

7-2019

ORED Communicator - July 2019

Office of Research and Economic Development, Florida International University

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Upcoming Events

July 2019

Upcoming Events
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July

⇒ July 16, 12 to 1 pm, TBD, [*The Role of artificial intelligence \(AI\) in the future of biology, biomolecular science and research*](#), presented by Robert Hacker

Awards Received—May 2019

FIU researchers were awarded \$13,282,242 in May 2019. Below is a listing of awards received.

Afanasyev, Alexander

College of Engineering and Computing
Computer Information Sciences
Ford Motor Co.
Increase
Named Data Networking for 5G C-V2X

\$50,000

Almaguer, Ruben D.

Office of the President
Emergency Management
Florida Office of Insurance Regulation
Initial
Public Health and Disaster Medical Preparedness and Response

\$250,000

Anderson, Elizabeth

College of Arts, Sciences & Education
Earth and Environment
FIU Foundation
Increase
Living Andean Rivers: Low Cost Monitoring of Water Resources

\$20,000

Aziznamini, Atorod

College of Engineering and Computing
Civil and Environmental Engineering
Florida Office of Insurance Regulation
Initial
Large Scale Testing Facility for Pre-Eminent Institute for Resilient

\$250,000

Bahrck, Lorraine

College of Arts, Sciences & Education
Psychology
Child Health and Human Development
Initial
Multisensory Development: New Measures and a Collaborative

\$638,966

Awards Received—May 2019 (continued)

FIU researchers were awarded \$13,282,242 in May 2019. Below is a listing of awards received.

Bahrck, Lorraine

College of Arts, Sciences & Education

Psychology

Child Health and Human Development

Initial

Intersensory Processing, Developmental Trajectories, and Longitudinal Outcomes

\$616,908

Baum, Marianna

Robert Stempel College of Public Health and Social Work

Dietetics and Nutrition

National Institute on Drug Abuse

Continuation

Cohort Studies of HIV/AIDS and Substance Abuse in Miami

\$862,262

Boeglin, Werner

College of Arts, Sciences & Education

Physics

U.S. Department of Energy

Continuation

Nuclear Physics Research at Jefferson Lab

\$533,000

Boyd, Jeffrey Allen

Herbert Wertheim College of Medicine

Human and Molecular Genetics

FIU Foundation

Increase

Detection of Somatic Pre-Cancerous Mutations in Tampons of Patients with Pre-Existing BRCA1

\$6,000

Brown, Ellen Leslie

Nicole Wertheim College of Nursing and Health Sciences

Nursing Graduate

University of Alabama

Initial

Examining the clinical workflow and outcomes of integrating health information technology

\$64,876

Bursac, Zoran

Robert Stempel College of Public Health and Social Work

Biostatistics

Minority Health and Health Disparities

Pre-Award

Research Infrastructure Core

\$80,826

Cai, Yong

College of Arts, Sciences & Education

Chemistry

National Science Foundation

Initial

Photochemical Reactions of Particulate Mercury Species at the Water-Particle

\$424,189

Campa, Adriana

Robert Stempel College of Public Health and Social Work

Dietetics and Nutrition

Minority Health and Health Disparities

Pre-Award

Community Engagement Core

\$63,772

Campbell, Justin

College of Arts, Sciences & Education

Biology

National Science Foundation

Initial

The Tropicalization of Western Atlantic Seagrass Beds

\$28,886

Casas, Alexander

Office of the President

University Police

University of North Florida

Initial

Florida's Bicycle Pedestrian Focused Initiative High Visibility Enforcement

\$1,000

Coles, Erika

College of Arts, Sciences & Education

Psychology

Children's Trust

Initial

Universal Parenting Education

\$117,529

Comer, Jonathan

College of Arts, Sciences & Education

Psychology

Boston Medical Center

Initial

Leveraging the ABCD Study to Examine the Effects of Hurricane Irma Exposure

\$71,108

Conlon, Ronan

College of Arts, Sciences & Education

Math and Statistical Sciences

National Science Foundation

Initial

Kahler manifolds with prescribed Ricci curvature

\$60,623

Cumming, Michelle Maria

College of Arts, Sciences & Education

Teaching and Learning

U.S. Department of Education

Initial

Examining the Executive Function and Stress Loop and its Association with Behavior \$133,985

