,000, Submitted/Unfunded (1989)
- “Neural Alterations as a Consequence of Immobilization and Neuromuscular Electrical Stimulation,” Foundation for Physical Therapy, \$9,000, Unfunded (1988)

Membership in Scientific/Professional Organizations:

- Member, American Physical Therapy Association (APTA): Sports Physical Therapy Section, Education Section
- Vice-Chairman, APTA Sports Physical Therapy Section, 1983-1985 and 1989-1991
- Course Chairman, APTA 5th -6th -7th Annual Combined Physician-Therapist Team Concept Meeting, 1982-

1984

Member, APTA Sports Specialty Council, American Board of Physical Therapy Specialties, 1993-1997
Chair, APTA Sports Specialty Council, American Board of Physical Therapy Specialties, 1995-1997

Invited Reviewer, The APTA's Guide to Your Body and Exercise, 1998

Nominating Committee, APTA Academic Administrators Special Interest Group, Education Section, 2002
– 2004

Admissions Requirements Task Force, APTA Academic Administrators Special Interest Group, Education
Section, 2003

Member, Florida Chapter, American Physical Therapy Association

Member, American Orthopaedic Society for Sports Medicine

Member, American College of Sports Medicine

Abstract Reviewer, American College of Sports Medicine Annual Meeting, 1989

Member, American College of Sports Medicine Youth Sports Clinics Committee, 1992-1995

Member, American College of Sports Medicine Strategic Health Initiatives—Aging in Exercise Science and
Sports Medicine, 2002 -2004

Member, National Athletic Trainer's Association

Abstract Reviewer, National Athletic Trainer's Association Annual Meeting, 1995 - 2002

Grant Reviewer, National Athletic Trainer's Association Education and Research Foundation, 1997-2004

Facilitator, Florida State University System Institute for Academic Leadership, (June & October, 2006,
2007)

Indiana Arthritis Initiative Steering Committee member, Indiana State Department of Health (2002 - 2004)

Vice President, Indiana Chapter of the American Physical Therapy Association (2003 - 2004)

Consultative and Advisory Positions Held:

2000-2004	Rehabilitation Consultant (concurrent with tenured position as Associate Professor and Chair), Department of Intercollegiate Athletics, Indiana University-Purdue University Indianapolis, Indianapolis, Indiana
2000-2003	Physical Therapist (concurrent with tenured position as Associate Professor and Chair), Indiana University Center for Sports Medicine at National Institute for Fitness and Sport, Indiana University, Indianapolis, IN
1996-1998	Physical Therapist II (concurrent with tenured position as Associate Professor and Chair), Sports Medicine Clinic, Department of Pediatric Orthopaedics Children's Hospital Medical Center, Cincinnati, Ohio
1994–1995	Physical Therapist (concurrent with tenure track position as Assistant Professor), Department of Intercollegiate Athletics Texas Southern University, Houston, Texas
1994-1995	Physical Therapist (concurrent with tenure position as Assistant Professor), Adolescent and Sports Medicine Service Texas Children's Hospital, Houston, Texas

Community Service:

Volunteer Coordinator, Indianapolis Air Show (2002-2004)

Volunteer Mission Pilot, Angel Flight/Lifelines Pilots, Inc., (2003-2004)

Medical Services Volunteer, United States Junior National Diving Championships, Indianapolis, IN (2001)

Medical Services Volunteer–Poly Clinic, World Police & Fire Games, Indianapolis, IN (2001)
 Trustee, Tanner Valley United Methodist Church, Lawrenceburg, IN (1998-2000)
 Instructor: Sports Safety Training, Community First Aid & Safety, CPR and Emergency Response;
 Cincinnati Chapter, American Red Cross (1997-2004)
 Advisory Committee member, Hughes High School for the Health Professions, Cincinnati (1998)
 School Partnership Committee member, Academy of Medicine of Cincinnati, Cincinnati, OH (1995-1998)
 Board of Directors member; and Chair, Research Committee; The Sports Medicine Institute at the Christ
 Hospital, Cincinnati, OH (1995-1998)
 Board of Directors, LoveQuest Children's Foundation, Inc., Cincinnati, OH (1995-1998)
 Coordinator of Venue Athletic Training Services-Soccer, XXIII Olympiad, Los Angeles Olympic Organizing
 Committee (1984)
 Medical Coordinator, Ninth Annapolis (MD) 10-Mile Road Race (1984)

Services to the University/College/School on Committees/Councils/Commissions:

Member, University of South Florida Athletics Council (2004 to 2010)
 Member, University of South Florida Emerging Health Professions Working Group (2007)
 Member, University of South Florida College of Medicine Financial Oversight Council (2007 - present)
 Member, University of South Florida College of Medicine Asset Investment Management System Council
 (2006 - present)
 Member, University of South Florida College of Medicine Dean's Council (2004 to present)
 Member, University of South Florida College of Medicine Education Cabinet (2004 to present)
 Member, Search Committee for Orthopaedic Surgery Chair, University of South Florida College of
 Medicine, 2006
 Chair, Search Committee for Lincoln Endowed Chair for Biomechanical Research, University of South
 Florida College of Medicine, (2006-07)

Member, 2004 PEAR (Prestigious External Achievement Recognition) Selection Committee, Indiana
 University-Purdue University Indianapolis

Member, Promotion and Tenure Committee, Indiana University-Purdue University Indianapolis, 2003-04
 Member, Faculty Council, Indiana University-Purdue University Indianapolis, 2003-04
 Member, Bekko Scholars/Fellows Planning Committee, Indiana University-Purdue University Indianapolis,
 2002-2003

Member, Administrative Review Committee–SAHS Dean, Indiana University-Purdue University
 Indianapolis, 2001-2002

Member, Health Sciences Disciplines Clinical Skills Building Planning Committee, Indiana University-
 Purdue University Indianapolis, 2001

Member, Athletics Committee, Indiana University-Purdue University Indianapolis, 1999-2004
 President, Faculty Council, Indiana University School of Health and Rehabilitation Sciences, 1999-2000
 Vice-President, Faculty Council, Indiana University School of Health and Rehabilitation Sciences, 1998-
 1999

Member, Ad Hoc Budgetary Advisory Committee, Indiana University School of Health and Rehabilitation
 Sciences, 1999-2000

Member, Ad Hoc Peer Evaluation Committee, Indiana University School of Health and Rehabilitation
 Sciences, 1999-2000

Member, Promotion & Tenure Committee, Indiana University School of Health and Rehabilitation
 Sciences, 1999-2001, 2003-04

Member, School Executive Committee/Management Council, Indiana University School of Health and
 Rehabilitation Sciences, 1998-2004

Member, Graduate Affairs Committee, Indiana University School of Health and Rehabilitation Sciences,
 1998-2000

Member, Budgetary Affairs Advisory Committee, Indiana University School of Health and Rehabilitation
 Sciences, 2002 - 2003

Chair, Academic Studies and Research Development Committee, Indiana University School of Health and
 Rehabilitation Sciences, 2002-2004

Member, Dean's Council, College of Mount St. Joseph, (1995-96)
Member, Athletic Committee, College of Mount St. Joseph, (1995-1996)
Member, Graduate Committee, College of Mount St. Joseph, (1995-1996)
Member, Academic Transformation Task Force (Curriculum), College of Mount St. Joseph, (1995-1996)

Member, Graduate School Academic Appeals Committee, Baylor University, (1991-94)

Honors and Awards:

2006 Finalist, Health Care Heroes, Tampa Business Journal
2003 Prestigious External Award Recognition (PEAR) Recipient, Indiana University-Purdue University
Indianapolis Chancellor's Academic Honors Convocation
2002 Fellow, American College of Sports Medicine
2002 International Faculty Travel Grant, Indiana University Office of International Programs, Faculty
Exchange with the University of the Witwatersrand, Johannesburg, South Africa
1989 Gertrude Lamb Distinguished Alumni Award, Springfield College, Springfield, MA
1988 Mary McMillan Scholar, American Physical Therapy Association
1982 Joe Finnell Distinguished Alumni Award, University of Central Arkansas, Little Rock, AR
1975 Presidential Scholar, University of Central Arkansas, Little Rock, AR
1974 Graduate Fellow, University of Missouri, Columbia, MO
1973 *Magna Cum Laude* Graduate, Springfield College, Springfield, MA

Continuing Education Attended: list only courses taken **within the last 5 years** that are **specifically related to** responsibilities in the entry-level program.

2012 ELC, Greenwich, CT
2011 ELC, Clearwater, FL
2007 Academic Administrators, Section for Education Meeting, Minneapolis, MN
2007 CAPTE Self-Study Workshop, Denver, CO
2007 PT 2007 Annual Meeting, Denver, CO
2006 PT 2006 Annual Meeting, Orlando, FL
2006 Academic Administrators, Section for Education Meeting, Washington, DC
2005 Academic Administrators, Section for Education Meeting, Los Angeles, CA
2005 APTA Combined Sections Meeting, New Orleans, LA
2005 CAPTE Self-Study Workshop, New Orleans, LA
2004 Academic Administrators, Section for Education Meeting, St. Louis, MO
2003 Academic Administrators, Section for Education Meeting, San Antonio, TX

Current Teaching Responsibilities in the Entry-Level Program (in sequence, by quarter or semester):

N/A

Proposed Teaching Responsibilities in the Proposed Entry-level Physical Therapy (in sequence by term; specify term):

N/A

JEANNIE B. STEPHENSON, PT, MS, NCS (ABD)
Curriculum Vitae

CONTACT INFORMATION

University of South Florida
Morsani College of Medicine
School of Physical Therapy & Rehabilitation Sciences
12901 Bruce B. Downs Blvd.
Tampa, FL 33647
Office Phone: 813-974-5523
Cell Phone: 813-464-0168
E-mail: jstephe1@health.usf.edu

16368 Ashington Park Dr
Tampa, FL 33647
Home phone: 813-971-3771

EDUCATION

PhD Candidate in Integrated Biomedical Sciences Program, Focus area in Clinical & Translational Research, University of South Florida Morsani College of Medicine, Tampa, FL, 2009-present. Successfully passed comprehensive qualifying examination on 6-20-12

Graduate Certificate in Neuroscience, University of South Florida, completed May 2010

MS in Medical Sciences, NIH Sponsored K30 Program in Clinical & Translational Research, University of South Florida, May 2007- completed August 2009

M.S. in Physical Therapy, Therapeutic Kinesiology and Physical Therapy Education, Virginia Commonwealth University, 1984-1988 Thesis Topic "**Age-Related Differences in Adolescent Movement Patterns during Rolling from Supine to Prone**"

B.S. in Physical Therapy, University of Connecticut, 1975-1979
Graduated Magna Cum Laude in Honors Program with Minor in Psychology

PROFESSIONAL LICENCES & CERTIFICATIONS

Florida Physical Therapy Licensure #20601, 11-7-02 - present
Virginia Physical Therapy Licensure #2305002811, 1986 - present
Certified Neurologic Clinical Specialist through ABPTS, 2007

ACADEMIC EXPERIENCE

- | | |
|-----------------------|---|
| 2002 – Present | Instructor , University of South Florida, Morsani College of Medicine, School of Physical Therapy & Rehabilitation Sciences, Tampa, FL
Teach Clinical Problem Solving (Neuromuscular and Acute Care content), Pediatrics and Movement Science Courses (Motor Control, Motor Learning & Motor Development). Past Liaison to Neuroscience Course. |
| 1992 – 1996 | Adjunct Clinical Assistant Professor , Dept. of Physical Therapy, Virginia Commonwealth University, Richmond, VA |
| 1987 - 1989 | Assistant Professor of Physical Therapy , School of Allied Health Sciences, East Carolina University, Greenville, NC; Taught Fundamentals of Patient Care, Pediatrics, Rehabilitation Techniques and Adult Neuro courses |

1984 - 1986 **Senior Graduate Teaching Assistant in Therapeutic Exercise,**
Dept. of Physical Therapy, Virginia Commonwealth University, Richmond, VA

PROFESSIONAL EXPERIENCE

2002 – 2007 **Out-patient Physical Therapist,** USF Physical Therapy Center
(6 hours per week), Tampa, FL

1989 – 2002 **Sr. Physical Therapist and Center Coordinator of Clinical Education,**
Rehabilitation Unit & Day Rehabilitation Program, Johnston-Willis Hospital,
Richmond, VA

1987 - 1988 **Consultant Pediatric Physical Therapist,** United Cerebral Palsy
Center, Greenville, NC (covered for Pediatric PT for 6 months)

1985 - 1986 **Physical Therapist,** Acute Neurologic Unit and Pediatric Special Care
Nursery, Medical College of Virginia Hospital, Richmond, VA

1984 **Sr. Physical Therapist, Developed Head Trauma Day Rehab Program,**
Hartford Easter Seal Rehabilitation Center, Hartford, CT

1983 **Physical Therapist, Head Trauma Unit,** Braintree Rehab Hospital, MA

1982 **Physical Therapist (6-month Post-graduate Residency Program in**
Proprioceptive Neuromuscular Facilitation), Kaiser Foundation
Rehabilitation Center, Vallejo, CA

1979 - 1982 **Physical Therapist & Clinical Instructor,** Danbury Hospital
Rehabilitation Unit, Danbury, CT

PROFESSIONAL PRESENTATIONS

Peer-reviewed Oral Presentations:

- **Longitudinal, Quantitative Analysis of Balance and Gait in Friedreich's Ataxia.** Comprehensive qualifying examination for PhD in Medical Sciences, Dept. of Molecular Pharmacology and Physiology, USF Morsani College of Medicine, Tampa, June, 2012
- **Longitudinal Integrative Student Evaluation using Standardized Patients: Lessons Learned.** APTA Education Leadership Conference Platform Presentation, Clearwater, FL, October, 2011
- **Locomotor Training Post Stroke.** AHRI=Allied Health Research Institute Conference invited speaker. Old Dominion University. Norfolk, VA, September, 2008

Invited Outside Lectures:

- **Quantification of Gait and Balance in People with Friedreich Ataxia.** Friedreich Ataxia Research Alliance (FARA) Scientific Symposium. University of South Florida and Ataxia Research Center. Tampa, FL, August, 2011
- **Balance and Gait in Neurologic Populations.** Excellence in Geriatric Care Conference. University of South Florida. Tampa, FL, June, 2010
- **Progressive Supranuclear Palsy: Mobility Issues and Assistive Devices.** Florida Outreach & Education Conference on PSP sponsored by Cure PSP & The Society for PSP, Tampa, FL, March, 2008
- **The Evidence for Rehabilitation Post-Stroke.** Northside Hospital, St. Petersburg, FL, March, 2005; Sarasota Memorial Hospital, Sarasota, FL, August, 2005
- **Treadmill Training with Partial Body Weight Support Compared with PNF Gait Training in Persons with Chronic Stroke.** Tampa General Hospital, Tampa, FL, 2004
- **Therapeutic Exercise Approaches for the Management of Patients with Stroke.** Lecture sponsored by Beaufort County Hospital and Eastern AHEC, Washington, NC, April, 1989

Peer-reviewed Poster Presentations

- **Stephenson J**, Kim SH, Zesiewicz T (2012) Advanced Approach to Gait and Balance Evaluation in Friedreich's Ataxia. Poster presented at APTA Combined Sections Meeting, Chicago, IL, February, 2012
- Kim SH, **Stephenson J**, Agazzi S, Abel N (2012) Effects of Brain Shunt on Gait Performance in People with Normal Pressure Hydrocephalus. Poster presented at APTA Combined Sections Meeting, Chicago, IL, February, 2012
- Kim SH, **Stephenson J**, Agazzi S, Abel N (2011) Use of Instrumented Gait Assessment in People with Normal Pressure Hydrocephalus. Poster presented at Society for Neuroscience, Washington DC, November, 2011
- Kim SH, **Stephenson JB**, Zesiewicz T (2010) Advanced Evaluation of Gait and Balance in Friedreich's Ataxia. Poster presented at FARA Research Symposium, Tampa, FL, August, 2010
- **Stephenson J**, Maitland M, Anemaet W, Beckstead J (2005) Body Weight Support Treadmill Training Compared with PNF Training in Persons with Chronic Stroke. Poster presented at III STEP Conference, Salt Lake City, UT, July 2005
- **Stephenson J**, Maitland M, Beckstead J (2005) Body Weight Support Treadmill Training Compared with PNF Training in Persons with Chronic Stroke. Poster presented at APTA Combined Sections Meeting, New Orleans, LA, Feb. 2005
- Van Sant A, Richter R, **Boucher J**, Lewis A (1988) Age Differences in Movement Patterns Used to Roll: Comparison of Children, Adolescents and Young Adults. Poster presented at APTA Annual Conference, San Antonio, TX, June, 1987

Non Peer-reviewed Poster Presentations

- Kim SH, **Stephenson J**, Agazzi S, Abel N (2011) Importance of Systematic Gait Assessment in People with Normal Pressure Hydrocephalus. Poster presented at USF Health Neuroscience Research Day, Tampa, FL, April 2011
- **Stephenson JB**, Kim SH, Zesiewicz T (2011) Advanced Evaluation of Gait & Balance in Friedreich's Ataxia. Poster presented at USF Health Research Day, Tampa, Feb. 2011
- **Stephenson J (2009)** Locomotor Training on a Treadmill with Body Weight Support Compared with PNF Gait Training in Persons with Chronic Stroke. Poster presented at USF Neuroscience Research Day, Tampa, FL, March, 2009
- **Stephenson J**, Maitland M, Anemaet W, Beckstead J (2005) Body Weight Support Treadmill Training Compared with PNF Training in Persons with Chronic Stroke. Poster presented at USF Health Research Day, Tampa, FL, February, 2006
- **Boucher JS (1988)** Movement Patterns Used by Adolescents during Rolling from Supine to Prone. Poster presented at Developmental Disabilities Conference, sponsored by NC Eastern Area AHEC, Greenville, NC, Nov. 1988.

PUBLICATIONS

Textbook Chapters

- Mercuris K, **Stephenson J**. Ch. 15: Approaches to Neurologic Rehabilitation. In: Fell D. *Therapeutic Approaches in Neurology: Evaluation, Intervention, Outcomes*. Upper Saddle River, NJ: Pearson-Prentice Hall. 2012 (my chapter completed with photos)

Abstracts

- **Stephenson J**, Kim SH, Zesiewicz T (2012) Advanced Approach to Gait and Balance Evaluation in Friedreich's Ataxia. *Journal of Neurologic Physical Therapy*. 35(4):213-223
- Kim SH, **Stephenson J**, Agazzi S, Abel N (2012) Effects of Brain Shunt on Gait Performance in People with Normal Pressure Hydrocephalus. *Journal of Neurologic Physical Therapy*. 35(4):213-223.

- **Stephenson J**, Maitland M, Beckstead J (2005) Body Weight Support Treadmill Training Compared with PNF Training in Persons with Chronic Stroke. *Journal of Neurologic Physical Therapy* 28 (4); 186.
- Van Sant A, Richter R, **Boucher J**, Lewis A (1988) Age Differences in Movement Patterns Used to Roll: Comparison of Children, Adolescents and Young Adults. PTJ.

Unpublished Manuscripts

- **Stephenson J**, Maitland M, Anemaet W, Beckstead J (in preparation) Body Weight Support Treadmill Training Compared with PNF Training in Persons with Chronic Stroke.
- Boucher, J.S. (1988). **Age Differences in Adolescent Movement Patterns during Rolling From Supine to Prone**. Unpublished Master's Thesis Article, Medical College of Virginia, Richmond, VA.

GRANT ACTIVITY

Co-I on NIH Bench to Bedside grant entitled "Long Term Varenicline for Spinocerebellar Ataxia Type 3: Quantitative Evaluation by Gait Analysis" submitted with PIs Dr. Lynne Wecker and Dr. Mark Hallett in November, 2011. Not funded

Co-I on NIH R03 grant entitled "Use of Objective Gait Assessment in the Pre-surgical Decision-making Process for People with Normal Pressure Hydrocephalus" submitted with PI Seok Hun Kim, PT, PhD in October, 2011. Not funded

Co-I on Protocol entitled "A Pilot, Open-label Study to Determine the Safety and Efficacy of Intravenous immune Globulin in Treating Friedreich's Ataxia and Spinocerebellar Ataxia" submitted with Dr. Theresa Zesiewicz and Dr. Clifton Gooch of USF Dept. of Neurology to FARA and Baxter Pharmaceuticals in March, 2011. **Study funded for \$50,000 in April, 2011.**

Co-Investigator on grant proposal entitled "Effects of DBS on Gait and Balance in Patients with Essential Tremor" submitted to Tampa General Hospital with Dr. Donald Smith (PI) and Seok Hun Kim, PT, PhD (Co-PI) March, 2011. Not funded

Co-Investigator on grant proposal entitled "Predictors of Effects of DBS on Gait and Balance in Patients with Parkinson's Disease" submitted to Tampa General Hospital with Dr. Fernando Vale (PI) and Seok Hun Kim, PT, PhD (Co-PI) March, 2011. Not funded

Co-PI on Proposal (LOI) entitled "Locomotor Adaptation in Children with Hemiparetic Cerebral Palsy using Split-Belt Treadmill Training" to KAU-USF Center for Assistive, Rehabilitation & Robotics Technologies with Dr. Seok Hun Kim submitted on 1-24-11

Co-PI on Protocol entitled "Natural History Biomarkers in Friedreich's Ataxia" submitted to *Friedreich's Ataxia Research Alliance (FARA)* with Theresa Zesiewicz, MD and Clifton Gooch, MD in March, 2010. **Research funded for \$100,000 on July 10, 2010.**

Co-Investigator on NIH STTR Grant entitled "Inflammatory Profile after Stroke in Man" with PI Dr. Alison Willing of USF Dept. of Aging and Brain Repair submitted July, 2010. Not funded

Co-PI on two USF Neuroscience Collaborative Grant Applications submitted 1-19-10 entitled:
 "A Pilot, Prospective Open Label Trial of a Novel Treatment for PSP with Varenicline (Chantix)" with PI Theresa Zesiewicz, MD
 "Blood Markers after Acute Ischemic Stroke in Man" with PI Allison Willing", PhD and Michael Sloan, MD, MS

Co-Investigator on NIH ARRA Challenge Grant entitled "Chemokine Expression after Acute Ischemic Stroke in Man" with PI Dr. Alison Willing of USF Dept. of Aging and Brain Repair. submitted June 2009. Not funded

PI on USF Graduate Student Challenge Grant entitled "Efficacy of Combined Gait and Aphasia Treatment for Stroke" submitted to USF Office of Research and Innovation. Dec. 2008. Not funded

Co-PI on USF Interdisciplinary Research Development Grant Application to USF Division of Sponsored Research. Title of grant "Efficacy of Combined Gait and Aphasia Treatment in Stroke Recovery" submitted with Jackie Hinckley, PhD, SLP in Feb., 2008 for \$50,000. Not funded

Co-PI on NIH R21 Grant entitled "Exercise-enhanced language stimulation treatment for post-stroke aphasia". Submitted with Jackie Hinckley, PhD, SLP on 9-29-05 in the amount of \$353,500 Not funded.

PI on "New Researcher Grant" application to USF Research Council and Division of Sponsored Research. Grant title "Treadmill Training with Partial Body Weight Support Compared with PNF Gait Training in Persons with Chronic Stroke". **Grant funded by USF Division of Sponsored Research for \$9559.00 on March 28, 2003.**

Co-Investigator on grant application (ECU HPERS Dept.) to Office of Special Education Programs in Washington, D.C. in 1988. Grant proposal title, "Using Technology to Improve Assessment of Children with Handicaps." Funds requested: \$116,366.00. Not funded

Margaret Knott Foundation Research Grant for Master's Degree Research at Medical College of Virginia obtained from Kaiser Foundation Rehabilitation Center, Vallejo, CA, 1986. **Funded \$1500**

ACADEMIC SERVICE

University of South Florida Committees:

- School of Physical Therapy Mission/Vision Task Force (**Chair**), 2011-present
- School of Physical Therapy Clinical Problem Solving Task Force (**Chair**), 2010-2011
- School of Physical Therapy Curriculum Committee (**Chair**), 2003-2008
- School of Physical Therapy Curriculum Committee (**member**), 2003-present
- School of Physical Therapy Continuing Professional Education Committee 2003-present
- School of Physical Therapy/Physical Therapy Clinic Task Force 2003-2006
- School of Physical Therapy DPT Curriculum Task Force, 2002-2003

East Carolina University Committees:

- School of Allied Health Sciences Curriculum Committee, 1987 - 1989
- School of Allied Health Sciences Admissions Committee, 1988 - 1989
- Physical Therapy Admissions Committee (**Admissions Coordinator**), 1987- 1989
- Physical Therapy Graduate Curriculum Committee, 1987 - 1989
- Student Physical Therapy Club Advisor, 1987 – 1989

USF Office of Research Internal Grant Reviewer:

- Validation of Quantitative Ultrasound as a Measure of Bone Mineralization in Preterm Infants; Grant applications reviewed spring, 2006.
- Perceptions of Exercise in Women: A Comparison of Weight and Fitness Status; Grant applications reviewed spring, 2006.

Manuscript Reviewer for Archives of Physical Medicine and Rehabilitation, 2011-present

HONORS AND AWARDS

Awarded Professional Development Leave from USF Health for Spring, 2012 to complete PhD Research Proposal. Successfully presented CQE on 6-20-12
Graduate Teaching Assistant Grant, Medical College of Virginia, Richmond, VA, 1984

A.D. Williams Scholarship, Medical College of Virginia, Richmond, VA, 1984

PROFESSIONAL ORGANIZATIONS

Virginia Physical Therapy Association, 1984 – 2002

Florida Physical Therapy Association, 2002 - Present

American Physical Therapy Association, 1977– Present

Neurology and Education Section Member; Member of Stroke SIG

Member of the Association of Medical Science Graduate Students (AMSGS)

CONTINUING EDUCATION - COORDINATED/PRESENTED

- | | |
|-----------------------|--|
| 2001 – present | Primary Instructor Level I with the Institute of Physical Art,
Steamboat Springs, CO in twenty hour PNF Gait Courses |
| 1982 - present | Primary Instructor Level I with the Institute of Physical Art
in thirty-hour continuing education courses entitled PNF I and PNF II |
| 1983 - present | Primary Instructor in twenty-hour continuing education courses
entitled: "PNF, An Introductory Workshop in Evaluation and
Clinical Application" , Braintree Hospital, Braintree, MA; Danbury
Hospital, Danbury, CT; St. Luke's Hospital, New York, NY; Pitt
County Memorial Hospital, Greenville, NC; Johnston-Willis
Hospital, Richmond, VA; Medical College of Virginia Hospital,
Richmond, VA; Occupational Therapy Program, East Carolina
University, Greenville, NC; JTCC Community College, Chester, VA |

CONTINUING EDUCATION & PROFESSIONAL MEETINGS – ATTENDED

Neurocom Clinical Integration Seminar, Neurocom Corporation, Portland, OR, July, 2012

Concentrated Education Series on “NUSTEP, III STEP and Beyond” at APTA National
Conference, Tampa, FL, June 2012

Combined Sections Meeting, Chicago, IL, February, 2012

Society for Neuroscience, Washington, DC, November, 2011

APTA Education Leadership Conference, Clearwater, FL, October, 2011

FARA Scientific Symposium, Tampa, FL, August, 2011

Write Winning Grants. Presented by the USF Health Clinical & Translational Science Institute,
Tampa, FL, May 11, 2011

Keys to Progressing Care of the ICU Patient: Best Rest is a Thing of the Past. Konrad Diaz, PT,
DPT, CCS of Professional Therapy Seminars, Tampa, FL, April 2011

Establishing ASD Networks for Collaboration in Education and Research. Symposium funded by
the USF Neuroscience Collaborative. Role – Facilitator, Tampa, FL, April 2011

