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ORED Communicator - March 2015

Office of Research and Economic Development, Florida International University

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Collaborating with your Tech Transfer Office

By Elizabeth Garami

**March 2015
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Excel file)

On February 11, the Technology Management and Commercialization (TMC) unit within ORED hosted a presentation on *“How to Collaborate with your Technology Transfer Office to Disclose your Idea to Maximize its Future Patent Protection.”*

Jeremy Protas and David Read, intellectual property attorneys and partners at Marshall, Gerstein & Borun, LLP, shared information on the different types of intellectual property, including patents, copyrights, trade secrets and trademarks. The presentation focused on patents as a means to protect technology. The speakers provided faculty and students with their perspectives and tips on preparing, filing and prosecuting patent applications. The presentation emphasized the role of the inventor as the technical expert in defining and describing the invention as well as preparing technical arguments to present to the patent office(s) during patent prosecution.

The session was well attended, with representatives from chemistry, biology, engineering, hospitality, medicine, and nursing. A Q&A session followed the presentation. Most questions from the audience centered on the type and scope of documentation that is needed for a patent application and the submission timing of the technology disclosure.



Participants also shared their experiences and suggestions. Their suggestions included: 1) contact TMC for intellectual property protection guidance prior to non-FIU presentations that feature technology that



may have commercial potential; 2) execute confidentiality agreements before discussing technology with a potential third party partner; 3) be aware that online publication of conference abstracts, theses, and scientific manuscripts that precede paper publications may affect patent filing; 4) thoroughly complete FIU's intellectual property disclosure form and submit manuscripts, slide presentations, and other documentation to ensure that the invention is described in sufficient detail, and 5) realize that patent filing and prosecution is a collaborative effort among the inventors, TMC and the outside patent attorneys.

If your FIU laboratory developed a technology, or you are considering publishing or presenting this information for audiences outside of FIU, please submit an [Intellectual Property Disclosure Form](#) or contact the TMC unit at 305-348-2494.

Upcoming Events

March 2015

- **March 2, 3:30 to 4:45 pm**, AHC4 #402, “Implications of Latino Aging for Medical Care and Social Service Delivery Systems” presented by [William Vega](#). Co-sponsored by the Faculty Mentor Program and the Office of Research and Economic Development. Specific details are available at <http://mentor.fiu.edu>.
- **March 4, 8:30 to 11 am**, MARC Pavilion, “The Jessica Effect: Applying Cultural Knowledge and Competency to Mentoring Approaches for Minority Students” presented by [Renetta G. Tull](#). Please RSVP at https://fiu.qualtrics.com/jfe/form/SV_eURs2kkCXM2221L.
- **March 6, 11 am to 12:00 pm**, PG5, Room 155. [Dr. Chia-Ching Chang](#), from National Chiao Tung University in Taiwan, will host a lecture. Co-sponsored by the Biomolecular Sciences Institute and the Chemistry Departmental Series. Hosted by Dr. Fenfei Leng.
- **March 6, 3 to 4 pm**, EC #2300, “Numerical Modeling of the Effect of Hydrologic Conditions and Sediment Transport of Geomorphic Patterns in Wetlands,” presented by [Mernoosh Mahmoudi](#), part of ARC’s Lecture Series.
- **March 17-18, 10 am to 4 pm**, GC Ballrooms, [FIU Undergraduate Research Conference](#) open to all undergraduate students, features academic posters, oral presentations, workshops and roundtables.
- **March 20, 11 am to 12 pm**, EC 1105, “Engineering Expo” presented by [Juan Carlos Balda](#) from the University of Arkansas.
- **March 26-27, 8:00 am to 6:00 pm**, MARC Pavilion, “17th Annual Biomedical and Comparative Immunology (BCI) Symposium”. Abstract Submission Deadline: February 13th - for required abstract components and guidelines, click [here](#) to submit. Online (Early Bird) Pre-Registration Deadline: March 13th - register [now](#) on Eventbrite.
- **March 27, 11 am to 12 pm**, EC 1105, “ECE Seminar Series” presented by [Scott Smith](#) from North Dakota State University.
- **March 30, 3:30 to 4:45 pm**, AHC4 #402, “Informatics Workshop” with [Yuk-Ching Tse-Dinh](#) and [Giri Narasimhan](#). Co-sponsored by the Faculty Mentor Program and the Office of Research and Economic Development. Specific details will be forthcoming for this workshop and available at <http://mentor.fiu.edu>.