Cyrus Cameron, Elena Antonia

Robert Stempel College of Public Health and Social Work

Epidemiology

National Institute on Drug Abuse

Continuation

To Reach Unrestricted Services for Transgender Women (TRUST) \$179,707

DeGennaro, Matthew

College of Arts, Sciences & Education

Biology

University of Florida

Increase

Southeastern Regional CoE in Vector-Borne Diseases: The Gateway Program \$141,749

El-Hage, Nazira

Herbert Wertheim College of Medicine

Immunology and Nano Medicine

University of North Carolina Chapel Hill

Continuation

Cell-based Platform for Gene Delivery to the Brain \$25,673

El-Hage, Nazira

Herbert Wertheim College of Medicine

Immunology and Nano Medicine

National Institutes of Health

Initial

Develop and evaluate efficacy of nanoformulated siBeclin1 delivered intranasally \$206,268

Finlayson, Mark Alan

College of Engineering and Computing

Computer Information Sciences

National Science Foundation

Increase

Participant Support for 800011690 \$16,000

Fourqurean, James

College of Arts, Sciences & Education

Biology

Naval Supply Systems Command

Increase

Deep Saturation Dive Training \$215,540

Fourquarean, James

College of Arts, Sciences & Education—Biology
 Florida Department of Environmental Protection
 Initial
 Coastal marine research, education and conservation in Southwest Florida \$529,755

Fourquarean, James

College of Arts, Sciences & Education—Biology
 Florida Department of Environmental Protection
 Increase
 Julia Tuttle Seagrass Die-off Monitoring \$4,218

Frazier, Stacy Lynn

College of Arts, Sciences & Education
 Psychology
 Society Psychological Study Social Issue
 Initial
 Considering Culture and Context: A Mixed-Methods Approach to Examining Adolescent \$2,500

Garber, David

College of Engineering and Computing
 Civil and Environmental Engineering
 U.S. Department of Transportation
 Increase
 Development of ABC-UTC Non-Proprietary UHPC Mix \$50,929

Gonzalez Jr., Raul

College of Arts, Sciences & Education
 Psychology
 National Institute on Drug Abuse
 Continuation
 Adolescent Brain Cognitive Development (ABCD): FIU \$1,334,272

Gresham, C. Emily

Academic Affairs - ORED
 Florida Office of Insurance Regulation
 Initial
 FIU Decision Lab \$250,000

Grove, Kevin

Steven J. Green School of International and Public Affairs
 Global and Sociocultural Studies
 Urban Studies Foundation
 Supplemental
 Postdoctoral Research Fellowship-Stephanie Wakefield - Miami Forever \$15,759

Guilarte, Tomas

Robert Stempel College of Public Health and Social Work
 Minority Health and Health Disparities
 Pre-Award
 Recruitment Core \$56,244

Hadi, Mohammed

College of Engineering and Computing
 Civil and Environmental Engineering
 University of South Florida
 Initial

Application of Dynamic Crash Prediction Methodologies to FDOT Safety \$67,100

Harborne, Alastair Richard

College of Arts, Sciences & Education
 Biology
 Nature Conservancy
 Initial

Mapping and modeling fishing pressure and fish standing stocks in the Eastern Caribbean \$65,000

Hossain, Muhammad

Robert Stempel College of Public Health and Social Work
 Environmental Health Sciences
 Environmental Health Sciences
 Increase

Pesticide Exposure and Adult Neurogenesis: Role of ER Stress \$15,466

Ibarra, Julio

Academic Affairs - Other Units
 CIARA
 National Science Foundation
 Continuation

IRNC: RXP: AtlanticWave-SDX: a distributed intercontinental experimental SDX \$447,535

Lagos, Leonel

Academic Affairs - Other Units
 ARC Applied Research Center
 Office of Environmental Management
 Supplemental

Chemical Process Alternatives for Radioactive Waste \$230,000

Lagos, Leonel

Academic Affairs - Other Units
 ARC Applied Research Center
 Office of Environmental Management
 Supplemental

Environmental Remediation Science and Technology \$383,333

Lagos, Leonel

Academic Affairs - Other Units
 ARC Applied Research Center
 Office of Environmental Management
 Supplemental

Waste and D and D Engineering and Technology Development \$270,000

Lagos, Leonel

Academic Affairs - ARC Applied Research Center
 Office of Environmental Management
 Supplemental
 DOE-FIU Science and Technology Workforce Development Program \$190,000

Llau Jr., Anthoni Francis

Robert Stempel College of Public Health and Social Work
 Health Promotion and Disease Prevention
 Miami-Dade County
 Initial
 Miami-Dade County Opioid Youth Initiative \$130,016