Excellence in Geriatric Care, 12th Annual USF Geriatric Institute, Tampa, FL, June 2010

Evaluation & Rehabilitation of Adults and Children with Tracheostomy, USF Communication
Sciences and Disorders Dept., Tampa, FL, 2010

Concentrated Education Series on Stroke at Combined Sections Meeting, Nashville, TN, 2008

Concentrated Educational Series on Spinal Cord Injury at APTA National Conference, Denver, CO, June, 2007

Self Study Workshop for Physical Therapy Education Programs, Presented by the Department of Accreditation, APTA, Denver, CO, June, 2007

Introduction to Pharmacology for Physical Therapists, Barbara Gladson, PhD, OTR, PT, Sponsored by University of South Florida SPTRS, Tampa, FL, Sept. 2006

Cardiovascular Disease: Implications for Physical and Occupational Therapists. Konrad Dias, DPT, CCS, Professional Therapy Seminars, Tampa, FL, Aug. 2006

Concentrated Educational Series on Traumatic Brain Injury at APTA National Conference, Orlando, FL, June, 2006

Clinical Application of Functional Neuroanatomy. Sheryl Flynn, PT, PhD, Dogwood Institute, Inc., Sarasota, FL, Nov. 2005

III STEP Conference: Linking Movement Science and Interventions, University of Oklahoma, Salt Lake City, UT, July 15-22, 2005

Combined Sections Meeting of APTA. New Orleans, LA, Feb. 2005

NDT Update: Facilitating Movement and Improving Function, Jan Davis, OT, University of Central Florida, Orlando, FL, March, 2004

Functional Mobilization of the Upper Quadrant, Gregg Johnson, PT, CFMT, The Institute of Physical Art, Arizona School of Health Sciences, Mesa, AZ, Oct. 2003

Combined Sections Meeting of APTA and pre-conference course on **"Translating Research into Clinical Practice for Patients Post-Stroke."** Tampa, FL, Feb. 2003

Partial Body Weight Treadmill Training: Theory & Clinical Applications for Patients with Neurological Disorders, Peggy Trueblood, PT, PhD, Nova Southeastern University, Ft. Lauderdale, FL, Jan. 2003

Whiplash Disorders, Debra Dent, PT, OCS, FCAMT, Sponsored by West Central FPTA and USF, Tampa, April, 2002

Functional Mobilization of the Lower Quadrant, Gregg Johnson, PT, CFMT, The Institute of Physical Art, George Washington University, DC, May 2001.

Functional Orthopedics II, Gregg Johnson, PT, CFMT, The Institute of Physical Therapy, University of St. Augustine, St. Augustine, FL, July 2000. Course previously taken in 1999

Back Education and Training, Vicki Saliba Johnson, PT, The Institute of Physical Art, Baltimore, MD, May 1998. Lab Assistant in this course in Charlottesville, VA, 2001

Strategies to Optimize UE Function in the Patient with Neurological Dysfunction, Ann Charness, MS, PT, Johnston-Willis Hospital, Richmond, VA, Sept. 1997.

Cervical Whiplash, Lance Twomey, PhD, Medical College of Virginia, Richmond, VA, Oct. 1996.

Pathophysiology and Mechanics of the Shoulder, Robert Donatelli, PhD, PT, Henrico Doctor's Hospital, Richmond, VA, Aug. 1996.

S1: Introduction to Spinal Evaluation and Manipulation, The Institute of Physical Therapy, Washington, DC, Jan. 28 – Feb. 3, 1994.

II STEP: Contemporary Management of Motor Control Problems, APTA Sections on Neurology and Pediatrics and the Foundation for Physical Therapy, The University of Oklahoma, Norman, OK, July 1990.

Virginia Clinical Education Consortium, Sponsored by VA Physical Therapy Education Programs, Williamsburg, VA, Feb. 1990 and 1994.

Functional Orthopedics I, Gregg Johnson, PT, The Institute of Physical Art, Southside Institute, Bay Shore, NY, May, 1989. Course retaken in Sept. 1991.

Motor Control Theories: Implications for Assessing and Treating the Adult, AHEC, Rocky Mount, NC, April 1989.

Successful Therapy Using Large Gymnastic Balls, EAHEC, Greenville, NC, Feb 1989.

Neuro-Developmental Treatment of the Adult Hemiplegic, Three Week Adult NDT Certification, Harmarville Rehabilitation Center, Pittsburgh, PA, Jan. 1984.

Extremity Mobilization Workshop, Braintree Rehabilitation Hospital, Braintree, MA, Sept. 1983.

Six Month Post-Graduate Training Program in Proprioceptive Neuromuscular Facilitation, Kaiser Foundation Rehabilitation Center, Vallejo, CA, April-October 1982.

Second Annual Braintree Head Injury Conference, Braintree Rehabilitation Hospital, Braintree, MA, Oct. 1981.

PNF II: Clinical Applications of Proprioceptive Neuromuscular Facilitation, IPA, Hartford Hospital, Hartford, CT, Sept. 1981.

Clinical Considerations in Geriatric Rehabilitation I and II, Danbury Hospital, Danbury, CT, Sept. 1981.

Wheelchair Prescription and Adaptations, Gaylord Rehabilitation Center, Wallingford, CT, May 1981.

PNF I: A Functional Approach to Proprioceptive Neuromuscular Facilitation, The Institute of Physical Art (IPA), Hartford, CT, April 1981.

PNF: Mat Activities for the Hemiplegic Patient, New England Rehabilitation Hospital, Woburn, MA, April 1980.

After Brain Injury: Motion, Perception and Cognition, University of Connecticut, Waterbury, CT, March 1980.

Management of the Spinal Cord Injured Patient, Rusk Institute of Rehabilitation Medicine, New York, NY, Dec. 1979.

Cyriax Approach to Soft Tissue Evaluation and Treatment, Hartford Hospital, Hartford, CT, July 1979.

CURRICULUM VITAE
Laura Lee (Dolly) Swisher, PT, M.Div., Ph.D.

Laura Lee (Dolly) Swisher, PT, MDiv, Ph.D.
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 12901 Bruce B. Downs Blvd., MDC 77
 Tampa, FL 33612-4799

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 813-974-8905 (Fax)
LSwisher@health.usf.edu

Education:

<u>Institution</u>	<u>Dates of study</u>	<u>Field of study</u>	<u>Degree</u>	<u>Date received/Honors</u>
Tennessee State University Nashville, TN	1995 -1998	Public Administration	Ph.D.	1998
University of Tennessee Nashville, TN	1985 - 1986	Physical Therapy	B.S.	1986
Tennessee State University Nashville, TN	1984 - 1985	Prerequisites	NA	NA
Vanderbilt University Nashville, TN	1980 - 1983	Doctoral student – Religious Ethics	NA	NA
Andover Newton Theological School Newton Centre, MA	1974-1978	Theology	M.Div.	1978 cum laude
Wilson College Chambersburg, PA	1969-1973	Religion Studies	B.A.	1973 magna cum laude Phi Beta Kappa

Licensure Information/Registration Number:

Licensed Physical Therapist: Florida # 18667 (12/16/99 – present, Active license)
 Tennessee #1556 (3/10/87 – 1/31/05, Active license), currently inactive

Certifications (e.g., ABPTS):

Certified Hand Therapist, certified by the Hand Therapy Certification Commission (1992 – 1997)

Employment and Positions Held:

2006 – present	Associate Professor (tenured) Coordinator of Professional Education School of Physical Therapy and Rehabilitation Sciences Assistant Dean for Interprofessional Education College of Medicine University of South Florida (Tampa, FL)
2005 – 2006	Associate Professor (tenured) Coordinator of Professional Education School of Physical Therapy University of South Florida (Tampa, FL)
1998 – 2005	Assistant Professor School of Physical Therapy University of South Florida (Tampa, FL)

1996 – 1998	Clinical Specialist for Research (4/98 – 10/98), Clinical Coordinator (7/96-4/98) Vanderbilt University Medical Center Department of Rehabilitation Services (Nashville, TN)
1993 – 1996	Department Head Department of Physical Therapy Tennessee State University (Nashville, TN)
1993	Acting Department Head Department of Physical Therapy Tennessee State University (Nashville, TN)
1991 – 1993	Center Coordinator for Clinical Education Vanderbilt University Medical Center Department of Rehabilitation Services (Nashville, TN)
1986 – 1991	Staff Physical Therapist Vanderbilt University Medical Center Department of Rehabilitation Services (Nashville, TN)
1981 – 1985	Resident House Manager YWCA Domestic Violence Program (Nashville, TN)
1980 – 1981	Associate Director of Field Education Vanderbilt Divinity School (Nashville, TN)
1980	Interim Program Director Forest Hills United Methodist Church (Brentwood, TN)
1978 – 1979	Director of Student Services and Religious Life Acting Director of Admissions Wilson College (Chambersburg, PA)
1976-1977	Student Hospital Chaplain Deaconess Hospital (St. Louis) Memphis Institute of Medicine and Religion
1973-1974	Accounting Clerk New England Life Insurance Company (Boston, MA)

Peer Reviewed Publications

(Senior or first author indicated by bold underlined font)

Peer reviewed publications in print

1. **Swisher LL**, van Kessel G, Jones M, Beckstead J, Edwards I. Evaluating moral reasoning outcomes in physical therapy ethics education: stage, schema, phase, or type? *Phys Ther Rev.* 2012;17(3):167-175. DOI 10.1179/1743288X12Y.0000000011.
2. Edwards I, van Kessel G, Jones M, Beckstead J, **Swisher LL**. The development of moral judgment and organization of ethical knowledge in final year physiotherapy students. *Phys Ther Rev.* 2012;17(3):157-166. DOI 10.1179/1743288X12Y.0000000001.

3. Edwards I, Delany CM, Townsend AF, **Swisher L**. New perspectives on the theory of justice: implications for physical therapy ethics and clinical practice. *Phys Ther*. 2011; 91:1642–1652. DOI: 10.2522/ptj.20100351.10.
4. Edwards I, Delany CM, Townsend AF, **Swisher L**. Moral agency as enacted Justice: a clinical and ethical decision making framework for responding to health inequities and social injustice. *Phys Ther*. 2011;91: 1653–1663. DOI: 10.2522/ptj.20100351.20.
5. **Swisher LL**. Invited commentary on "Understanding the lived experiences of patients: the application of a phenomenological approach to ethics." *Phys Ther*. 2010;90. DOI: 10.2522/ptj.20090348.ic.
6. **Swisher LL**. Moral reasoning among physical therapists: results of the Defining Issues Test. *Physiotherapy Research International*. 2010;15(2):69-79, DOI: 10.1002/pri.482.
7. **Swisher LL**, Hiller P. The revised APTA *Code of Ethics* for the physical therapist and *Standards of Ethical Conduct for the Physical Therapist Assistant*: theory, purpose, process and significance. *Phys Ther*. 2010;90(5):803-824, DOI: 10.2522/ptj.20090373.
8. **Swisher LL**, Woodard LJ, Quillen WS, Monroe ADH. Centralized and decentralized organizational models of interprofessional education for physical therapy and medical students. *Journal of Physical Therapy Education*. 2009;24(1):12-18.
9. **Swisher LL**, Nyland JA, Klossner D, Beckstead J. Ethical issues in Athletic Training: A descriptive foundational study. *Athl Ther Today*. 2009;14(2):3-9.
10. **Swisher LL**, Beckstead JW, Bebeau MJ. Factor analysis as a tool for survey analysis using a professional role orientation inventory as an example. *Phys Ther*. 2004;84(9):784-799.
11. Rizzo AM and **Swisher LL**. Comparing the SSMS and DIT-2 as measures of moral reasoning in public administration. *Journal of Public Administration Research and Theory*. 2004;14(3):335-348.
12. **Swisher LL**. A retrospective analysis of ethics knowledge in Physical Therapy (1970-2000). *Phys Ther*. 2002;82:692-706.
13. **Swisher LL**, Rizzo AM, and Marley MA. Moral reasoning among public administrators: does one size fit all? *Public Integrity*. 2001; III (1), Winter: 53-68.

Publications submitted, in revision or in process (Not included in publication totals on Application Summary)

1. Jones M, van Kessel G, **Swisher LL**, Beckstead J, Edwards I. Concept map and the Structure of Observed Learning Outcome (SOLO) Assessment of physiotherapy students' ethical reasoning knowledge. 2012. Manuscript submitted to *Assessment and Evaluation in Higher Education* for review. (Resubmission, in review)
2. Greenfield, **Swisher LL**. The Difficult Patient Reconceived: The Difficult Patient – Provider Relationship: Implications for Physical Therapy Practice. Manuscript submitted to *Phys Ther*. (Submission, in revision)
3. **Swisher LL**. Invited commentary on "Badmouthing of Healthcare Professionals." *Journal of Physical Therapy Education*. (In process)

Abstracts: Peer Reviewed Scientific and Professional Presentations

Presentations made for meetings which were selected for presentation based on peer-reviewed evaluation or major presentations made in peer-reviewed venues.

International Peer-Reviewed Presentations

1. **Swisher LL**, Schocken D, Sadhi G, Belote MJ, Rauch ES, Gonzalez L, Airey C, Cuppett M, Schwartz A, Koenig M, D'Aoust R, Haubner L, Bond W, Monroe A. Don't be Talking IPE with Silos on Your Mind. Collaborating Across Borders III. Tucson, AZ. November 2011.
2. Schocken D, **Swisher LL**, Sadhi G, Belote MJ, Rauch ES, Gonzalez L, Cuppett M, Schwartz A, Koenig M, D'Aoust R, Haubner L, Bond W, Monroe A. Negotiating the Maze of Academic Healthcare. An Interprofessional Journey of Collaboration. Collaborating Across Borders III. Tucson, AZ. November 2011.
3. **Swisher LL**, Jensen GJ, Delany C, Adel AA, Præstegaard J, Edwards I, Purtilo RB. Forging Links to Moral Action: Reaching Beyond Boundaries. World Congress of Federation of Physical Therapy. Amsterdam, Holland. June 2011. (Convenor, Focused Symposium.) (This was one of only 18 proposals for Focused Symposia selected from across the world for the WCPT, and the symposium was later selected to be an on-line course. As convener, I assembled a team of ethics experts from Afghanistan, Australia, Denmark, and the United States; developed a theme for the panel; and integrated individual contributions into the central theme for the panel.)
4. **Swisher LL**, Jensen GM, Purtilo RB, Nalette E. Interprofessional Group Formation and Development: The Dreamcatchers Experience. Collaborating Across Borders II. Halifax, Nova Scotia. May 2009.
5. **Swisher LL**. The Problem of Measurement in Ethics Education. Part of the workshop "Educating for Moral Action: Creating a Global Dialogue" presented by Purtilo RB, Jensen GJ, Swisher LL, Mostrom E, Edwards I, and Delany C. World Confederation of Physical Therapy. Vancouver, BC, Canada. June 2007.