April 2015

- **April 2, 12 to 1 pm**, AHC5 # 300, “Impact of Estrogenic Chemicals on the Growth of Microvascular Lesions and its Implications in Vascular Disease,” presented by [Quentin Felty](#).
- **April 10, 11 am to 12 pm**, EC 1105, “ECE Seminar Series” presented by [Spyros Tragoudas](#), from Southern Illinois University.
- **April 10, 2 to 3 pm**, ECS #241, “The Human Side of Computing” presented by [Vicki Hanson](#), part of the [School of Computing and Information Sciences Distinguished Lecture Series](#).
- **April 16, 10 to 11 am**, WC #130, “The Biology of Aging: Targets, Biomarkers and Interventions,” presented by [Christiaan Leeuwenburgh](#)
- **April 17, 2 to 3 pm**, PG5 #134, “Mathematical Engineering: Origins and Impact” presented by [Thomas Kailath](#), part of the [School of Computing and Information Sciences Distinguished Lecture Series](#).

Awards Received—January 2015

FIU researchers were awarded \$6,278,673 in January 2015. Below is a listing of awards received.

PI: Omar I Abdul Aziz

CIVIL AND ENVIRON ENGINEERING

Award Action Type: Initial

AWARDING SPONSOR: National Science Foundation

TITLE: CAREER: Robust Modeling and Predictions of Stream Water Quality

AWARD: \$ 500,000

PI: Arvind Agarwal MECHANICAL AND MAT ENGINEERING Award Action Type: Continuation AWARDING SPONSOR: Clarkson Aerospace Corp TITLE: AFRL Collaboration Program - Materials and Manufacturing Research	AWARD: \$ 30,000
PI: Benjamin C Amick III HEALTH POLICY AND MGMT Award Action Type: Continuation AWARDING SPONSOR: Univ of Texas Health Science Ctr Houston TITLE: Services Agreement - New Year New You	AWARD: \$ 47,942
PI: Mahadev G Bhat EARTH AND ENVIRONMENT Award Action Type: Continuation AWARDING SPONSOR: University of Miami TITLE: Pulley Ridge Fisheries Bio-economic Modeling Project	AWARD: \$ 68,552
PI: Heather Denise Bracken-Grissom BIOLOGY Award Action Type: Initial AWARDING SPONSOR: Nova Southeastern University TITLE: Bioluminescence and Vision in the Deep-sea Benthos II	AWARD: \$ 25,706
PI: Heather Denise Bracken-Grissom BIOLOGY Award Action Type: Pre-Award AWARDING SPONSOR: Nova Southeastern University TITLE: DEEPEND: Deep-Pelagic Nekton Dynamics of the Gulf of Mexico	AWARD: \$ 35,818
PI: Henry O Briceno SOUTHEAST ENV RESEARCH CTR Award Action Type: Increase AWARDING SPONSOR: National Science Foundation TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research	AWARD: \$ 65,216
PI: Henry O Briceno SOUTHEAST ENV RESEARCH CTR Award Action Type: Initial AWARDING SPONSOR: CH2M Hill TITLE: Design and implementation of dye-tracer injection test, Cudjoe Key	AWARD: \$ 125,602
PI: Fabian Cevallos CIVIL AND ENVIRON ENGINEERING Award Action Type: Initial AWARDING SPONSOR: Avail Technologies Inc TITLE: Technical Assistance to Avail with Uploading VOTRAN Stop	AWARD: \$ 5,000
PI: Jonathan S Comer CENTER FOR CHILDREN AND FAM Award Action Type: Continuation AWARDING SPONSOR: National Institute of Mental Health TITLE: Evaluating the Feasibility of Internet-Delivered Parent-Child	AWARD: \$ 160,210

PI: Evelyn E Gaiser

SOUTHEAST ENV RESEARCH CTR

Award Action Type: Increase

AWARDING SPONSOR: National Science Foundation

TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research **AWARD:** \$ 102,733

PI: Evelyn E Gaiser

SOUTHEAST ENV RESEARCH CTR

Award Action Type: Increase

AWARDING SPONSOR: National Science Foundation

TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research **AWARD:** \$ 16,000

PI: Cheng-Tin Gan

CIVIL AND ENVIRON ENGINEERING

Award Action Type: Initial

AWARDING SPONSOR: Florida Department of Transportation

TITLE: ITS research, computer, and miscellaneous support **AWARD:** \$ 150,000

PI: Stavros Georgakopoulos

ELEC AND COMPUTER ENG

Award Action Type: Initial

AWARDING SPONSOR: U.S. Army

TITLE: Antennas and Electromagnetics Instrumentation for Research and Education **AWARD:** \$ 498,085

