



STATE
UNIVERSITY
SYSTEM
of FLORIDA
Board of Governors

The New Florida Initiative

University project winners for the second and final phase* of the 2010 New Florida Initiative's legislative grant awards:

Scholars Boost Grants

Clustering Grants

Press Conference Materials
Florida Press Center, Tallahassee, November 15, 2010

*The first phase – \$2 million of the \$12 million total in 2010 *New Florida Initiative* funding – was announced Oct. 1. Info about the first phase, the State University Research Commercialization Assistance Grants for R&D projects, can be found at www.flbog.edu/new_florida

STATEMENT OF PURPOSE

Florida's economic history has been dependent on agriculture, tourism, and growth. While those sectors have formed the Florida we know, it is clear that a more diverse, sustainable economy is needed. Consider the powerful impact of 11 highly productive state universities working together to transform Florida and its economy. This is the *New Florida Initiative*. Launched in January 2010 in partnership with the Florida Legislature, this multi-year endeavor will ensure that Florida's knowledge and innovation economy is sustained by high-technology, high-wage jobs in the fields of science, technology, engineering and mathematics (or "STEM"). A true and holistic transformation also will involve the areas of medicine and health care, finance, insurance, professional services, education and the arts, which are the foundation of a modern society. The *New Florida Initiative* is the State University System's collaborative effort — alongside business and government — to deliver the economy, talent and innovations that Florida must have to be globally competitive. The *New Florida Initiative* is intended to provide a clear demonstration to the public and the Florida Legislature that the System is prepared to transform Florida's economy while being accountable as to how these dollars will be expended and with what outcomes.

TIMELINE

January 2010 - The *New Florida Initiative* is launched with the Board of Governors and the Legislature.

2010 Session - The Legislature funds State University Research Commercialization Assistance Grants at \$2 million, and also appropriates \$10 million to the State University System to design a competitive application process demonstrating unprecedented collaboration that address key state workforce, economic, and policy issues with a tracked "ROI," or return on investment.

Oct. 1 - State University Research Commercialization Assistance Grants (\$2 million) awarded, according to statutory guidance and timeline.

Nov. 15 - Scholars Boost Grants and Clustering Grants (\$10 million) awarded, according to a competitive application process emphasizing collaboration, with a National Institutes of Health review and scoring model.

EXECUTIVE SUMMARY: SECOND AND FINAL PHASE OF THE *2010* NEW FLORIDA INITIATIVE

The *2010 New Florida Initiative* has three components, totaling \$12 million:

1. *State University Research Commercialization Assistance Grants* - announced Oct. 1, totaling \$2 million. See <http://www.flbog.edu/pressroom/news.php?id=358>
2. *Scholars Boost Grants* - announced herein – \$3.5 million.
3. *Clustering Grants* - announced herein – \$6.5 million.

In future years and depending on legislative appropriation, the types, categories and dollar awards will change correspondingly.

From the nearly 93 proposals submitted*, 31 have been selected for funding 45 monetary awards, in order to distribute the \$10 million:

- **Scholars Boost Grants** are intended to tangibly recruit and retain world-class faculty in program areas critical to Florida. There are 16 project awards, totaling \$3.5 million.
- **Clustering Grants** provide new and exciting collaboration among faculty in teaching, research and service in order to solve certain state policy and industry challenges. There are 15 project awards, totaling \$6.5 million. Only one single-entity collaborative proposal was submitted; universities are partnering with other institutions and/or with external “cluster” entities, such as the Max Planck Institute and the Kennedy Space Center.

All 11 state universities are represented in the awards, which are detailed on the following pages. If a university cannot fulfill the award specifications on time, the funds return to the System for another selection from the submitted projects.

Criteria were articulated at the beginning of the Initiative and call for project proposals. Any clarifications, answers to questions, and assistance emails were shared with all universities simultaneously. The preference was stated at the outset for inter-institutional collaboration as opposed to new collaborations within a single institution.

*In the end, there were many more fundable proposals than dollars available (\$32.4 million, for \$10 million in funds) – a testament to the hard work, creativity, and eagerness of hundreds of participating State University System faculty to be on the front lines of building a more sustainable Florida economic portfolio that provides more opportunities for our students as tomorrow’s workers and entrepreneurs.