National Peer-Reviewed Presentations

Major peer reviewed presentations of 1.5 hours to 1 full day, unless designated as a poster or platform presentation.

1. Stephenson J, Hansen LB, Swisher LL. Longitudinal Integrative Student Evaluation Using Standardized Patients: Lessons Learned. APTA Education Leadership Conference Platform Presentation, Clearwater, FL. October, 2011
2. Monroe AM, **Swisher LL**. Presenter and panel participant. Frost JS, Jensen G, Schmitt, Gilbert JHV, Brandt B. MH. Interprofessional Education: All Aboard! Preconference workshop. PT 2011: APTA Annual Conference and Exposition. National Harbor, MD. June 2011.
3. Monroe AM, D'Aoust RF, **Swisher LL**, Schocken DM. Engaging Faculty in Interprofessional Education: Walking the Talk. Group on Regional Medical Campus. AAMC. New Orleans, LA. March 2011.
4. **Swisher LL**, Davis CM. Teaching Ethics with the Revised Core Ethics Documents: Dynamic Tools for Students and Practitioners. Combined Sections Meeting of the American Physical Therapy Association. New Orleans, LA. February 2011.
5. **Swisher LL**, Quillen WS, Monroe AM. Centralized and Decentralized Organizational Models of Interprofessional Education for Physical Therapy and Medical Students. PT 2010: APTA Annual Conference and Scientific Exposition, Boston, MA. June 2010.
6. **Swisher LL**, Purtilo R, Jensen G, Royeen C, et al. from the Dreamcatchers Visionary Group. Teaching Ethics and Professionalism in Rehabilitation: An Interprofessional Workshop. Preconference workshop given at Combined Sections Meeting of the American Physical Therapy Association. San Diego, CA. February 2010.

7. **Swisher LL**, Ippolito C, Quillen WS. A Multistakeholder Web-Based System for Evaluating Professionalism in DPT Students. PT 2009: APTA Annual Conference and Scientific Exposition, Baltimore, MD. June 2009.
8. **Swisher LL**, Hiller P. An Update on the Proposed Revision of the APTA Core Ethics Documents. Presentation made at Combined Sections Meeting of the American Physical Therapy Association. Las Vegas, NV. February 2009.
9. **Swisher LL**. Ethics in Clinical Education: Panel Discussion. Panel leader and presenter. National Clinical Education Conference. Educational Leadership Conference of the Education Section of the American Physical Therapy Association. Phoenix, AZ. October 2008.
10. **Swisher LL**. What is success? The Problem of Outcomes in Physical Therapy Ethics and Professionalism. Keynote address. National Clinical Education Conference. Educational Leadership Conference of the Education Section of the American Physical Therapy Association. Phoenix, AZ. October 2008.
11. Black J, Hiller P, **Swisher LL**. Open Forum on the revision of the APTA's core ethics documents. PT 2008: APTA Annual Conference and Scientific Exposition, San Antonio, TX. June 2008.
12. **Swisher LL**. Promoting Professionalism in Practice: Can it be Studied? Can it be Taught? PT 2006: Annual Conference and Exposition of the American Physical Therapy Association. Orlando, FL. June 2006.
13. **Swisher LL**. Responding to Difficult Ethical Situations in Home Health. Home Health Section at Combined Sections Meeting of the American Physical Therapy Association. New Orleans, LA. February 2005.
14. Kirsch NR, **Swisher LL**. Resolving Ethical Dilemmas in the Clinical Setting: A Practical Approach. PT 2005: APTA Annual Conference and Scientific Exposition, Boston, MA; 9 June 2005.
15. **Swisher LL**, Kirsch NR, Arslanian LE, Cooperman J. Second Annual Ethics Forum: Ethics Under Pressure. Health Policy and Administration Section at Combined Sections Meeting of the American Physical Therapy Association. New Orleans, LA. February 2005.
16. Purtilo RB, Jensen GM, **Swisher LL**, Hack LM, Mostrom E. Catching the Dream: Preparing Clinicians for a Lifetime of Moral Action. Presentation made for the Education Section at Combined Sections Meeting of the American Physical Therapy Association. New Orleans, LA. February 2005.
17. Black J, Gandy J, **Swisher LL**. Professionalism in Physical Therapist Academic and Clinical Education. Education Department presentation. PT 2004: Annual Conference and Exposition of the American Physical Therapy Association. Chicago, IL. June 2004.
18. Arslanian, LE, Davis CM, Hiller P, Sisola S, **Swisher LL**. Recommitment to Professionalism: Vision 2020. Session presentation at PT 2004: Annual Conference and Exposition of the American Physical Therapy Association. Chicago, IL. June 2004.
19. **Swisher LL**. Current Ethical Issues in Physical Therapy Practice. Pre-Conference presentation made for the Tennessee Chapter at Combined Sections Meeting of the American Physical Therapy Association. Nashville, TN. February 2004.
20. **Swisher LL**. Home Care Ethics in the Trenches. Home Health Section at Combined Sections Meeting of the American Physical Therapy Association. Nashville, TN. February 2004.
21. Arslanian LE, Davis CM, and **Swisher LL**. Ethics from the Trenches: Everyday Ethics and the Real World. Plenary presentation made at Combined Sections Meeting of the American Physical Therapy Association. Nashville, TN. February 2004.

22. **Swisher LL**, Nyland JA, and Klossner D. Ethical Issues in the Treatment, Rehabilitation, and Reconditioning of Athletic Injuries. Poster presentation at the Combined Sections Meeting of the American Physical Therapy Association. February 2002.
23. **Swisher LL**. Back to the Future: A Retrospective Analysis of Ethics Knowledge in Physical Therapy (1970-2000). Platform presented at the Combined Sections Meeting of the American Physical Therapy Association. February 2002.
24. **Swisher LL**. Using Cases to Teach Physical Therapy Ethics. Platform presentation to the Section on Education, Combined Sections Meeting of the American Physical Therapy Association, San Antonio, TX. February 2001.

Non-Peer Reviewed Publications

Books in Print

1. **Swisher LL** and Page CG. *Professionalism in Physical Therapy: History, Practice and Development*. St. Louis, MO: Elsevier Saunders, 2005
2. **Swisher LL** and Brophy CK. *Legal and Ethical Issues in Physical Therapy*. Woburn, MA: Butterworth-Heinemann, 1998.

Books under contract in development

1. **Swisher LL**, Doherty R. *Rehabilitation Ethics: New Paradigms for Education, Research, and Practice*. Contracted by Jones and Bartlett Publishers. In development.

Book Chapters and Monographs

1. Greenfield B, **Swisher LL**. "The Role of Narratives in Professional Formation for Students." In J Higgs, J Baldry-Currens, G Jensen, W Letts (Eds.), *Realizing Exemplary Practice-Based Education*. Sense Publishers, 2012 (in press).
2. **Swisher LL**. "Professionalization and the Ethic of Care: Educating for an Interprofessional Moral Community." In: Royeen CB, Jensen GM, and Harvan RA, eds. *Leadership in Interprofessional Health Education and Practice*. Sudbury, MA: Jones and Bartlett; 2009.
3. **Swisher LL**. "Patient Case Example #8" in Nyland JA (ed), *Clinical Decisions in Therapeutic Exercise: Planning and Implementation*. "Client Case #5." Upper Saddle River, NJ: Prentice-Hall, 2005.
4. **Swisher LL**. "Environment, Professional Identity, and the Roles of the Ethics Educator: An Agenda for Development of the Professional Ethics Curriculum." In Purtilo R., Jensen G., and Royeen C., eds. *Educating for Moral Action: A Sourcebook in Health and Rehabilitation Ethics*. Presentation published by FA Davis in the proceedings of "Leadership in Ethics Education: A Working Conference" (September 11-14, 2003). Philadelphia: FA Davis, 2005.
5. **Swisher LL**, Rizzo AM, and Marley MA. Update on moral reasoning research and theory in public administration: A neo-Kohlbergian Perspective. In Frederickson G. and Ghore R., eds. *Ethics in Public Administration*. Armonk, NY: M. E. Sharpe, 2005.
6. **Swisher LL**. "Ethics in Geriatric Physical Therapy." Topics in Geriatric Physical Therapy. Home Study Course published by the Geriatric Section of the American Physical Therapy Association. August, 2005.

Non-Peer Reviewed Journal Publications

1. Daulong M, Hildreth P, **Swisher LL**. Liability awareness: An Attack From Within. Embezzlement Couldn't Happen to You, Right? Or Could It? *PT Magazine*. 2008;16(1).

2. **Swisher LL**, Arslanian LE, and Davis CM. The Realm-Individual Process-Situation (RIPS) Model of Ethical Decision-Making. *HPA Resource*. 2005;5(3):1,3-8.
3. **Swisher LL**, Medlin KP. The Case of Conflicting Accountabilities. *Gerinotes*. Fall 2000.

Non-Peer Reviewed Presentations (Selected):

Swisher LL, Anderson B, Guevin M. The Revised Core Ethics Documents: Putting Ethics into Action for Practice, Leadership, and Mentoring. Florida Physical Therapy Association. March, 2010. Invited.

Swisher LL. "The APTA Code of Ethics and Standards of Ethical Conduct: Past, Present and Future." Presentation made for a meeting of the West Central District of the FPTA. July, 2009.

Swisher LL. "An Update on the Proposed Revision of the APTA Core Ethics Documents." Presentation made to Florida delegates of the FPTA at the spring meeting of Florida Physical Therapy Association. Orlando, FL. March, 2009.

Swisher LL. "Ethics and Professionalism in Physical Therapy: Beyond the Realm-Individual Process-Situation (RIPS) Model." Florida Physical Therapy Association. Orlando, FL. March, 2007.

Swisher LL. "Professionalism in Physical Therapy: Past, Present, and Future." Student Conclave of the FPTA. February, 2007.

Page CG, Swisher LL, Nicholson SK. "Panel on Supervision, Delegation and Utilization of Aides." Presentation made for a meeting of the West Central District of the FPTA. 2006.

Creative and On-line Educational Products:

Podcast Discussion of article "Qualitative Research Ethics" *Participants*: Laura Lee Swisher, PT, MDiv, PhD, and Anne Townsend, PhD. *Moderator*: Diane U. Jette, PT, DSc, **PTJ** Editorial Board Member. Posted 8/13/2010.

Swisher LL, Hiller P, Kirsch NR, Hinton C, Haskins AR, Nordrum J, Anderson BJ, Nordstrom T, APTA staff. Information on APTA's Revised Code of Ethics for the Physical Therapist and Standards of Ethical Conduct for the Physical Therapist Assistant. Served as co-author and content expert for on-line educational module published in 2010. The on-line educational module was developed from a presentation that I had created to instruct APTA members about the revised Code of Ethics when I served as the Co-chair of the Task Force to Revise the Code of Ethics.

APTA Multi-part Professionalism Modules – APTA Task Force

Multi-module on-line education created for the APTA as part of the Professionalism Task Force. Available on-line in 2008. I was selected by the Board of Directors of the APTA to be part of a Task Force to develop educational materials about Professionalism in physical therapy. I was the senior author/developer for modules 2 and 3, and served as a content reviewer for module one. These educational modules have been utilized by thousands of physical therapists and physical therapist assistants. Completion of these modules is required for certification as an advanced credentialed clinical education instructor.

Gandy JS, APTA Task Force on Professionalism and APTA Staff. Professionalism Module 1: Introduction to Professionalism. On-line educational module. Role: Content expert.

Arslanian LE, **Swisher LL**, Gandy JS. Professionalism Module 2: History of Professionalism in Physical Therapy. On-line educational module. Role: Co-author and content expert.

Swisher LL, PT, Gandy JS. Professionalism Module 3: History of Professionalism in Physical Therapy. "Professionalism in Physical Therapy: Moral Compass." On-line educational module. Role: Author and content expert.

Funded Grants

Swisher LL, Quillen WS, Co-Principal Investigators

Impairments in Balance, Gait, Vestibular and Hearing Functions in USF Student OEF and OIF Veterans Compared to a Control Group of Non-veteran Students.

Funding Source: Department of Defense.

Role – Co-Principal Investigator

Percent of Effort: 15%

Total Amount of Award (including indirects): \$264,600

10/2011 – 9/2013

Swisher LL, Principal Investigator

Rehabilitation Ethics: New Paradigms for Research, Education, and Practice

University of South Florida Conference Support Grant

\$8,350

6/01/12 – 5/31/13

Swisher LL, Principal Investigator

World Confederation of Physical Therapy; Vancouver, BC (2007)

University of South Florida International Travel Grant

\$2,500

Spring, 2006

Swisher LL, Principal Investigator

Moral Reasoning and Professional Role Orientation Among Practicing Physical Therapists

\$7,500

University of South Florida Research and Creative Scholarship Grant

May 1, 2000 – April 30, 2001

Continuing Education Workshops Conducted/Organized

Planner and organizer for Dreamcatchers held in Tampa (2012)

Primary planning group for Dreamcatchers held in Rochester (2008)

Membership in Scientific/Professional Organizations

American Physical Therapy Association

Dreamcatchers Visionary Ethics Consortium Steering Committee (June 2012 – present)

Positions Held and Service to Scientific and Professional Organizations

American Physical Therapy Association - Professional Service

Ethics and Judicial Committee

2006 – 2007 Chair

2002 – 2006 Member

Adopt-a-Student or Faculty Member

2005 – 2006 Education Section: Initiated and executed (with David Pariser) an adoption program to benefit PT and PTA students and faculty who were affected by Hurricane Katrina.

