

State University Research Commercialization Assistance Grant Program (2010)
Florida Technology, Research, and Scholarship Board

University	Proposal	Phase	Funding Request	Summary	Award
FAMU	"Patented" Technologies (Healthcare)	2	\$99,809	This project seeks to leverage the State's resources by proposing to prepare comprehensive business plans for four (4) recently "patented" FAMU technologies along with a unique Commercialization Training Program and Forum for Faculty Innovators. The project also includes an SBIR-type program to assist with expediting the commercialization efforts of FAMU's most promising technologies.	\$65,000
FAU	Rose Pearl, LLC; The World's First Queen Conch Cultured Pearl Production and Marketing Business (Retail)	3	\$250,000	Using a patent-pending technique, FAU and Rose Pearl, LLC, will culture queen conch pearls and become the market leader for this new gem. FAU and Rose Pearl will capitalize on industry demand for variety and yield an affordable alternative to natural pearls of the queen conch, a species threatened by overfishing and loss of habitat, through aquaculture. This sustainable, Florida-based industry will supply export and retail segments and create skilled jobs.	\$65,000

FGCU	Evaluation, Marketing, and Commercialization of Intellectual Property (Infrastructure)	1	\$50,000	Florida Gulf Coast University (FGCU) proposes to advance its intellectual property portfolio through assessing the commercial viability of existing technologies, marketing promising technologies, and identifying prospective commercialization partners. In addition, best practices for sustaining intellectual property advancement at FGCU will be implemented and sustained.	\$40,000
FIU	Bio Innovations (Healthcare)	2	\$45,000	This project will develop business plans for the broad based applications of 1) a unique culture collection of cyanobacteria and microalgae and 2) novel magnetic nanodelivery of therapeutic agents at FIU.	\$30,000
FIU	Forensic Technologies (Forensics/Homeland Security)	2	\$30,000	The project is to guide formation of a company based on research from International Forensic Research Institute. The proposed company will offer forensic related proficiency and competency testing services.	\$30,000
FSU	Post Doctoral Entrepreneurial Program (Infrastructure/Entrepreneur Creation)	2	\$100,000	This project will improve FSU's screening process and produce 3 Phase 3 eligible Business Plans. We will grow an internal pool of entrepreneurs by training Ph.D. students, Post Docs and faculty to start companies resulting in new science, engineering and health-related start-ups from FSU technology. The ROI will be measured financially from commercial success and socially from firms with high wage staff producing products to help society.	\$100,000

FSU	Pacifier Activated Lullaby (PAL) (Healthcare)	3	\$250,000	PAL stimulates non-nutritive sucking (NNS), an organized breathe-suck-swallow activity that is critical to an infant's survival and physiologic development. NNS is seriously compromised with premature birth. PAL detects a baby's attempt to suck and delivers a timed interval of music/ voice for each suck that meets clinical criteria. Sucking is measured by a transducer in the pacifier body. PAL response is determined by control logic in a microprocessor.	\$200,000
UCF	p-STAT3 Inhibitor Anticancer Drugs (Healthcare)	3	\$250,000	Cancer affects more than 10 million people and causes over 7 million deaths each year. Traditional therapies have significant side effects and very limited efficacy. The p-STAT3 inhibitors appear to be more efficacious and better tolerated in patients whose tumors contain abnormally high levels of p-STAT3.	\$200,000
UCF	Bioanalytical Platform for Cancer Diagnosis (Healthcare)	2	\$100,000	Nano Discovery Inc., a medical research company, is developing a new nanotechnology-enabled product for biomedical research and in vitro diagnosis of cancer. This grant provides for assistance in the successful commercialization of Nano Discovery's new technology and product.	\$75,000

UCF	Continuous real-time blood coagulability monitoring technology (Healthcare)	2	\$94,000	The novel optical technology developed at UCF's College of Optics & Photonics constitutes a paradigm shift in blood assays. It is based on continuous monitoring of whole blood and minimizes or completely eliminates the collection and treatment of samples. This technology uses optical fibers and solid-state optics technology, leading to a robust and inexpensive design that can be easily integrated with existing interventional devices as well as bed-side or laboratory equipment.	\$65,000
UCF	Transceiver Module for Next-Generation FTTH (Communications)	1	\$50,000	Passive optical networks (PON), a \$4B industry by 2014, provides the ultimate last-mile solution for broadband access. UCF and Triple Play Communications Corporation will build a prototype transceiver for next generation PON using COTS components and test its performance. Assuming TPC can claim 1% of the market share, this effort would create at least 100 high-paying jobs to Central Florida.	\$30,000