Cluster: <i>Community</i>	\$300,000	This community-based initiative will focus on a variety of	\$300,000			
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Scholars Boost/Cluster Projects, Board-approved	FAMU	FAU	FGCU	FIU	FSU	NCF	UCF	UF	UNF	USF	UWF
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<i>Health Workers Research and Training Institute</i>		healthcare issues including <u>preventative medicine</u> , especially in challenged rural and urban environments.									
Scholars Boost: Associated with recruiting a Professor of <i>Mechanical Engineering</i>	\$150,000	This award will be used to recruit a candidate at a leading engineering institute with more than 16 years of advanced researched in <u>alternative energy</u> and K-12 engagement.									
Scholars Boost: Associated with recruiting a Professor & Chair, <i>Ocean and Mechanical Engineering</i> , College of Engineering & Computer Sciences		\$250,000	<u>Water</u> in all of its dimensions is an FAU priority. This award will assist in continuing FAU's climb to national prominence in <u>ocean energy</u> and the marine sciences.								
Cluster: <i>Neuroscience Cluster (with Max Planck, FAU MacArthur Campus)</i>		\$300,000	This award, an example of clustering with an <u>external entity</u> , will allow FAU to expedite its productive relationship with the <u>Max Planck Institute</u> .								
Cluster: State University System <i>Climate Change Task Force</i>		\$175,000			\$100,000			\$125,000	This is the first <u>formal collaborative activity</u> amid state universities in studying and modeling climate change.		
Cluster: Southwest Florida <i>Coastal Watersheds – A Collaborative Integration of Research, Education, and Policy Outreach</i>			\$200,000			\$300,000	Watersheds are a life-giving or life-taking element of Florida's purewater system and one of the most critical components of <u>healthy environments</u> .				

Scholars Boost: Associated with			\$200,000	FGCU has dramatically increased its research portfolio in <u>renewable energy</u> and currently has one of the largest <u>solar panel fields</u> operating in the world.							
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recruiting the holder of the Backe Eminent Scholar in <i>Renewable Energy</i>											
Scholars Boost: Associated with a Director for the Center for <i>Nano Medicine</i> , College of Engineering and Computing					\$300,000						
Scholars Boost: Associated with a <i>biomedical engineering</i> professor to lead a Department and a <i>Center for Adaptive Neural Systems</i> , FIU College of Medicine					\$300,000						
Scholars Boost: Associated with a professor to lead a <i>Marine Fisheries and Ecosystems Dynamics and Policy Center</i>					\$300,000						
Scholars Boost: Associated with recruiting a Professor of <i>Biomedical Science</i> , FSU College of Medicine						\$250,000					

Cluster: A Unified Approach for Enhancing <i>Aerospace Research</i> ,					\$150,000		\$225,000				
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FIU's number one priority is to enhance its College of Medicine and associated offerings in the sciences and engineering so that the College of Medicine will become the Miami-Dade County and beyond change agent that was intended with its creation.

Marine fisheries and ecosystems has become prominent since the BP Deepwater Horizon oil spill, and Florida's multi-billion dollar fisheries industry has yet to understand the long-term effects of the greatest ecological disaster to date in the U.S.

Although FSU is now graduating students, it continues to build out its College of Medicine and seeks to increase the potential for the College to perform revenue-generating research.

This endeavor couples FSU's and the System's Florida Center of Excellence in Advanced Aero-propulsion with UCF's

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Education, and Workforce Training											longstanding expertise in space-related research. The initiative will assist in sustaining and rebuilding the economic vibrancy of Florida's Space Coast.
Cluster: Tackling Florida's Growing Geophysical Threats through Collaborative Coupled Modeling					\$200,000					\$100,000	
Cluster: Sunshine Grid – Florida's Research and Education Cyber-infrastructure					\$150,000			\$200,000		\$100,000	
Cluster: Highly individualized, High-performance Prostheses with Multifunctional Materials					\$150,000				\$125,000		
Cluster: Community Research Collaborative Program in Pediatrics, Internal Medicine, Family Medicine					\$300,000			\$300,000			This represents a major research and health services push into underserved regions in Florida and in the subspecialties associated with primary care medicine, including a focus on trauma.
Cluster: Florida Biomedical Engineering Partnership							\$325,000	\$300,000		\$200,000	