Donations solicited = \$41, 226.72

Also assisted students in obtaining grants.

Financial impact = \$56,726.72

Manuscript Review and Editorial Board Activity

Journal of Physical Therapy Education	2011 – Present	Editorial Board Member
International WCPT Congress - World Physical Therapy	2011 and 2007	Reviewer
Physical Therapy	2003 – present	Manuscript Reviewer
Journal of the Section on Women's Health	1998	Manuscript Reviewer
Journal of Physical Therapy Education	2004 – present	Manuscript Reviewer
Journal of the Health Policy and Administration Section	2006 – present	Manuscript Reviewer
Physiotherapy	2008, 2010, 2011	Manuscript Reviewer
Physiotherapy Canada	2008	Manuscript Reviewer
Physiotherapy Theory and Practice: The International Journal of Physical Therapy	2003 – present	Manuscript Reviewer
PT Reviews	2008	Manuscript Reviewer

Educational Accreditation Activities

Commission on Accreditation in Physical Therapy Education	2012	Candidacy Reviewer	1 Visit
	2010	Team Leader for On-Site Review Team	1 On-site Visit
	2009	Team Leader for On-Site Review Team	1 On-site Visit
	2006	Team Leader for On-Site Review Team	1 On-site Visit
	2005	Team Leader for On-Site Review Team	1 On-site Visit
	2004	Team Leader for On-Site Review Team	1 On-site Visit
	2002	Team Leader for On-Site Review Team	1 On-site Visit
	2001	Team Leader for On-Site Review Team	1 On-site Visit
	1999	On-site Reviewer	1 On-site Visit
	1998	On-site Reviewer	1 On-site Visit
	1996	On-site Reviewer	1 On-site Visit

Appointed Task Forces

Education Consultant Pool Task Force

1994 – 1995 Department of Education

Professionalism Task Force (Appointed by APTA Board of Directors)

2004 – present Charged with developing on-line professionalism modules for APTA.
2007 Content reviewer for professionalism module.

Task Force on the Revision of the Core Ethics Documents of the American Physical Therapy Association

2007 – 2009 Co-Chair

(Selected by APTA Board of Directors to serve as Co-Chair to lead a two-year Task Force to revise the Code of Ethics of the American Physical Therapy Association. The resulting document was approved by the House of Delegates in 2009, became effective in 2010, and results published in a peer-reviewed venue.)

State Chapter Activities - APTA

Tennessee Physical Therapy Association

Chapter Ethics Committee

1/1992 – 8/1998 Chairman
1/1992 – 12/1997 Vice President

APTA House of Delegates

1994 Delegate
1993 Delegate
1992 Delegate
1991 Delegate

Middle District

6/1987 – 10/1991 Treasurer

Community Service

1999-2000 University of South Florida Elderhealth Advisory Board

Service to the University/College/School on Committees/Councils/Commissions

University of South Florida School of Physical Therapy and Rehabilitation Sciences

Curriculum Committee

2008 – present Chair
2007-2008 Member
2006-2007 Member
2005-2006 Member
2004-2005 Member
2003-2004 Member
2002-2003 Member
2001-2002 Member
2000-2001 Member
1999-2000 Member

[2003 – 2005 Curriculum Committee Served as *Ad Hoc* Committee to Develop the DPT Curriculum]

Academic Performance Review Sub-Committee

2009 – present	Member
2005 – 2009	Chair

Appointment, Promotion, and Tenure Committee

2005 – present	Chair
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Ad Hoc Annual Evaluation Committee

2007 – present	Chair
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Academic Faculty Search Committee

2012	Member
Spring 2009 –present	Consulting Member
Fall 2008	Consulting Member
Fall 2007	Consulting Member
Spring 2007	Member/Interim Chair
Fall 2006	Member
Fall & Summer 2004-2005	Chair
Fall 2001	Chair
Fall 2000	Chair
Fall 1999	Member

Clinical Faculty Search Committee

2010 – present	Member
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DPT Development Task Force

2002 - 2003

University of South Florida Morsani College of Medicine

Interprofessional Council/IPE Workgroup

2011-2012	Member of Council/Workgroup
2010-2011	Member of Council and member of Sub-committee of Task Force to Develop USF Health IPE Proposal
2009-2010	Member of Council

Morsani College of Medicine Appointment, Promotion, and Tenure Committee

2010 – present	Member
2009 – 2010	Member
2008 – 2009	Member
2007 – 2008	Member

Morsani College of Medicine Financial Oversight Committee

2009-2010	Member
2008 - 2009	Member
2007 – 2008	Member

Morsani College of Medicine Curriculum Committee

2010 – present	Member
2011	Educational Outcomes Sub-Committee
2009-2010	Member
2008-2009	Member
2007-2008	Member
2006-2007	Member
2006-2006	Member

Morsani College of Medicine By-Laws Committee

2006 – 2007	Chair
2005-2006	Member

Morsani College of Medicine Committee on Committees

2007-2008	Member
2006-2007	Member

Morsani College of Medicine - Director of School of Physical Therapy Search Committee

Spring 2004	Member
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Morsani College of Medicine Leadership Institute

2006-2007	Participant/Graduate
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University Service

University of South Florida

USF Faculty Research Council

2010-2011	Member
2009-2010	Member
2008-2009	Member

Vanderbilt University Medical Center

Ethics Committee

9/1997 – 9/1998	Member
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Tennessee State University Physical Therapy Department

Curriculum Committee

1993 – 1996	
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Admissions Committee

1993 – 1996	
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Continuing Education Attended:

Available on request

Teaching

Teaching Responsibilities in the Entry-Level DPT Program (in sequence, by quarter or semester - from 2007; assigned course contact hours indicated in parentheses):

Fall 2012

PHT 7540 Patient Client Management (30 contact hrs)	Course Co-Director, Instructor
PHT 6205 Doctoring for Physical Therapists (20 contact hrs)	Course Co-Director and Instructor
PHT 7959 Peer to Peer Mentoring (45 contact hrs)	Course Director and Instructor (new course)
PHT 8550 Professional Issues 3 (3 contact hours)	Instructor

Spring 2012:

PHT 7531 Professional Issues 2 (45 contact hrs)	Course Director and Instructor
PHT 7540 Patient Client Management (30 contact hrs)	Course Co-Director, Developer, Instructor (new course)
BMS 6825 Doctoring 1 (15 contact hrs)	Liaison and Presenter
PHT 6205 Doctoring for Physical Therapists (20 contact hrs)	Course Co-Director and Instructor
PHT 8265 Clinical Problem Solving 2 (12 contact hrs)	Instructor - Hand unit

Fall 2011

PHT 7540 Patient Client Management (30 contact hrs)	Course Co-Director, Developer, Instructor (new course)
BMS 6825 Doctoring 1 (15 contact hrs)	Liaison and Presenter
PHT 6205 Doctoring for Physical Therapists (20 contact hrs)	Course Co-Director and Instructor

Spring 2011:

BMS 6825 Doctoring 1 (75 contact hrs)	Task Force to develop new interprofessional year-long small group seminar course for MD and DPT students, small group preceptor
PHT 6205 Doctoring for Physical Therapists (10 contact hrs)	Course Director
PHT 7265 Clinical Problem Solving 2 (12 contact hrs)	Instructor - Hand unit
PHT 7531 Professional Issues 2 (45 contact hrs)	Course Director and Instructor

Fall 2010

BMS 6825 Doctoring 1 (75 contact hrs)	Task Force to develop new interprofessional year-long course for MD and DPT students, small group preceptor
PHT 6205 Doctoring for Physical Therapists	Course Director (new course)
PHT 7402 Psychosocial Aspects of PT (10 contact hrs)	Instructor

Spring 2010:

PHT 7265 Clinical Problem Solving 2 (9 contact hrs)	Instructor - Hand unit
PHT 7531 Professional Issues 2 (60 contact hrs)	Course Director and Instructor

Fall 2009:

PHT 7264 Clinical Problem Solving 1 (11 contact hrs)	Instructor
BMS 5005 Professions of Medicine (19 contact hrs)	Lecturer, Panel Organizer, Liaison
PHT 7421 Professional Issues 1 (45 contact hrs)	Course Director and Instructor
BMS 6830 Physical Diagnosis 1 (16 contact hrs)	Musculoskeletal Examination Laboratory - Organizer
PHT 6284 Scientific and Professional Foundations (68 contact hrs) of Physical Therapy 1	Module Director, Instructor, Lab Instructor

Spring 2009:

PHT 7265 Clinical Problem Solving 2 (28 contact hrs)	Instructor
PHT 7531 Professional Issues 2 (45 contact hrs)	Course Director and Instructor
PHT 6285 Scientific and Professional Foundations of Physical Therapy 2 (15 contact hrs)	Module Co-Director and Instructor
PHT 7959 Peer to Peer Mentoring (45 contact hrs)	Course Director and Instructor (new course)

Fall 2008:

PHT 7264 Clinical Problem Solving 1 (112 contact hrs)	Course Director
PHT 8660 Clinical Problem Solving 3 (112 contact hrs)	Course Director
BMS 6821 Medical Ethics and Humanities (15 contact hrs)	Liaison and small group preceptor
BMS 5005 Professions of Medicine (15 contact hrs)	Lecturer, Panel Organizer, Liaison
PHT 7421 Professional Issues 1 (45 contact hrs)	Course Director and Instructor

Spring 2008:

PHT 7265 Clinical Problem Solving 2 (55 contact hrs)	Assistant Course Director
PHT 7531 Professional Issues 2 (45 contact hrs)	Course Director and Instructor
PHT 6285 Scientific and Professional Foundations of Physical Therapy 2	Module Co-Director and Instructor

Fall 2007:

PHT 7264 Clinical Problem Solving 1 (112 contact hrs)	Course Director
PHT 8660 Clinical Problem Solving 3 (112 contact hrs)	Course Director
PHT 8550 Professional Issues 3 (30 hrs)	Course Director

PHT 6285 Scientific and Professional Foundations
of Physical Therapy 2
BMS 6821 Medical Ethics and Humanities
BMS 5005 Professions of Medicine

Module Co-Director and Instructor
Liaison
Guest Lecturer

Spring 2007:

PHT 7531 Professional Issues 2 (45 contact hrs) Course Director and Instructor

Fall 2006:

PHT 6284 Physical Therapy Sciences 1 (75 contact hrs) Course Director
PHT 7264 Clinical Problem Solving 1 (112 contact hrs) Course Director
PHT 8660 Clinical Problem Solving 3 (112 contact hrs) Course Director

Teaching Responsibilities in the Entry-Level MS, PT Program (1999-2006)

PHT 6284 - Physical Therapy Science 1 (2005 - Lab Assistant)
PHT 6285 Physical Therapy Science 2 2006 – Course Director (75 contact hrs)
PHT 5275C - Physical Therapy Science 1 (1999 - 2004 – Course Director & Instructor, 75 contact hrs)
PHT 5276C - Physical Therapy Science 2 2000 (75 contact hrs)
PHT 5022 – Professional Expression (2000 - Course Director) (45 contact hrs)
PHT 5273 - Patient Client Management 3 (2000) (45 contact hrs)
PHT 6522 - Professional Development (45 contact hrs)
2001 – 2004 – Course Director and Instructor
PHT 5023 - The Physical Therapist and Other Health Care Providers (45 – 60 contact hrs)
2002 - 2004 – Course Director and Instructor
2001 - Ethics module
2000 - Course Director and Instructor
BMS 6821 Medical Ethics and Humanities
Case Preceptor 1999-2006

Educational Consultation Activities:

Langston University- Curriculum consultant to prepare for accreditation visit - July, 2009
Massachusetts Board of Higher Education – Evaluation Committee – Master's proposal – April, 2012

Educational Innovations:

- RIPS Model - Realm-Individual Process-Situation Model (RIPS Model) for ethical decision-making to teach students and clinicians how to analyze and respond to ethical situations. (See Educational Materials folder for a description of the RIPS model.)
- APTA On-line Professionalism Modules
- Multi-stakeholder Web-based System for Evaluation Professionalism – system for peer and self evaluation of student professionalism presented in national venue (PT 2009 – see Educational Materials Folder).
- Longitudinal Integrative Assessment (LIA) – (See Educational Materials Folder)
- Mock Jurisprudence exam assignment in PHT 7531 - cited by students and graduates as helpful in understanding the law and passing this portion of the licensure requirement.
- Leadership in development of Doctoring 1 – Year-long interprofessional course that focuses on communication, professionalism and clinical skills to DPT and MD students utilizing interprofessional small groups, cases-based learning, and standardized patients To my knowledge this is the first course of this nature utilizing DPT and MD small group preceptors and students. This year we have also contributed DPT 3 small group preceptors teamed with the fourth year medical student preceptors.