UF	NanoPhotonica (Energy/Electronic Display)	3	\$250,000	This project commercializes a breakthrough, patented nanomaterial and designs that significantly improve optoelectronic devices in an enormous market allowing the project to quickly ramp to large scale revenue while solving major industry challenges in the display market (drives considerably lower cost, less power and more vivid images) and the solar market (longer life, lower cost and less weight).	\$175,000
UF	Novel Solid Oxide Fuel Cell Development; RedOx Fuel Cells, Inc. (Energy)	3	\$241,500	This goal of this project is to produce a market ready portable energy generating unit using a patented Solid Oxide Fuel Cell technology that generates electricity and useful heat through an electrochemical process (similar to batteries) rather than combustion, resulting in fuel cells inherently cleaner and highly efficient, and producing sustainable, affordable energy.	\$170,000
UF	Mtechnology for Improved Energy Efficiency; Emerald Endeavors, Inc. (Energy)	2	\$100,000	This project is intended to develop a prototype system, integrating an advanced gas sensor with robust controls technology in order to gather relevant information about the products ability to improve energy efficiency and reduce pollution in power-production equipment.	\$80,000
UF	ID-Cap; eTech LLC (Healthcare)	3	\$250,000	ID-Cap is an ingestible wireless sensor attached to pills or capsules to enable real time assessment of adherence to a prescribed medication regimen.	\$175,000

UNF	Omni Sense - Proposed High Tech Company (Energy)	1	\$50,000	The Intelligent Light Sensor will require no modification to an existing lighting system and will operate in an ad hoc wireless network. Omni Sense will serve as a full service provider to provide light monitoring, GIS based reporting, and maintenance-repair services.	\$40,000
USF	MDI Partners, LLC; ClearSpec (Healthcare)	3	\$250,000	Approximately 19 million women in the US receive an annual gynecological exam. MDI is developing the ClearSpec speculum sheath which will allow for more accurate and comfortable examinations. This project seeks to finalize the design of the sheath, gear up for manufacturing, submit an application for FDA approval, and ultimately get commercial product on the market.	\$185,000
USF	Rehab Ideas, Inc.; Mobili-T Rover (Healthcare)	3	\$160,000	Technology makes it possible for individuals with disabilities be independent and integrated with society. 1 in 4 Americans have some form of disability. USF has developed several innovative patented technologies that have significant commercialization opportunities that will provide royalties to the University, create high wage jobs and address the needs of Floridians with disabilities.	\$150,000

<p>USF</p>	<p>Natura Therapeutics, Inc.; Nutraslim: A New Product for Weight Loss (Healthcare)</p>	<p>3</p>	<p>\$100,000</p>	<p>Natura plans to develop a NutraStem® - based product, NutraStem® Slim, that supports healthy weight loss with the extra benefit of cellular health. Natura will investigate weight loss effects on fat cell metabolism of a proprietary weight loss ingredient, Slim&Fit™, in combination with NutraStem® with BioVin®. This project will include product registration with the FDA and manufacturing of commercial product.</p>	<p>\$65,000</p>
<p>UWF</p>	<p>TellusPoint (Communications/SmartPhone Applications)</p>	<p>1</p>	<p>\$50,000</p>	<p>TellusPoint™ is a location-based services company providing mobile and web-based solutions for organizations seeking to reach mobile consumers. The Company's first product, NextExitHistory™, allows heritage organizations and professional content providers to upload historical video, audio, and text information into a web services platform accessible to mobile consumers via the web, smartphones, and GPS devices. The NextExitHistory™ application is currently available for the iPhone and for the Android platform.</p>	<p>\$30,000</p>

UWF	A Device and Improved Method for the Detection of Protozoan Pathogens in Portable and Environmental Waters (Environmental)	1	\$49,791	This project will complete validation of a patent-pending device and method for cost effectiveness and rapid processing of samples to detect human pathogenic protozoa. The project will provide the data needed to validate the method and apply for US EPA acceptance as a standard method for assessing drinking and recreational waters for public health risk. The method improves existing technology so that these tests can be affordably conducted on a routine basis.	\$30,000
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TOTAL \$2,000,000