Lothridge, Kevin

College of Arts, Sciences & Education—SISH
 FLIR Detection Inc.
 Initial
 FLIR Detection G510 Training \$192,928

Lothridge, Kevin

College of Arts, Sciences & Education—SISH
 United Nations Mission in South Sudan
 Initial
 Training on crime scene documentation to UNMISS Human Rights Division in Entebbe, Uganda \$24,476

Maziak, Wasim

Robert Stempel College of Public Health and Social Work
 Epidemiology
 Fogarty International Center NIH
 Continuation
 Translating evidence & building capacity to support waterpipe control in the Eastern Mediterranean \$364,495

McPherson, Jacob

College of Engineering and Computing
 Biomedical Engineering
 American Heart Association
 Initial
 Restorative neuroplasticity in brainstem motor pathways to enhance rehabilitation post-stroke \$199,998

McPherson, Jacob

College of Engineering and Computing
 Biomedical Engineering
 National Institutes of Health
 Initial
 Intraspinal microstimulation for multi-modal rehabilitation \$316,573

Mebel, Alexander

College of Arts, Sciences & Education—Chemistry
 U.S. Department of Energy
 Continuation
 Theoretical Studies of chemical reactions related to the formation and growth \$110,000

Mehrabi, Armin Barzegar

College of Engineering and Computing
 Civil and Environmental Engineering
 U.S. Department of Transportation
 Increase

Performance of Existing ABC Projects: Inspection Case Studies \$30,000

Mehrabi, Armin Barzegar

College of Engineering and Computing
 Civil and Environmental Engineering
 U.S. Department of Transportation
 Increase

Available ABC Bridge Systems for Short Span Bridges- Course Module \$20,000

Miguez, Maria Jose

College of Arts, Sciences & Education
 SISH
 Brown University
 Pre-Award

Alcohol and HIV: Bio-behavioral Interactions and Intervention—Year 5 \$20,000

Mills, De Etta kay

College of Arts, Sciences & Education
 Biology
 National Institutes of Health
 Initial

Year 1 - Admin - Florida International University MARC U*STAR Program \$10,799

Mills, De Etta kay

College of Arts, Sciences & Education
 Biology
 National Institutes of Health
 Initial

Year 1 - Trainee - Florida International University MARC U*STAR Program \$22,645

Montas-Hunter, Sonja S

Academic Affairs - Other Units
 Student Access and Success
 College Board Florida Partnership
 Initial

2018-2019 College Board Florida Partnership CARES \$10,000

Murray, Edward P

Steven J. Green School of International and Public Affairs
 Metropolitan Center
 Haitian American Community Dev Corp
 Initial

Professional Services for Development of Capital Investment Plan for Little Haiti \$45,000

Nair, Madhavan

Herbert Wertheim College of Medicine
 Immunology and Nano Medicine
 National Institute on Drug Abuse
 Supplemental

Externally controlled nano-delivery and on-demand release of methanandamide across BBB \$6,523

Oberbauer, Steven

College of Arts, Sciences & Education—Biology
 University of Miami
 Initial

Assembly patterns of evolutionary-novel Anolis lizard communities \$8,192

Ozgen, Mesut

College of Communication, Architecture + The Arts
 Music
 Miami-Dade County Cultural Affairs
 Initial

2019 Guitar Festival TDC Grant \$5,000

Papastamatiou, Yannis Peter

College of Arts, Sciences & Education—Biology
 Earthwatch Institute
 Increase

Shark and ray conservation in Belize \$30,000

Pissinou, Niki

College of Engineering and Computing
 Computer Information Sciences
 U.S. Air Force
 Initial

Sensor-Chain: A Demo of Lightweight Blockchain based internet of Military things \$150,000

Rein, Kathleen

College of Arts, Sciences & Education—Chemistry
 National Oceanic and Atmospheric Admin
 Continuation

A Mechanism Based Intervention for Brevetoxin Induced Oxidative Stress \$165,052

Richardson, Jason R

Robert Stempel College of Public Health and Social Work Dean's Office
 U.S. Department of Veterans Affairs
 Initial

Neuroinflammation and abnormal behavior following combined chemical exposures \$17,000

Rogers, Jamie L

Academic Affairs - Other Units
 GIS Center and Digital Collection
 Boynton Beach City Library
 Initial