Honors and Awards:

Outstanding Teaching Award – Morsani College of Medicine (2011, 2012)
USF School of Physical Therapy & Rehabilitation Sciences – Student Choice Award (2010)
President's Service Award (Florida Physical Therapy Association) (2009)
Lucy Blair Service Award (APTA) (2008)

CURRICULUM VITAE

Kyle Watterson
4020 Barwood Court
Tampa, FL 33624
630-379-4676
School of Physical Therapy and Rehabilitation Sciences
University of South Florida

Education:

University of South Florida
Tampa, FL
Fall 2011 to current
Epidemiology
Master's in Public Health, 2015

University of South Florida
Tampa, FL
Spring 2011 to Summer 2012
Epidemiology
Graduate Certificate, 2012

Washington University School of Medicine
St. Louis, MO
Fall 2006 to Fall 2009
Physical Therapy
Post-Professional Doctorate, 2009

Washington University School of Medicine
St. Louis, MO
Fall 1999 to Fall 2001
Physical Therapy
Master's in Physical Therapy, 2001

Grace College
Winona Lake, IN
Fall 1993 to Spring 1997
Physical Science & Sport Studies
Bachelor of Science, 1997

Licensure Information/Registration Number:

Physical Therapist in Florida (PT 25516) and previously in Wisconsin
(9798-024) and IL (070-013270)
Athletic Trainer previously in WI (422-039) and currently in IL (096-001821)

Certifications:

APTA Certified Clinical Instructor (CCI)

ABPTS Sports Certified Specialist (SCS)
ABPTS Orthopedic Certified Specialist (OCS)
Approved Clinical Instructor for athletic training (ACI)
Athletic Training Certified (ATC)
Certified Strength and Conditioning Specialist (CSCS)

Employment and Positions Held:

Assistant Clinical Professor
Assistant Professor
Non-tenure
University of South Florida
Tampa, FL
6/2010 to current

Adjunct Professor
Non-tenure
Prairie State College
Chicago Heights, IL
6/2008 to 6/2010

Peer Reviewed Publications: N/A

Published Abstracts of Peer Reviewed Presentations:

Lazinski M, Watterson K. Rehabilitation of a multi-structure knee injury in a paralympian with below the knee amputation – a case report (abstract). APTA National Convention; accepted for 2013; Salt Lake City, UT.

Miller T, Watterson K. Physical therapy for a patient 7 years status post stroke without previous rehabilitation (abstract). APTA National Convention; accepted for 2013; Salt Lake City, UT.

Watterson K. Incidence of lateral hip pain in outpatient physical therapy clinics in the south suburbs of Chicago (abstract). APTA National Convention; 2012; Tampa, FL.

Noe S, Watterson K. Component versus compensatory training in a patient with a traumatic brachial plexus injury (abstract). APTA National Convention; 2012; Tampa, FL.

Peer Reviewed Scientific and Professional Presentations (those not previously cited above under abstracts):

Watterson K. Musculoskeletal imaging case report of an intracalcaneal benign, Bone cyst (research abstract presentation). FPTA Annual State Conference; 2012; Daytona, FL.

Watterson K, Collins L, Nofsinger CC. Persistent anterior knee pain in a patient

with an incomplete tibial plateau fracture: a musculoskeletal imaging case report (research abstract presentation). FPTA Annual State Conference; 2012; Daytona, FL.

Abstracts (that were not presented):

Watterson K. Is rehabilitation of a large rotator cuff tear appropriate? (abstract). APTA National Convention; 2013; Salt Lake City, UT.

Watterson K. Multi-factorial gait deviations in an otherwise healthy elderly woman (abstract). APTA National Convention; 2012; Tampa, FL.

Watterson J, Watterson K. Effectiveness in manual therapy and scapular retraining in improving shoulder range of motion in a patient with adhesive capsulitis (abstract). APTA National Convention; 2012; Tampa, FL.

Non-Peer Reviewed Publications:

N/A

Non-Peer Reviewed Presentations:

Watterson K. Incomplete tibial plateau fracture: m & m case report. FPTA West Central District; fall meeting, 2012; Tampa, FL.

Diers D, Shuit D, Watterson K. Paces to laces. Illinois Physical Therapy Association East District; winter meeting, 2008; Chicago Heights, IL.

Funded/In Review Grant Activity: include:

N/A

Other Scholarly Products:

N/A

Research Activity:

N/A

Continuing Education Workshops Organized:

N/A

Membership in Scientific/Professional Organizations:

American Physical Therapy Association (APTA) member since: 1999
Intermittent section memberships in private practice, sports, and orthopedics
Missouri Chapter (1999-2001)
Wisconsin Chapter (2002)
Illinois Chapter (2003-2010)
Florida Chapter (2010 – present)
West Central District Assembly Representative 2010, 2011, 2012

National Athletic Training Association (NATA) member: 2001-2010

National Sports & Conditioning Association member since: 1999FPTA

Consultative and Advisory Positions Held:

N/A

Community Service:

Bridge Clinic Preceptor
USF student-run medical clinic for the underserved
3 – 6 hours/semester since 2010

PT program candidate interviewer
Governor's State University
2 day process, 2009

Liaison for clinical program development
Midwestern University
Fall semester, 2009

Services to the University/College/School on
Committees/Councils/Commissions:

University of South Florida
School of Physical Therapy and Rehabilitation Sciences
Admissions Committee Member
2010 – 2013

Honors and Awards:

Lorraine F. Lake Award for scholarly activity
Washington University School of Medicine
Graduation, 2010

Continuing Education Attended:

Cardiovascular Disease: Implications for the Physical and Occupational
Therapist (13 hours) – Cardiopulmonary CPS 2012
APTA National Convention (21 hours) – Musculoskeletal CPS 2012
APTA CI Education and Credentialing Program (15 hours) - Clinical instruction
(CE 2, 3) 2010
Therapeutic Management of Patients with Cardiovascular Disease (16 hours) –
Cardiopulmonary CPS 2010
APTA Combined Section Meeting (21 hours) – Musculoskeletal CPS 2010

Current Teaching Responsibilities in the Entry-level Physical Therapy/Physical Therapist
Assistant Program, if any (in sequence by term; specify term):

PHT 7265, Cardiopulmonary and Integumentary Clinical Problem Solving; Course
Director; Fall, 2012

PHT 6285, Scientific, Professional Foundations of Physical Therapy 2; Unit Director; Fall, 2011 & 2012

PHT 7777, Musculoskeletal Clinical Problem Solving; Unit Director and Lab Assistant; Spring, 2012

PHT 6205 Doctoring for Physical Therapists; Small Group Leader; Fall 2011 and Spring 2012

PHT 7265, Clinical Problem Solving 2; Lab Assistant CardioPulmonary Unit; Fall, 2010 & 2011 & Spring 2012.

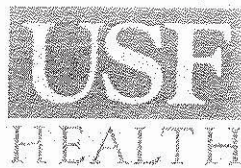
PHT 7265, Clinical Problem Solving 2; Co-Course Director; Spring, 2011

PHT 6285, Scientific, Professional Foundations of Physical Therapy 2; Lab Assistant Modalities Unit; Fall, 2011

PHT 6284, Scientific, Professional Foundations of Physical Therapy 1; Lab Assistant; Fall, 2010

Proposed Teaching Responsibilities in the Proposed Entry-level Physical Therapy/Physical Therapist Assistant Program (in sequence by term; specify term):

PHT 7265, Cardiopulmonary and Integumentary Clinical Problem Solving; Co-Course Director; Spring 2013



ORIGINAL

April 23, 2013

Dr. Donna Petersen
Dean, College of Public Health
University of South Florida

Dear Dean Petersen:

Donna

As you know the School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration: Chronic Disease, Veteran's Health Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency.
- The program will leverage coursework from both USF Health academic units including the College of Public Health as well as those on the Tampa campus.
- The program focuses on educating degreed and licensed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science.

By the very nature of rehabilitation sciences and the construction of this curriculum, doctoral students from the Rehabilitation Sciences program may wish to register and matriculate in graduate courses housed in your College.

While the number of students who may wish to register for a course in your College during any given semester may be relatively small, I am requesting a brief memo of concurrence for inclusion in the submission of our package to the Graduate School. If you agree, please sign at the bottom of this letter, scan and return to me.

Should you have any questions or concerns regarding the proposal, please let me know at your earliest convenience.

It would be very much appreciated if you could forward your response by Friday, April 26th. I thank you for your time and attention to this important issue.

Sincerely,

Sandy

William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

Donna Petersen

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Date: 2013-04-23 09:40:29 -0400

Donna Petersen, PhD, Dean, College of Public Health



May 2, 2013

William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

Dear Dean Quillen,

Please note this as response to your request below for a letter of concurrence. As you are aware, the College of Nursing similarly has the two strategic initiatives – RESTORE Lives: Research and Education to Restore the Lives of military, service members and their families and our Center for Living with Chronic Illness. Thus, our college offers outstanding opportunities for students interested in those foci. I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

Sincerely,

A handwritten signature in dark ink, appearing to read "Dianne Morrison-Beedy". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Dianne Morrison-Beedy, PhD, RN, WHNP-BC, FNAP, FAANP, FAAN
Dean, College of Nursing, University of South Florida
Senior Associate Vice President USF Health

April 23, 2013

Dr. Dianne Morrison-Beedy
Dean, College of Nursing
University of South Florida

Dear Dean Morrison-Beedy:

As you know, the School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314). The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration; Chronic Disease, Veteran's Health/Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency

OFFICE OF THE DEAN • COLLEGE OF NURSING
University of South Florida • 12901 Bruce B. Downs Blvd., MDC22 • Tampa, FL 33612-4766
813-974-2191 • 813-974-5148 • health.usf.edu/nursing

- The program will leverage coursework from both USF Health academic units including potentially the College of Nursing as well as those on the Tampa campus
- The program focuses on educating degreed and licensed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science

By the very nature of rehabilitation sciences and the construction of this curriculum, doctoral students from the Rehabilitation Sciences program may wish to register and matriculate in graduate courses housed in your College.

While the number of students who may wish to register for a course in your College during any given semester may be relatively small, I am requesting a brief memo of concurrence for inclusion in the submission of our package to the Graduate School.

Sincerely,

William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences



April 23, 2013

Dr. Kevin Sneed
Dean, College of Pharmacy
USF Health
University of South Florida

Dear Dean Sneed: *Kevin*

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration; Chronic Disease, Veteran's Health/Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency
- The program will leverage coursework from both USF Health academic units including potentially the College of Pharmacy as well as those on the Tampa campus
- The program focuses on educating degreed and licensed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science

By the very nature of rehabilitation sciences and the construction of this curriculum, doctoral students from the Rehabilitation Sciences program may wish to register and matriculate in graduate courses housed in your College.

While the number of students who may wish to register for a course in your College during any given semester may be relatively small, I am requesting a brief memo of concurrence for inclusion in the submission of our package to the Graduate School. If you agree, please sign at the bottom of this letter, scan and return to me.

Should you have any questions or concerns regarding the proposal, please let me know at your earliest convenience.

It would be very much appreciated if you could forward your response by Friday, April 26th. I thank you for your time and attention to this important issue.

Sincerely,

Andy
William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

Kevin B. Sneed
Kevin Sneed, PharmD, Dean, College of Pharmacy



April 24, 2013

Dr. William S. Quillen
Associate Dean, Morsani College of Medicine
Director, School of Physical Therapy
and Rehabilitation Sciences
3515 E. Fletcher Avenue
Tampa, FL 33612

Dear Dr. Quillen,

We are pleased to support your proposal for a Ph.D. in Rehabilitation Sciences. We look forward to its implementation and are happy to provide space in appropriate graduate classes for your students.

Best Regards,

A handwritten signature in black ink, appearing to read "Eric M. Eisenberg", is positioned above the typed name.

Eric M. Eisenberg, Ph.D.
Professor and Dean
College of Arts and Sciences

seh

cc: Robert Potter, Associate Dean



April 23, 2013

Dr. Julianne Serovich
Dean, College of Behavioral and Community Sciences
University of South Florida

Dear Dean Serovich:

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration; Chronic Disease, Veteran's Health/Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency
- The program will leverage coursework from both USF Health academic units as well as those on the Tampa campus including potentially the College of Behavioral and Community Sciences
- The program focuses on educating degreed and licensed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science

By the very nature of rehabilitation sciences and the construction of this curriculum, doctoral students from the Rehabilitation Sciences program may wish to register and matriculate in graduate courses housed in your College.

While the number of students who may wish to register for a course in your College during any given semester may be relatively small I am requesting a brief memo of concurrence be provided back to me for inclusion in the submission of our package to the Graduate School. If you agree, please sign at the bottom of this letter, scan and return to me.

Should you have any questions or concerns regarding the proposal, please let me know at your earliest convenience.

It would be very much appreciated if you could forward your response by Friday, April 26th. I thank you for your time and attention to this important issue.

Sincerely,

A handwritten signature in cursive script, appearing to read "Andy".

William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

A handwritten signature in cursive script, appearing to read "Julianne Serovich".

Julianne Serovich, PhD, Dean, College of Behavioral and Community Sciences



April 23, 2013

Dr. Harold Keller
Interim Dean, College of Education
University of South Florida

Dear Dean Keller:

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration; Chronic Disease, Veteran's Health/Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency
- The program will leverage coursework from both USF Health academic units as well as those on the Tampa campus including potentially the College of Education, SPEES
- The program focuses on educating degreed and licensed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science

By the very nature of rehabilitation sciences and the construction of this curriculum, doctoral students from the Rehabilitation Sciences program may wish to register and matriculate in graduate courses housed in your College.

While the number of students who may wish to register for a course in your College during any given semester may be relatively small, I am requesting a brief memo of concurrence for inclusion in the submission of our package to the Graduate School. If you agree, please sign at the bottom of this letter, scan and return to me.

Should you have any questions or concerns regarding the proposal, please let me know at your earliest convenience.

It would be very much appreciated if you could forward your response by Friday, April 26th. I thank you for your time and attention to this important issue.

Sincerely,

William S. Quillen, PT, DPT, PhD, FACSMT
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

Cc: Stephen Sanders, PhD

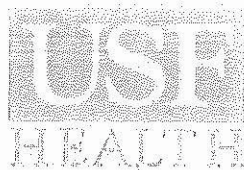
I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

A handwritten signature in dark ink, appearing to read "Harold Keller", written over a horizontal line.