PI: Lei Guo

PHYSICS

Award Action Type: Increase

AWARDING SPONSOR: Jefferson Lab

TITLE: Hadron Spectroscopy at Jefferson Lab: Hadron Spectroscopy at Jeffers **AWARD:** \$ 5,970

PI: Lei Guo

PHYSICS

Award Action Type: Increase

AWARDING SPONSOR: Jefferson Lab

TITLE: Subproject: Hadron Spectroscopy at Jefferson Lab: Hadron Spectroscopy **AWARD:** \$ 5,000

PI: Jin He

PHYSICS

Award Action Type: Initial

AWARDING SPONSOR: National Science Foundation

TITLE: CAREER: Investigate 3D extracellular potential distribution **AWARD:** \$ 500,234

PI: Michael R Heithaus

SOUTHEAST ENV RESEARCH CTR

Award Action Type: Increase

AWARDING SPONSOR: National Science Foundation

TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research **AWARD:** \$ 68,141

PI: Rudolf Jaffe

SOUTHEAST ENV RESEARCH CTR

Award Action Type: Increase

AWARDING SPONSOR: National Science Foundation

TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research **AWARD:** \$ 72,892

PI: John Stephen Kominoski
SOUTHEAST ENV RESEARCH CTR
Award Action Type: Increase
AWARDING SPONSOR: National Science Foundation
TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research **AWARD: \$** 70,356

PI: Leonel E Lagos
ARC APPLIED RESEARCH CENTER
Award Action Type: Supplemental
AWARDING SPONSOR: Jacobs Engineering Group
TITLE: Services pertaining development of program for Windamir Development **AWARD: \$** 8,267

PI: Valentina Bruk Lee
PSYCHOLOGY
Award Action Type: Initial
AWARDING SPONSOR: University of South Florida
TITLE: Validating the Safety Silence Scale **AWARD: \$** 4,320

PI: Yuan Liu
CHEMISTRY
Award Action Type: Increase
AWARDING SPONSOR: National Institutes of Health
TITLE: Trinucleotide Repeat Instability via DNA Damage and Repair **AWARD: \$** 32,005

PI: Debra Lundy
SCH OF HOSP AND TOURISM MGMT
Award Action Type: Initial
AWARDING SPONSOR: Miami-Dade County Cultural Affairs
TITLE: 2015 FEST South Beach Wine and Food Festival **AWARD: \$** 77,481

PI: Debra Lundy
SCH OF HOSP AND TOURISM MGMT
Award Action Type: Initial
AWARDING SPONSOR: Miami Beach Visitor & Convention Authori
TITLE: 2015 South Beach Wine & Food Festival **AWARD: \$** 50,000

PI: Amelia Maguire
COB DEANS OFFICE
Award Action Type: Initial
AWARDING SPONSOR: University of West Florida
TITLE: FSBDC at FIU **AWARD: \$** 115,751

PI: Amir Mirmiran
ENGINEERING DEANS OFFICE
Award Action Type: Initial
AWARDING SPONSOR: Infrastructure Innovation LLC
TITLE: NCHRP12-101: Seismic Design of Bridge Columns with Improved **AWARD: \$** 5,375

PI: Joongho Moon
CHEMISTRY
Award Action Type: Initial
AWARDING SPONSOR: Korea Evaluation Inst of Industrial Tech
TITLE: Development of 35% lightweight CCB module for automotives **AWARD: \$** 45,788

