12-2018

ORED Communicator - December 2018

Office of Research and Economic Development, Florida International University

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Upcoming Events

December
⇒ December 5, 8 am to 1 pm, GL #220, Climate Change Teach-In, presented by Liesl Picard
⇒ December 7, 9 to 10 am, AHC5 #300, Adaptive Optics Imaging to Reveal Structure and Function of Neural Circuits that Underlie Human Spatial and Color Vision, presented by Austin Roorda
⇒ December 7, 12 to 1 pm, AHC 1 #110, Small Science Brain Imaging in the Era of Big Data, presented by Francisco X. Castellanos (one continuing education credit will be provided)

January
⇒ January 11, 11:15 am to 12:15 pm, PG5 #134, How to search 10s of millions of synthetic compounds while only requiring the screening of 300-600 samples?, presented by Richard Houghten
⇒ January 18, 11 am to 12 noon, PG5 #134, Combating Antibiotic Resistance: Drug Repurposing and Nanoantibiotics, presented by Mingdi Yan
⇒ January 18, 12 to 1 pm, AHC 1 #110, Management of Anxiety in Youth, presented by Philip C. Kendall (one continuing education credit will be provided)

February
⇒ January 18, 12 to 1 pm, AHC 1 #110, Severe Temper Outbursts: Indicators of Emotion Dysregulation in Children, presented by Amy K. Roy (one continuing education credit will be provided)
⇒ February 20 to 22, Kovens Center, Biscayne Bay Campus, 2019 Miami International Child & Adolescent Mental Health (MICAMH) Conference, presented by the Center for Children and Families

The Office of Research and Economic Development (ORED) staff are temporarily relocated as follows:
⇒ Pre-Award: Academic Health Center 4 (AHC 4)—2nd floor
⇒ Post-Award: AHC 4—3rd floor
⇒ Budget & Cost Analysis: AHC 4—4th floor
⇒ Research Integrity: AHC 4—4th floor
⇒ Research Information Systems: AHC 4—3rd floor
⇒ Research Management Solutions: AHC 4—4th floor
⇒ Technology Management & Commercialization—MARC 3rd floor
⇒ Vice President for Research & Economic Development/Dean UGS—MARC 240

The MARC fourth floor will be undergoing much needed renovations.
Awards Received—October 2018

FIU researchers were awarded $8,496,886 in October 2018. Below is a listing of awards received.

**Adjouadi, Malek**  
College of Engineering and Computing  
Electrical and Computer Engineering  
Initial  
University of Texas, El Paso  
INCLUDES Alliance: The Computing Alliance of Hispanic-Serving Institutions $49,664

**Agarwal, Arvind**  
College of Engineering and Computing  
Mechanical and Materials Engineering  
Initial  
University of Texas, El Paso  
Partnership for Research and Education Consortium in Ceramics and Polymers $244,293

**Agarwal, Arvind**  
College of Engineering and Computing  
Mechanical and Materials Engineering  
Initial  
University of Texas, El Paso  
Partnership for Research and Education Consortium in Ceramics and Polymers $56,064

**Almirall, Jose**  
College of Arts, Sciences & Education  
Chemistry  
Increase  
National Science Foundation  
Center for Advanced Research in Forensic Science (CARFS), Phase I IUCRC Site at FIU $17,000

**Barbetta, Patricia**  
College of Arts, Sciences & Education  
Teaching and Learning  
Initial  
Florida Department of Education  
2018-2019 Exceptional Student Education (ESE Tuition Support Program) $265,000

**Barratt, Diana M**  
Herbert Wertheim College of Medicine  
Neuroscience  
Initial  
American Board of Psychiatry & Neurology  
Disclosure of Medical Errors in Stroke Patients: Development of a Simulation Curriculum $100,000