Scholars Boost: Associated with retaining a Professor of Nanoscience and							\$225,000				
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<i>Chemistry</i>											
Cluster: <i>Microgravity Research and Education (with Kennedy Space Center & Space Florida)</i>	Unlike most clustering awards, this will reach out to <u>entities other than universities</u> , in order to leverage the resources of both public and private entities.						\$375,000				
Cluster: <i>State University System Professional Science Master's Statewide Initiative</i>	The PSM currently has 10 <u>advanced degree programs</u> operating that <u>share coursework</u> and are available via <u>distance learning</u> . The award will increase infrastructure and allow for statewide advisory boards to continually meet.						\$125,000				
Cluster: <i>Advanced Smart Sensor Technologies (Materials Engineering and Physics)</i>	<u>Sensors</u> , such as smoke alarms, understand basic changes to their environments; smart sensors are <u>the next generation of environmental monitors</u> .						\$300,000			\$250,000	
Cluster: <i>Optimizing Detection, Prevention, and Treatment of Vector Borne Diseases (Translational Medicine and Pharmaceutical Innovation)</i>	Florida's climate is susceptible to a <u>variety of diseases</u> , and is positioned to lead <u>global efforts</u> to develop urgently needed drugs and therapeutic approaches.						\$275,000			\$200,000	
Scholars Boost: Associated with the Chief Scientist in <i>Chemistry at the National High Magnetic Field Laboratory</i>	The " <u>Mag Lab</u> " is a <u>joint venture</u> with FSU, the Los Alamos Laboratories, and UF. This award will ensure that a nationally recognized scientist in chemistry will be in place at the Lab.						\$250,000				

Scholars Boost: Associated with a Professor of Diagnostic Medicine and Pathobiology in	This award will ensure that a special <u>large-animal laboratory</u> will be constructed for one of UF's eminent Doctors of Veterinary Medicine.						\$200,000				
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<i>Veterinary Medicine</i>											
Scholars Boost: Associated with a Professor of <i>Health and Science</i>								\$200,000			
Scholars Boost: Associated with a professor to lead the <i>Bruce Taylor Engineering Research Institute</i>	Bruce Taylor, an engineer who has been instrumental in creating UNF's programmatic offerings in engineering, provides the name for this research institute expected to ramp up the research portfolio for UNF in various fields of engineering.								\$250,000		
Scholars Boost: Associated with a Professor of Health Outcomes and <i>Health Services Research</i>										\$175,000	
Scholars Boost: Associated with a Professor of <i>Engineering</i>										\$175,000	
Scholars Boost: Associated with a Dean of the College of <i>Marine Science</i>	USF's Marine Science program is <u>nationally recognized</u> , and this award will ensure that an individual of prominence will be recruited to assume leadership for the College. USF is the administrative host for the State University System's <u>Florida Institute of Oceanography</u> , which has been vital providing academic collaboration for the <u>BP Deepwater Horizon oil spill</u> .								\$150,000		
Scholars Boost: Associated with recruiting a Professor of <i>Geology and Geophysics</i>										\$125,000	

Cluster: Inter-disciplinary Principles and Inter-professional Strategies for Successful <i>Aging in Northwest Florida (UWF Campus-</i>	In a <u>unique version</u> of clustering, UWF, working with appropriate public and private entities, will focus its <u>entire institution</u> on the challenges associated with <u>aging</u> , especially in the Florida Panhandle.										\$350,000
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wide)											
\$10 million:	\$450,000	\$725,000	\$400,000	\$900,000	\$1,300,000	\$300,000	\$1,275,000	\$2,450,000	\$375,000	\$1,475,000	\$350,000

31 Projects with 45 monetary awards to 11 universities	2	3	2	3	7	1	5	10	2	9	1
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