Harold Keller, PhD, Interim Dean, College of Education

4/25/13

SCHOOL OF PHYSICAL THERAPY & REHABILITATION SCIENCES • COLLEGE OF MEDICINE
University of South Florida • 12901 Bruce B. Downs Blvd, MDC 77 • Tampa, FL 33612-4799
(813) 974-8870 • Fax (813) 974-8915 • <http://health.usf.edu/medicine/dlpt>



April 25, 2013

Dr. Phil Marty
Interim Chair, Department of Pathology & Cell Biology
Morsani College of Medicine
University of South Florida

Dear Dr. Marty: *Phil*

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration: Chronic Disease, Veteran's Health/Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency
- The program will leverage coursework from both USF Health academic units including potentially your department as well as those on the Tampa campus
- The program focuses on educating degreed and licensed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science

By the very nature of rehabilitation sciences and the construction of this curriculum, doctoral students from the Rehabilitation Sciences program may wish to register and matriculate in graduate courses housed in your department.

While the number of students who may wish to register for a course in your department during any given semester may be relatively small, I am requesting a brief memo of concurrence for inclusion in the submission of our package to the Graduate School. If you agree, please sign at the bottom of this letter, scan and return to me.

Should you have any questions or concerns regarding the proposal, please let me know at your earliest convenience.

It would be very much appreciated if you could forward your response by Monday, April 29th. I thank you for your time and attention to this important issue.

Sincerely,

Sandy
William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

Phil Marty
Phil Marty, PhD, Interim Chair Department of Pathology & Cell Biology, MCOM



April 25, 2013

Dr. Robert Deschenes
Chair, Department of Molecular Medicine
Morsani College of Medicine
University of South Florida

Dear Dr. Deschenes:

Bob

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration: Chronic Disease, Veteran's Health/Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency
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It would be very much appreciated if you could forward your response by Monday, April 29th. I thank you for your time and attention to this important issue.

Sincerely,

Sandy

William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

Robert Deschenes

Robert Deschenes, PhD, Chair, Department of Molecular Medicine, MCOM

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April 25, 2013

Dr. Sarah Yuan
Chair, Department of Molecular Pharmacology & Physiology
Morsani College of Medicine
University of South Florida

Dear Dr. Yuan:

Sarah

The School of Physical Therapy & Rehabilitation Sciences, Morsani College of Medicine University of South Florida is seeking approval of a new Ph.D. program in Rehabilitation Sciences (CIP Code: 51.2314).

The proposed Ph.D. in Rehabilitation Sciences, only the second of its kind in the SUS, is distinctive from other programs in that:

- The program's coursework by virtue of its interprofessional construction will provide doctoral students with the opportunity to pursue one of three potential areas of concentration: Chronic Disease, Veteran's Health/Reintegration, or Neuromusculoskeletal Disability around a core of rehabilitation sciences courses and statistical/research methodology competency
- The program will leverage coursework from both USF Health academic units including potentially your department as well as those on the Tampa campus
- The program focuses on educating degreed and licensed rehabilitation professionals as future faculty scholars, researchers and leaders in the emerging arena of rehabilitation science

By the very nature of rehabilitation sciences and the construction of this curriculum, doctoral students from the Rehabilitation Sciences program may wish to register and matriculate in graduate courses housed in your department.

While the number of students who may wish to register for a course in your department during any given semester may be relatively small, I am requesting a brief memo of concurrence for inclusion in the submission of our package to the Graduate School. If you agree, please sign at the bottom of this letter, scan and return to me.

Should you have any questions or concerns regarding the proposal, please let me know at your earliest convenience.

It would be very much appreciated if you could forward your response by Monday, April 29th. I thank you for your time and attention to this important issue.

Sincerely,

Sandy

William S. Quillen, PT, DPT, PhD, FACSMT
Associate Dean, USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences

I concur that students from the Rehabilitation Sciences PhD program may register for courses offered by my academic unit.

Sarah Yuan

Sarah Yuan, MD, PhD, Chair Department of Molecular Pharmacology & Physiology, MCOM

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College of Health Sciences
Rehabilitation Sciences Doctoral Program
Wethington Building, Room 210
Lexington, KY 40536-0200
859 218-0860
fax 859 323-6003

July 8, 2013

William S. Quillen, PT, DPT, PhD, FACSM
Associate Dean
USF Health Morsani College of Medicine
Professor & Director
School of Physical Therapy & Rehabilitation Sciences
University of South Florida
Tampa, FL 33620, USA

Dear Dr. Quillen

Attached is my review of the proposal for a PhD in Rehabilitation Sciences submitted by the School of Physical Therapy & Rehabilitation Sciences at the University of South Florida.

The documentation that was supplied was thorough and complete. The proposal is strong and you should be commended on developing a comprehensive plan with a well-constructed interprofessional curriculum. The focus on chronic disease, veteran's health /reintegration and neuromusculoskeletal disability provides several areas of concentration that are clinically relevant and have high potential for external funding. In combination with a talented faculty and tremendous resources, this proposal is sound and will provide a much needed route for rehabilitation specialists pursuing a PhD. The growth of the USF, and in particular the health sciences in such a short time is a credit to the administration of SPTRS and USF. It was a pleasure to review this application and I support it fully.

Sincerely Yours,

A handwritten signature in black ink that reads "Carl G. Mattacola". The signature is written in a cursive style.

Carl G. Mattacola, PhD, ATC, FNATA
Professor and Director-
Rehabilitation Sciences Doctoral Program

Proposed Doctoral Program in Rehabilitation Sciences at the University of South Florida

External Evaluation Report

July 1, 2013

The purpose of the proposed PhD in Rehabilitation Sciences at the University of South Florida (USF) School of Physical Therapy and Rehabilitation Sciences (SPTRS) is to prepare faculty researchers who will contribute to the development of rehabilitation practice, research and education in an emerging 21st century health care environment.

There is a critical need for expanded numbers of terminally degreed, research-oriented faculty to support the research and teaching needs of physical therapists, occupational therapists, speech therapists, audiologists, or rehabilitation counselors in educational programs in Florida as well as nationally. The PhD in Rehabilitation Sciences proposed seeks to address this need. Chronic faculty vacancies, which are projected to increase among an aging faculty workforce and expansion of academic degree requirements, are making clinical doctoral education programs in the rehabilitation sciences inadequately prepared to educate future physical and occupational therapists. The shortage of qualified faculty in these education programs exists throughout the United States including in Florida. As many current faculty members reach retirement age, projections of increasing faculty vacancies in coming years are compounded by the fact that current clinician faculty, who do not have terminal degrees, soon will become unqualified by program and institutional accreditation standards as education programs in the rehabilitation sciences shift from entry-level masters to doctoral degree programs.

As the general population ages, projected increases in societal demand for physical therapy, occupational therapy and rehabilitation health professionals will result in increased student enrollment in these education programs, and will increase further the urgency for a greater number of appropriately qualified faculty. Physical rehabilitation health occupations are projected to grow by approximately 25% over the next decade in response to this demand. Presently, there are not enough PhD programs in the rehabilitation sciences to produce the number of faculty scholars needed to keep up with the growing demand and expanding professions. The shortage of qualified faculty will jeopardize the quality of education, program accreditation and the core knowledge-base necessary to provide state-of-the-art rehabilitation healthcare to the public.

Health profession education programs in the rehabilitation sciences across the country are having difficulty finding qualified terminally-degreed applicants to fill open faculty positions. Even with a strong preference to hire faculty with a PhD or similar terminal doctorate, programs often have no choice but to hire individuals with clinical competencies, e.g. board certification through the American Board of Physical Therapy Specialties, but who do not have terminal

doctorates, due to the scarcity of such credentials in national and regional faculty applicant pools. These chronic shortages of terminally degreed faculty could be ameliorated by the existence of PhD programs in rehabilitation sciences that are specifically designed to produce research-oriented faculty scholars to teach allied health professionals.

The proposed PhD program will be administered by The University of South Florida SPTRS and is uniquely qualified to offer an interdisciplinary PhD in Rehabilitation Sciences based on the interprofessional composition and extensive interprofessional experience of its faculty, curriculum, and research portfolio. The interprofessional focus of the proposed program on rehabilitation sciences will distinguish the program from more traditional PhD programs within the state and nation. Graduates of the proposed PhD program in Rehabilitation Sciences are expected to demonstrate advanced knowledge and productivity related to research, education, and service delivery through interprofessional collaborations designed to generate and extend knowledge that is focused and evidence-based.

The report is organized as follows:

1. Need and Demand for the program
 - a. USF need
 - b. Society need the Program
 - c. Rehabilitation Sciences
2. Quality of the Program
 - a. Program Structure
 - b. Curriculum
 - c. Recommendations
3. Qualifications of the Faculty
 - a. Existing Faculty Expertise
 - b. Additional Faculty Needed
 - c. Recommendation's
4. Resources and Costs
 - a. Exiting Resources
 - b. Costs
 - c. Projected Revenue
5. Summary

1. Need and Demand for the Program

- a. USF Need: The Rehabilitation Sciences PhD program is aligned with the Florida Board of Governors Strategic Plan in the areas of teaching and learning, scholarship, research and innovation, and community and business engagement. As previously stated this academic program will specifically contribute to training the future health care workforce, and increasing the number of degrees awarded in STEM area of strategic emphasis. The program's purpose to develop competent scholars and scientists, who contribute to Scholarship, Research & Innovation, and Community & Business Engagement, will be realized by the interaction of the program with the USF community in areas of continuing education, research collaborations, community engagement and entrepreneurial activities. It has already demonstrated several relationships with local cooperation's. Specifically The PhD degree program in Rehabilitation Sciences is aligned with the USF System Strategic Plan Goals to: (1) create well-educated and highly skilled global citizens through our continuing commitment to student success; (2) develop high-impact research and innovation to change lives, improve health, and foster sustainable development and positive society change; (3) build a highly effective, major economic engine, creating new partnerships to build a strong and sustainable future for Florida in the global economy and (4) provide sound financial management to establish a strong and sustainable economic base in support of USF's continued academic advancement.

The Rehabilitation Sciences PhD program would align USF with other AAU institutions that have existing or recently established PhD programs in Rehabilitation Sciences, including both USF institutional and aspirational peers. This program's goal will be to create a new generation of faculty with a broad perspective of enablement that can be linked to the economic development and betterment of the health and welfare of the citizens of Florida and society. Ultimately this program would enable the USF System and Tampa campus in meeting the strategic plans to achieve AAU status.

- b. Society Need for the Program: Numerous faculty vacancies currently exist (>300) in core rehabilitation disciplines within Florida colleges and universities and nationally, e.g. physical therapy, audiology, occupational therapy, athletic training, rehabilitation counseling, prosthetics and orthotics and chiropractic as examples. At the time of this writing, there are 267 open faculty positions in physical therapist education programs, 40% of physical therapy core academic faculties are over the age of 55 and a there is a need for additional faculty in

occupational therapy. Based on an evaluation of current faculty in all occupational therapy educational programs nationally, more than 650 current occupational therapy faculty do not hold a terminal degree and therefore are not qualified to teach in entry-level clinical doctoral programs based on accreditation standards. In the near future, current occupational therapy faculty will be seeking terminal degrees in order to maintain their qualifications and meet accreditation standards. As many current faculty members reach retirement age, projections of increasing faculty vacancies in coming years are compounded by the fact that current clinician faculty who do not have terminal degrees soon will become unqualified by program and institutional accreditation standards as professional education programs in the rehabilitation sciences shift from entry-level masters to doctoral degree programs.

While these data are specific to physical therapy and occupational therapy, similar faculty vacancies are found in other rehabilitation disciplines and pose a barrier to meet emerging societal needs. Human longevity has accelerated the need for scholars, researchers, administrators and policy analysts in rehabilitation sciences. The USF proposal seeks qualified graduate students primarily drawn from the rehabilitation disciplines. In addition, this proposal has demonstrated a societal need that can be addressed at USF SPTRS without a redundancy of resources.

- c. Rehabilitation Sciences: As the general population ages, projected increases in societal demand for physical therapy, occupational therapy and rehabilitation health professionals will result in increased student enrollment in professional education programs, resulting in the urgency for a greater number of appropriately qualified faculty. Physical rehabilitation health occupations are projected to grow by some 25% over the next decade. Currently there are not enough PhD programs in the rehabilitation sciences to produce the number of faculty scholars needed to keep up with the growing demand and expanding professions. The shortage of qualified faculty will jeopardize the quality of education, program accreditation and the core knowledge-base necessary to provide state-of-the-art rehabilitation healthcare to the public.

2. Quality of the Program

a. Program Structure

The PhD in Rehabilitation Sciences program provides a combination of core and concentration specific courses, courses in research methodology, and mentored

research leading to an independent research project.

No specialized accreditation is available for PhD programs. In the absence of an accreditation organization, the program will undergo a 'Program Review' within seven years of its initiation in the fall of 2014. Additionally, the USF Graduate Council and Graduate School will also conduct a three-year program review required for all new graduate programs. These reviews will afford the necessary checks and balances and provide the program a method of evaluation to determine areas of improvements and potential modifications.

USF has a history of delivering successful education programs at the professional level. The Physical Therapy program has been continuously accredited by the Commission on Accreditation in Physical Therapist Education (CAPTE) since the graduation of its inaugural class in 2001. Likewise, it has a strong history of success related to pass rates for graduates of the program (99%) and employment following graduation (100%). As someone who is familiar with PhD curriculums in the Rehabilitation Sciences, the curriculum that is outlined in this proposal exceeds or is equal to in quality comparison to similar programs in the United States.

b. Curriculum

The Curriculum is well organized and will provide a structured pathway to guide students to be leaders and scholars in the rehabilitation sciences. In addition to the core courses, students must select a faculty member who will provide an accurate overview of the student's program of study and serve to assist the student's research and scholarly agenda. By pairing a student with a dedicated mentor early in the dissertation process, the opportunity for sustained growth in the research arena is fostered. The content and the total credit hours are comparable to other national PhD programs in Rehabilitation Sciences in the . Likewise, the time to completion is consistent with other PhD in Rehabilitation Sciences programs and maximizes the use of summer courses for those students, who are motivated to complete the requirements in a timely fashion.

