FIU | Research

ORED Communicator

Collaborating with your Tech Transfer Office

By Elizabeth Garami

March 2015 Issue

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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 your 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 rountables.
- **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
ARCHICT 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	**Collections in Support of Biological Research (CSBR)** (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	**Developing and Improving Institutional Animal Resources (G20)** (PAR-13-219)	One per institution	6/3/2015	8/3/2015
NSF	**Improving Undergraduate STEM Education: Pathways into Geoscience** (NSF 15-526)	One per institution	06/14/2015	Prelim Proposal Deadline: 8/14/2015 Agency Deadline: 10/05/2015
NIH	**Institutional Research and Academic Career Development Awards (IRACDA) (K12)** (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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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.

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Name	Modified	Size	Description
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Contact ORED Senior Leadership

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