PI: Maria Olenick NURSING FEP BBC Award Action Type: Initial AWARDING SPONSOR: U.S. Department of Veterans Affairs TITLE: VA Nursing Academic Partnership Program (VANAP)	AWARD: \$ 280,645
PI: Richard Olson INTERNATIONAL HURRICANE CENTER Award Action Type: Initial AWARDING SPONSOR: Florida Division of Emergency Management TITLE: Hurricane Loss Reduction for Housing in Florida FY 14-15	AWARD: \$ 439,041
PI: Richard Olson INTERNATIONAL HURRICANE CENTER Award Action Type: Initial AWARDING SPONSOR: Florida Division of Emergency Management TITLE: Hurricane Loss Reduction for Housing in Florida FY 14-15	AWARD: \$ 260,959
PI: William E Pelham Jr CENTER FOR CHILDREN AND FAM Award Action Type: Continuation AWARDING SPONSOR: National Institutes of Health TITLE: Examining Tolerance to CNS Stimulants in ADHD	AWARD: \$ 652,494
PI: Jeremy W Pettit CENTER FOR CHILDREN AND FAM Award Action Type: Continuation AWARDING SPONSOR: National Institutes of Health TITLE: Attention Bias Modification Training in Child Anxiety CBT Non-responders	AWARD: \$ 205,789
PI: Rene M Price SOUTHEAST ENV RESEARCH CTR Award Action Type: Increase AWARDING SPONSOR: National Science Foundation TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research	AWARD: \$ 58,618
PI: Jennifer Schopf Rehage SOUTHEAST ENV RESEARCH CTR Award Action Type: Initial AWARDING SPONSOR: South Florida Water Management District TITLE: Habitat Selection & Movement of Everglades Fishes	AWARD: \$ 30,000
PI: Douglas Lee Robertson UNDERGRADUATE EDUCATION Award Action Type: Increase AWARDING SPONSOR: Association of Public & Land-Grant Univ TITLE: Transformational Planning Grant: University Transformation	AWARD: \$ 50,000
PI: Cristina Rodriguez Acosta INST PUB MGMT & COMM SERVICE Award Action Type: Initial AWARDING SPONSOR: Miami-Dade County Port of Miami TITLE: XXI Inter-American Conference of Mayors and Local Authorities	AWARD: \$ 50,357

PI: Mauricio Rodriguez-Lanetty

BIOLOGY

Award Action Type: Initial

AWARDING SPONSOR: National Science Foundation

TITLE: RAPID: A hyper-thermal anomaly in the Florida Reef Tract **AWARD: \$** 177,913

PI: Barry Philip Rosen

COM CELL BIOLOGY AND PHARM

Award Action Type: Initial

AWARDING SPONSOR: National Institutes of Health

TITLE: The Human Arsenic Methylation Pathway **AWARD: \$** 322,485

PI: Surendra K Saxena

MECHANICAL AND MAT ENGINEERING

Award Action Type: Continuation

AWARDING SPONSOR: Iowa State University

TITLE: Sustainable Allow Design: Searching for Rare Earth Element **AWARD: \$** 100,000

PI: Casey P Steadman

THE WOLFSONIAN

Award Action Type: Initial

AWARDING SPONSOR: Florida Humanities Council

TITLE: Myth and Machine: Community, History, and Visual Culture Programs **AWARD: \$** 5,000

PI: Casey P Steadman

THE WOLFSONIAN

Award Action Type: Initial

AWARDING SPONSOR: Miami-Dade County Cultural Affairs

TITLE: Miami Dade County Major Cultural Institutions FY15 Grant **AWARD: \$** 281,536

PI: Casey P Steadman

THE WOLFSONIAN

Award Action Type: Initial

AWARDING SPONSOR: National Endowment for the Humanities

TITLE: Hiring a consultant to conduct an environmental assessment **AWARD: \$** 6,000

PI: John Stuart

ARCHITECT AND THE ARTS DEANS OFF

Award Action Type: Initial

AWARDING SPONSOR: City of Miami Beach

TITLE: City of Miami Beach Grant FY 14-15 **AWARD: \$** 24,966

PI: Tiffany Grace Troxler

SOUTHEAST ENV RESEARCH CTR

Award Action Type: Increase

AWARDING SPONSOR: National Science Foundation

TITLE: LTER: FCE LTER III - Coastal Oligotrophic Ecosystems Research **AWARD: \$** 76,529

PI: Tiffany Grace Troxler

SOUTHEAST ENV RESEARCH CTR

Award Action Type: Initial

AWARDING SPONSOR: ICF International

TITLE: Greenhouse Gas Inventory and Analyses for Agriculture **AWARD: \$** 5,440

PI: Yukching Tse Dinh

CHEMISTRY

Award Action Type: Increase

AWARDING SPONSOR: National Institutes of Health

TITLE: Control of DNA Topology **AWARD: \$** 201,168

PI: Eric Wagner

SCHOOL OF SOCIAL WORK

Award Action Type: Initial

AWARDING SPONSOR: Ware Foundation

TITLE: Yoga as a Complement to Standard Care for Adolescents **AWARD: \$** 35,266

PI: Susan E Webster

OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT

Award Action Type: Initial

AWARDING SPONSOR: IREX

TITLE: Young African Leaders Initiative (YALI) **AWARD: \$** 100,000

PI: Ming Zhao

COMPUTER INFO SCIENCES

Award Action Type: Initial

AWARDING SPONSOR: National Science Foundation

TITLE: Student Travel Support for ACM HPDC 2015 **AWARD: \$** 15,000

PI: Ioannis Zisis

CIVIL AND ENVIRON ENGINEERING

Award Action Type: Increase

AWARDING SPONSOR: Florida Department of Transportation

TITLE: Development of a Test Method for Assessing the Performance **AWARD: \$** 7,024