**Bhansali, Shekhar**  
College of Engineering and Computing  
Electrical and Computer Engineering  
Pre-Award  
North Carolina State University  
Advanced Self-Powered Systems of Integrated Sensor Technologies (ASSIST) $47,531
<table>
<thead>
<tr>
<th>Name</th>
<th>College/Department</th>
<th>Project Title</th>
<th>Award Amount</th>
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<tbody>
<tr>
<td>Bhardwaj, Shubhendu</td>
<td>College of Engineering and Computing</td>
<td>Pre-Award Advanced Self-Powered Systems of Integrated Sensor Technologies (ASSIST)</td>
<td>$14,998</td>
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<tr>
<td>Bouayad, Lina</td>
<td>College of Business</td>
<td>Increase U.S. Department of Veterans Affairs Mining of patient text notes and secure messages</td>
<td>$17,877</td>
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<tr>
<td>Bouayad, Lina</td>
<td>Info Sys and Bus Analytic</td>
<td>Increase U.S. Department of Veterans Affairs Mining of patient text notes and secure messages</td>
<td>$26,800</td>
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<tr>
<td>Boyd, Jeffrey Allen</td>
<td>Herbert Wertheim College of Medicine</td>
<td>Continuation Fox Chase Cancer Center Identifying Determinants of PARP Inhibitor Sensitivity in Ovarian Cancer</td>
<td>$13,721</td>
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<tr>
<td>Brown, Joann L</td>
<td>College of Communication, Architecture + The Arts</td>
<td>Communication Initial Village of Biscayne Park Police Village Biscayne Park Cultural Diversity and Leadership Training</td>
<td>$7,500</td>
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<tr>
<td>Cheng, Michael</td>
<td>Chaplin School of Hospitality and Tourism Management</td>
<td>Initial U.S. Department of State U.S. Culinary Region Tour for Culinary Journalists and Educators</td>
<td>$26,744</td>
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<tr>
<td>Chung, Katherine D</td>
<td>Herbert Wertheim College of Medicine</td>
<td>Initial Humanities Health and Society FIU Foundation Partnering with Communities to Drive out Breast Cancer in Miami-Dade County</td>
<td>$38,800</td>
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<td>Cramer, Elizabeth</td>
<td>College of Arts, Sciences &amp; Education</td>
<td>Increase Teaching and Learning U.S. Department of Education Project PREPARE: Preparing Rigorous and Effective Professionals as Autism</td>
<td>$4,050</td>
</tr>
</tbody>
</table>
Danziger, Zachary
College of Engineering and Computing
Biomedical Engineering
Increase
FIU Foundation
Post-SCI Bladder Reflex Conditioning with Pelvic Neuromodulation $108,723

De Caprio, Anthony
College of Arts, Sciences & Education—Chemistry
Initial
U.S. Department of Justice
Evaluating Analytical Parameters and Understanding Drug-Matrix Interactions $400,349

Eraso, Mario
College of Engineering and Computing
Computer Info Sciences
Initial
City of Miami Beach
STEM Afterschool Enrichment $37,400

Espinal Tejada, Carlos Arturo
Robert Stempel College of Public Health and Social Work
Health Promotion and Disease Prevention
Initial
FIU Foundation
State of the art prevention and control of pertussis $164,900

Fava, Nicole M
Robert Stempel College of Public Health and Social Work
School of Social Work
Initial
Children's Trust
Trauma-informed screening & treatment in community university clinic: Parents & youth $254,883

Gaiser, Evelyn E
College of Arts, Sciences & Education—Biology
Increase
South Florida Water Management District
Periphyton and vegetation monitoring for the adaptive management of the Upper Taylor $90,985

Gan, Cheng-Tin
College of Engineering and Computing
Civil and Environmental Engineering
Initial
Florida Department of Transportation
2018-2019 FSUTMS Online Web Portal Maintenance $13,913

Hadi, Mohammed A
College of Engineering and Computing
Civil and Environmental Engineering
Increase
University of Florida
FIU Professional Development & Participation in Southeastern Transportation $51,602

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
Hadi, Mohammed A
College of Engineering and Computing
Civil and Environmental Engineering
Increase
University of Florida
FIU Professional Development & Participation in Southeastern Transportation $55,506

Hadi, Mohammed A
College of Engineering and Computing
Civil and Environmental Engineering
Increase
University of Florida
FIU Professional Development & Participation in Southeastern Transportation Research, $64,655

Hamid, Shahid
College of Business
Finance
Supplemental
Florida Office of Insurance Regulation
Florida Public Hurricane Loss Model (FPHLM) $891,272

Hamid, Shahid
College of Business
Finance
Supplemental
Florida Office of Insurance Regulation
Florida Public Hurricane Loss Model (FPHLM) $78,417

Huang, Hui
Robert Stempel College of Public Health and Social Work
School of Social Work
Initial
Florida State University
A pilot test and initial validation of a quality rating scale for Florida’s residential group homes $7,137

Ibanez, Gladys E
Robert Stempel College of Public Health and Social Work
Epidemiology
Initial
University of Florida
Use of HIV Surveillance Data to Address HIV-related Stigma and Improve HIV Care $17,397

Ibarra, Julio E
Academic Affairs—CIARA
Continuation
Association of Universities for Research in Astronomy
Large Synoptic Survey Telescope (LSST) $3,087,500

Khizroev, Sakhrat
College of Engineering and Computing
Electrical and Computer Engineering
Initial
Air Force Office of Scientific Research
Energy-efficient sub-10-nm magnetic tunneling junctions $120,057