Boynton Beach City Library Digital Collection Hosting Contract \$1,300

Ross, Monique Serena Lara

College of Engineering and Computing
 Computer Information Sciences
 National Science Foundation

Initial

CAREER: Cracking the diversity code: Understanding computing pathways \$662,350

Sah, Jay P

College of Arts, Sciences & Education—SERC
 National Park Service

Increase

Vegetation monitoring within the habitat of Cape Sable seaside sparrow \$68,602

Scinto, Leonard

College of Arts, Sciences & Education
 Earth and Environment
 South Florida Water Management District

Increase

LILA (Loxahatchee Impoundment Landscape Assessment) \$95,807

Sheehan Delgado, Diana Montserrat

Robert Stempel College of Public Health and Social Work
 Epidemiology

Minority Health and Health Disparities

Continuation

Just-in-time adaptive interventions for improving young Latino sexual minority's success \$126,318

Shirley, Matthew

College of Arts, Sciences & Education—Biology
 Rare Species Conservatory Foundation

Initial

Supporting the Recovery of the Critically Endangered West African Slender-snouted Crocodile \$30,000

Standiford, Lester

College of Arts, Sciences & Education—English
 Eckerd College

Initial

Writers in Paradise 2020 \$38,325

Theobald, Jamie

College of Arts, Sciences & Education—Biology
 National Science Foundation

Increase

CAREER: Image speed and visual acuity during fly flight \$168,350

Theobald, Jamie

College of Arts, Sciences & Education—Biology
 National Science Foundation

Increase

Participant Support - CAREER: Image speed and visual acuity during fly flight \$1,650

Tieu, Kim

Robert Stempel College of Public Health and Social Work
 Environmental Health Sciences
 Environmental Health Sciences
 Initial
 Toxicant-induced neurotoxicity mediated by glia-neuron and gene-environment interactions \$78,525

Timmons, Adela Chaswill

College of Arts, Sciences & Education
 Psychology
 National Science Foundation
 Initial
 A Technology-Facilitated Intervention System for Improving Child Mental Health \$10,000

Trepka, Mary Jo

Robert Stempel College of Public Health and Social Work
 Epidemiology
 Minority Health and Health Disparities
 Pre-Award
 Investigator Development Core \$117,077

Trepka, Mary Jo

Robert Stempel College of Public Health and Social Work
 Epidemiology
 Minority Health and Health Disparities
 Continuation
 Women-centered HIV care practices that facilitate HIV care retention \$444,754

Triay Melendez, Ines

Academic Affairs - Other Units
 ARC Applied Research Center
 U.S. Department of Energy
 Increase
 MSI Mission-to-Market for Inclusive Economic Development \$150,107

Trucco, Elisa

College of Arts, Sciences & Education
 Psychology
 Minority Health and Health Disparities
 Pre-Award
 Antecedents and Consequences of Electronic Nicotine Delivery Systems \$98,339

Volakis, John

College of Engineering and Computing
 Engineering Deans Office
 Novaa Ltd.
 Initial
 Passive Millimeter-Wave Imaging Camera System Using Optical \$84,112

Wagner, Eric

Robert Stempel College of Public Health and Social Work
 School of Social Work
 Minority Health and Health Disparities
 Pre-Award
 FIU Center for Reducing Health Disparities in Substance Abuse & HIV in South Florida \$126,423

Wang, Weirui

College of Communication, Architecture + The Arts
 Communication
 Pennsylvania State University
 Initial
 Correcting Health Misinformation through Narratives: Investigating the Interplay \$3,000

Wdowinski, Shimon

College of Arts, Sciences & Education
 Earth and Environment
 NASA Goddard Space Flight Center
 Increase
 Cascading hazards: Understanding triggering relations between wet tropical cyclones \$51,243

Wunder, Linda

Nicole Wertheim College of Nursing and Health Sciences
 Nursing Anesthesiology
 Miami Beach Anesthesiology Associates
 Increase
 Miami Beach Anesthesiology Associates Faculty Support Agreement \$51,502

Zhang, Lu

College of Engineering and Computing
 Moss School of Construction, Infrastructure and Sustainability
 Engineering Information Foundation
 Initial
 Advancing Engineering Undergraduates' Professional Presentation Skills \$24,783

Funding Opportunities

ORED has a new, improved and interactive webpage for funding opportunities. Please visit <http://research.fiu.edu/funding/#current>.

Limited Submissions

Current limited submission opportunities are available at <http://research.fiu.edu/funding/limited-submissions/>.

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