Limited Submission Funding Opportunities

Below are limited submission opportunities with upcoming internal deadlines:

Agency	Program	Institutional Submission Limits	Internal Deadline	Agency Deadline
NSF	<u>Collections in Support of Biological Research (CSBR)</u> (NSF 14-564)	Three per organization. In a single round of the CSBR competition, only one proposal may be submitted from any individual collection within an organization. One organization may not submit more than three proposals to any one CSBR competition.	05/13/2015	07/13/2015
NIH	<u>Developing and Improving Institutional Animal Resources (G20)</u> (PAR-13-219)	One per institution	6/3/2015	8/3/2015
NSF	<u>Improving Undergraduate STEM Education: Pathways into Geoscience</u> (NSF 15-526)	One per institution	06/14/2015	Prelim Proposal Deadline: 8/14/2015 Agency Deadline: 10/05/2015
NIH	<u>Institutional Research and Academic Career Development Awards (IRACDA) (K12)</u> (PAR-13-290)	One per institution	7/24/2015	9/24/2015

Please visit our website at: <http://research.fiu.edu/funding/pages/limited-submissions.html> to review our monthly limited submissions or for further instructions on how to prepare and/or submit your limited submission application.

Funding Opportunities

The funding opportunities are in the attached excel file, which includes a filter for agency, date and opportunity number.



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The session was well attended, with representatives from chemistry, biology, engineering, hospitality, medicine, and nursing. A Q&A session followed the presentation. Most questions from the audience centered on the type and scope of documentation that is needed for a patent application and the submission timing of the technology disclosure.

Participants also shared their experiences and suggestions. Their suggestions included: 1) contact TMC for intellectual property protection guidance prior to non-FIU presentations that feature technology that may have commercial potential; 2) execute confidentiality agreements before discussing technology with a potential third party partner; 3) be aware that online publication of conference abstracts, theses, and scientific manuscripts that precede paper publications may affect patent filing; 4) thoroughly complete FIU's intellectual property disclosure form and submit manuscripts, slide presentations, and other documentation to ensure that the invention is described in sufficient detail, and 5) realize that patent filing and prosecution is a collaborative effort among the inventors, TMC and the outside patent attorneys.

If your FIU laboratory developed a technology, or you are considering publishing or presenting this information for audiences outside of FIU, please submit an [Intellectual Property Disclosure Form](#) or contact the TMC unit at 305-348-2494.

Attachments:

Name	Modified	Size	Description
funding-opportunitites-March.xlsx	2/26/2015 9:28:36 AM	27 KB	

Contact ORED Senior Leadership

Name	Title	Email Address
Andrés G. Gil	Vice President for Research	Andres.gil@fiu.edu
Tonja Moore	Associate Vice President for Research Strategic Planning & Operations	Tonja.moore@fiu.edu
Luis P. Salas	Associate Vice President for Research	Luis.salas@fiu.edu
Mirtha Alberto	Director, Budget & Cost Analysis	Mirtha.alberto@fiu.edu
Henry Artigues	Director, Research Operations & External Partnerships	Henry.artigues@fiu.edu
David Driesbach	Assistant Vice President, Research Information Systems	David.driesbach1@fiu.edu
Christopher Grayson	Director, Research Integrity	Christopher.grayson@fiu.edu
C. Emily Gresham	Assistant Vice President, Innovation & Economic Development	Emily.gresham@fiu.edu
Robert Gutierrez	Assistant Vice President and Director, Pre-Award	Robert.gutierrez@fiu.edu
Pedro Hernández	Director, Technology Management & Commercialization	Pedro.hernandez7@fiu.edu
Maureen Pelham	Director, Research Development	Maure.pelham@fiu.edu
Aida Reus	Director, Post-Award	Aida.reus@fiu.edu
Horatiu Vinerean	Director, Laboratory Animal Research ; Attending Veterinarian	Horatiu.vinerean@fiu.edu
Susan Webster	Director, Training & International Research Initiatives	Susan.webster@fiu.edu



FLORIDA INTERNATIONAL UNIVERSITY
 OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT
 11200 SW 8th Street
 MARC 430
 Miami, FL 33199
<http://research.fiu.edu>