Rehabilitation Sciences Core – 15 credits

Introduction to Rehabilitation Science (3)

Advanced Rehabilitation Science (3)

Research Proseminar in Rehabilitation Science (2)

Rehabilitation Ethics (3)

Mentored Research Apprenticeship 1 and 2 (2)

Colloquia 1 and 2 (2)
 Statistics/Research Methodology Core – 15 credits
 Concentration (One of Three) – 15 credits
 1. Chronic Disease
 2. Veterans Health/Reintegration
 3. Neuromusculoskeletal Disability
 Dissertation – 12 credits
 Electives – 9 credits
 Summary: 66 credits

		Year 1		Year 2		Year 3		Year 4 ^{***}	
		Course	Cr.	Course	Cr.	Course	Cr.	Course	Cr.
Semester	Fall	Intro to Rehabilitation Sciences	3	Research Proseminar in Rehabilitation Sciences	2	Dissertation	3	Dissertation Elective(s)	---
		Colloquium 1	1	Mentored Research	1				
		Concentration	3	Apprenticeship					
		Statistics/Research	3	Statistics/Research	3				
		Methodology		Methodology					
	Spring	Advanced Rehabilitation Sciences	3	Mentored Research	1	Dissertation	6	Dissertation	---
		Colloquium 2	1	Apprenticeship					
		Concentration	3	Concentration	3				
		Statistics/Research	3	Statistics/Research	3				
		Methodology		Methodology					
	Summer	Rehabilitation Ethics	3	Elective(s)	3	Dissertation	3	Dissertation	---
Concentration		3	Comprehensive Examination						
Statistics/Research		3	**Accepted to Candidacy						
		Methodology							
			29		25		12		

c. Recommendations:

Although the program proposal presented is very strong, I would offer the following recommendations:

1. Consider mechanisms to offer courses on a rotating sequence. This will be important since many cohorts of doctoral students will be relatively small thereby making it difficult to offer all core courses on an annual basis. Also, consider flexibility within the curriculum to reflect students who have met the transfer credit criteria, e.g. courses in research methodology or other USF offerings.
2. Provide and encourage flexibility within the concentration courses.. Specifically, there will be many opportunities where students will be able to focus on their concentration area with independent and/ or mentored research. One advantage of encouraging research apprenticeships with available faculty member is the product of completion can lead and contribute to a formal dissertation project. I am assuming that students will have different types of dissertations. For example, a traditional dissertation of 5 chapters to include: Introduction, Review of Literature, Methods, Results and Discussion versus a multi-part dissertation i.e., an “European Model”.

The chapters of a multi-part dissertation are often organized according to the following: Introduction of topical area and overall hypotheses, Study 1, Study 2, Study 3 (Dissertation Study) and Conclusion. The advantage to a multi-part dissertation is that PhD students are more productive and able to focus more sustained energy on their research, which allows for improved refinement of technique/methodology and trouble-shooting prior to the onset of their dissertation. Finally, it provides students the ability to work on smaller manageable studies while building a focused research agenda.

3. A cadre of classes currently being taught and used for the PhD program will need to be successful without a cohort of PhD students to fill the class. This will be important to ascertain as there may be 4-5 students who enter per year therefore, it would hard to tailor such courses to be filled only by PhD in Rehabilitation Sciences students. By offering the courses to those outside of the PhD program, the course will be enriched by a diverse group of students and ensure maximum capacity. .

Qualifications of the Faculty

- a. Existing Faculty Expertise: Faculty that have been identified to participate in this PhD program are very qualified. Six of the 10 faculty are in tenure track positions and are consistent scholars of the profession and several with extramural grant funding. The current faculty will provide mentorship and serve as excellent preceptors for incoming students.

Faculty Code	Faculty Name or 'New Hire' Highest Degree Held Academic Discipline or Speciality	Rank	Contract Status	Initial Date for Participation in Program	Max. Contract Year 1	FTE Year 1	% Effort for Prog. Year 1	FY Year 1	Max. Contract Year 5	FTE Year 5	% Effort for Prog. Year 5	FY Year 5
A	William Quillen Physical Therapy	Professor	Tenured	Fall 2013	12	1.00	0.10	0.10	12	1.00	0.10	0.10
A	Laura Swisher Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.10	0.10
A	John Mayer Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.25	0.25	12	1.00	0.25	0.25
A	Jason Highsmith Physical Therapy	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.15	0.15
A	Geok Kim Physical Therapy	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Aimee Klein Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Gina Musolino Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Heather Hartzell Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Rose Pignataro Physical Therapy	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Nicki Tajiri Physical Therapy/NS	Asst Professor	MYA	Fall 2014	12	1.00	0.00	0.00	12	1.00	0.10	0.10
B	New Hire	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.15	0.15
B	New Hire	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.10	0.10
C	New Hire	Asst Professor	Tenure Track	Fall 2015	12	0.00	0.00	0.00	12	1.00	0.15	0.15
C	New Hire	Asst Professor	Tenure Track	Spring 2016	12	0.00	0.00	0.00	12	1.00	0.10	0.10
Total Person-Years (FY)								0.90				1.45

- b. Additional Faculty Needed: It has been identified that four (4) new hires will be transitioned into the PhD program, two in 2014, one in 2015 and one in 2016. Additional doctorally trained faculty with identifiable research foci that are consistent the mission of the SPTRS and PhD in Rehabilitation Sciences program will provide mentorship for incoming students as the program ramps up from 3 to 20 students.
- c. Recommendations: It is recommended that distribution of effort (DOE) of the new faculty be increased from 10% - 15% DOE for each faculty member to 20%. Since extramural funding is an expectation, this increase will allow the faculty member to develop and submit funding proposals. In addition the increased effort will provide expanded exposure and presence to doctoral students as they develop their respective research programs.

3. Resources and Costs

- a. Exiting Resources: USF has identified that they will relocate current and future faculty effort. In addition, administrative staff resources will be allocated based on current resources. The funds will be apportioned from the School's existing E&G for future faculty hires.

Costs: Cost for the program is outlined below from Appendix A. There will be 10 current faculty participating in the program for a total of 0.90 DOE equivalent to a full time position (FTE) in year 1 and 1.45 effort (FTE) in year 5, which includes contributions from the new faculty hires. In addition \$70,000.00 will be allocated for a total of two (2) research assistantship positions. The faculty resources allocated and projected are adequate to provide stability and meet the needs of the PhD in Rehabilitation Sciences program at USF.

Instruction & Research Costs (non-cumulative)	Year 1							Year 5					
	Funding Sources						Subtotal E&G, Auxiliary, and C&G	Funding Sources					Subtotal E&G, Auxiliary, and C&G
	Reallocated Base* (E&G)	Enrollment Growth (E&G)	Other New Recurring (E&G)	New Non-Recurring (E&G)	Contracts & Grants (C&G)	Auxiliary Funds		Continuing Base** (E&G)	New Enrollment Growth (E&G)	Other*** (E&G)	Contracts & Grants (C&G)	Auxiliary Funds	
Faculty Salaries and Benefits	125,000	0	0	0	0	0	\$125,000	230,000	0	0	0	0	\$230,000
A & P Salaries and Benefits	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
USPS Salaries and Benefits	40,000	0	0	0	0	0	\$40,000	40,000	0	0	0	0	\$40,000
Other Personal Services	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Assistantships & Fellowships	70,000	0	0	0	0	0	\$70,000	70,000	0	0	70,000	0	\$140,000
Library	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Expenses	5,000	0	0	0	0	0	\$5,000	5,000	0	0	0	0	\$5,000
Operating Capital Outlay	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Special Categories	0	0	0	0	0	0	\$0	0	0	0	0	0	\$0
Total Costs	\$240,000	\$0	\$0	\$0	\$0	\$0	\$240,000	\$345,000	\$0	\$0	\$70,000	\$0	\$365,000

*Identify reallocation sources in Table 3.

**Includes recurring E&G funded costs ("reallocated base," "enrollment growth," and "other new recurring") from Years 1-4 that continue into Year 5.

***Identify if non-recurring.

Faculty and Staff Summary

Total Positions	Year 1	Year 5
Faculty (person-years)	0.9	1.45
A & P (FTE)	0	0
USPS (FTE)	0.9	1

Calculated Cost per Student FTE

	Year 1	Year 5
Total E&G Funding	\$240,000	\$315,000
Annual Student FTE	5.025	15.55
E&G Cost per FTE	\$46,207	\$19,836

Faculty Code	Faculty Name or 'New Hire' Highest Degree Held Academic Discipline or Speciality	Rank	Contract Status	Initial Date for Participation in Program	Mos. Contract Year 1	FTE Year 1	% Effort for Prog. Year 1	PY Year 1	Mos. Contract Year 5	FTE Year 5	% Effort for Prog. Year 5	PY Year 5
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A	John Mayer Physical Therapy	Professor	Tenured	Fall 2014	12	1.00	0.25	0.25	12	1.00	0.25	0.25
A	Jason Highsmith Physical Therapy	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.10	0.10	12	1.00	0.15	0.15
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A	Aimee Klein Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
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A	Heather Hartzell Physical Therapy	Professor	MYA	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Rose Pignataro Physical Therapy	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Naoki Tani Physical Therapy/MS	Asst Professor	MYA	Fall 2014	12	1.00	0.00	0.00	12	1.00	0.10	0.10
B	New Hire	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.15	0.15
B	New Hire	Asst Professor	Tenure Track	Fall 2014	12	1.00	0.05	0.05	12	1.00	0.10	0.10
C	New Hire	Asst Professor	Tenure Track	Fall 2015	12	0.00	0.00	0.00	12	1.00	0.15	0.15
C	New Hire	Asst Professor	Tenure Track	Spring 2016	12	0.00	0.00	0.00	12	1.00	0.10	0.10
Total Person-Years (PY)								0.90				1.45

b. Projected Revenue: Projected revenue will be received by tuition dollars and grant funding. The faculty in the program average approximately 170 million in extramural funding. Extramural funding and submission activity has increased exponentially with the appointment of new faculty. Grants will be sought from several agencies including Department of Defense (DOD), Veteran's Administration (VA), Federal Emergency Management Administration (FEMA) and the National Institutes of Health (NIH), as well as through growing wounded warrior and aging population agencies. The SPTRS has demonstrated a solid track record with industry sponsorship. Approximately 20 students will be enrolled by year 5. This is a reasonable number of full-time students considering faculty have additional responsibilities outside of this doctoral program.

c. Recommendations:

1. It is recommended that at least one faculty member be provided a primary appointment of 80 to 100% DOE in the doctoral program. This would provide continuity for administrative efforts and identify a specific faculty member whose primary responsibility will be oversight and development of future directions.
2. Use of a clinical fellowship to supplement the costs for students. Clinical doctoral fellowships are a source of funding opportunities for graduate

students and provide a balanced portfolio of funding when external grants and contracts are in transition or unavailable. The Clinical Doctoral Fellowship (CDF) is one mechanism for USF to partner with the clinical community which would result in providing opportunities for growth and shared expertise.

The CDF would work like this: A clinical partner agrees to donate support for a CDF for a minimum period of three years at a rate of approximately \$30,000 per year to be paid in equal quarterly increments. In exchange for the funding, a clinical doctoral fellow will be placed in the partner's facility in a clinical capacity for 20 hours per week for three years (may include 18-month clinical fellowship experience). The purpose of this fellowship is to attract the best students and broaden the opportunities available for future clinical leaders and academic scholars while providing the clinical settings with highly motivated, cost efficient clinicians. There are advantages to considering the clinical fellowship. One advantage for the clinical setting is the availability of an efficient clinical provider with no employee benefit costs. The doctoral fellow can provide consistent (minimum three-year) clinical support and the clinical provider has the advantage to work with bright, energetic, clinically, research oriented individuals.

There are advantages to the Morsani College of Medicine in which SPTRs resides. The ability to attract students to the PhD in Rehabilitation Sciences Program, develop closer ties to the clinical community and prepare the next generation of clinical and academic leaders. In addition the CDF provides for stronger collaborative relationships between USF and clinical partners.

Finally there are a number of advantages to the graduate student: a tuition-free education, and additional clinical experience in an area of interest. Additionally, the student is provided a clinical mentor and other clinical resources, which could include a potential subject population for their research. The greatest advantage of a clinical doctoral fellowship with USF is that it meets the strategic goal of partnering with the community.

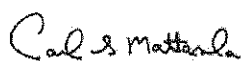
Summary:

The proposed PhD in Rehabilitation Sciences program will be administered by The University of South Florida School of Physical Therapy & Rehabilitation Sciences and is uniquely qualified to offer an interprofessional PhD program based on the interdisciplinary composition and extensive interprofessional experience of its faculty, curriculum, and research portfolio. The interdisciplinary focus of the proposed program on rehabilitation sciences will distinguish the program from more traditional PhD programs within the state and nationally. Graduates of the proposed PhD program in Rehabilitation Sciences are expected to demonstrate advanced knowledge and productivity related to research, education, and service delivery through interprofessional collaborations designed to generate and extend knowledge that is focused and evidence-based.

The PhD degree program in Rehabilitation Sciences is aligned with the USF System Strategic Plan Goals to: (1) create well-educated and highly skilled global citizens through our continuing commitment to student success; (2) develop high-impact research and innovation to change lives, improve health, and foster sustainable development and positive society change; (3) build a highly effective, major economic engine, creating new partnerships to build a strong and sustainable future for Florida in the global economy and (4) provide sound financial management to establish a strong and sustainable economic base in support of USF's continued academic advancement.

Dr. William S. Quillen and faculty in the SPTRS should be commended on developing a comprehensive plan with a well-constructed interprofessional curriculum. The research foci are cutting edge and unique when compared to many other rehabilitation sciences doctoral programs. Specifically, the focus on chronic disease, veteran's health /reintegration and neuromusculoskeletal disability provides several areas of concentration that are clinically relevant and have high potential for external funding. In combination with a talented faculty and tremendous resources, this proposal is sound and will provide a much needed route for rehabilitation specialists pursuing a PhD. The growth of the USF, and in particular the health sciences in such a short time is a credit to the administration of SPTRS and USF. It was a pleasure to review this application and I support it fully.

Sincerely,



Carl G. Mattacola, PhD, ATC, FNATA
Professor, Department of Rehabilitation Sciences
University of Kentucky