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
<table>
<thead>
<tr>
<th>Name</th>
<th>Department/Program</th>
<th>Title/Description</th>
<th>Sponsor</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liu, Hong</td>
<td>College of Arts, Sciences &amp; Education</td>
<td>Earth and Environment</td>
<td>Pew Charitable Trusts Fellows Program</td>
<td>$1,500</td>
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<td></td>
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<td>Conservation of illegal-traded marine wildlife in South China</td>
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<td>Lothridge, Kevin</td>
<td>College of Arts, Sciences &amp; Education</td>
<td>SISH</td>
<td>FLIR Detection Inc.</td>
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<td>Gas chromatograph mass spectrometer user training and maintenance</td>
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<td>Madanayake, Habarakada Liyanachchi</td>
<td>College of Engineering and Computing Electrical and Computer Engineering</td>
<td>Initial</td>
<td>National Science Foundation</td>
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<td>Collaborative Research: Wideband Multi-Beam Antenna Arrays:</td>
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<td>McDaniel, Dwayne</td>
<td>Academic Affairs—ARC Applied Research Center</td>
<td>Initial</td>
<td>U.S. Department of Energy</td>
<td>$375,409</td>
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<td>HBCU/OMI AOI 2 Development of a Pipe Crawler Inspection Tool for Fossil Energy</td>
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<td>Mills, De Etta kay</td>
<td>College of Arts, Sciences &amp; Education—Biology</td>
<td>Increase</td>
<td>National Science Foundation</td>
<td>$8,000</td>
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<tr>
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<td>Center for Advanced Research in Forensic Science (CARFS), Phase I IUCRC Site at FIU</td>
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<td>Mohammed, Osama A</td>
<td>College of Engineering and Computing</td>
<td>Electrical and Computer Engineering</td>
<td>Continuation</td>
<td>$18,715</td>
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<td>University of Arkansas</td>
<td>An Interdisciplinary Approach to Integratable, Composable and Evolvable Cybersecurity</td>
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<td>Mohammed, Osama A</td>
<td>College of Engineering and Computing</td>
<td>Electrical and Computer Engineering</td>
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<td>University of Arkansas</td>
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</tr>
</tbody>
</table>
Mondal, Ananda Mohan  
College of Engineering and Computing  
Computer Info Sciences  
Initial  
National Science Foundation  
CAREER: RUI: NetDA -- Protein Network-Based Software for Disease  
$49,453

Montas-Hunter, Sonja S  
Academic Affairs - Other Units  
Student Access and Success  
Initial  
Florida Department of Education  
EV3 Robotics 2018-2019 21st Century Community Learning Centers  
$309,970

Montas-Hunter, Sonja S  
Academic Affairs - Other Units  
Student Access and Success  
Initial  
Florida Education Fund  
2018-2019 COE South Florida Center of Excellence at FIU  
$26,000

Morris, Staci L  
Academic Affairs - Community Based Research Institute  
Initial  
Florida State University  
Community Partnership for Preventing Health Risks among Florida Urban American Indian  
$10,000.00

Obeysekera, Jayantha T  
College of Arts, Sciences & Education  
Sea Level Solutions Center  
Initial  
FL Dept of Business & Profess Regulation  
Potential Implications of sea-level rise and changing rainfall in Florida Building Code  
$127,883

Peacock, Robert Patrick  
Steven J. Green School of International and Public Affairs  
Criminal Justice  
Initial  
Engility  
International Criminal Investigative Assistance Program (ICITAP)  
$16,000

Pradhananga, Nipesh  
College of Engineering and Computing  
Moss School of Construction, Infrastructure and Sustainability  
Initial  
U.S. Department of Labor  
Electrical Hazards in Construction  
$120,085

Prospect, Sean Antonio  
College of Arts, Sciences & Education  
Community Engagement  
Initial  
Children's Trust  
After-School All-Stars Kinloch Park  
$225,000

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu
Saeed, Fahad  
College of Engineering and Computing  
Computer Info Sciences  
Initial  
National Science Foundation  
CRII: SHF: HPC Solutions to Big NGS Data Compression  
$7,708

Sarwat, Arif Islam  
College of Engineering and Computing  
Electrical and Computer Engineering  
Pre-Award  
University of Arkansas  
An Interdisciplinary Approach to Integratable, Composable and Evolvable Cybersecurity  
$27,307

Shirley, Matthew H  
College of Arts, Sciences & Education  
Biology  
Initial  
Chicago Zoological Society  
Ecological and ethnological basis for pangolin management in and around the Tanoe Swamp  
$5,000

Strong, Alexandra Coso  
College of Engineering and Computing  
SUCCEED  
Initial  
National Science Foundation  
Collaborative HSI Conference: Co-designing an engineering education research agenda  
$1,533

Thomas, Kieron  
College of Arts, Sciences & Education  
SISH  
Initial  
City of Miami Beach  
FIU Learning Assistant Math Intervention  
$20,000

Tremante, Andres  
College of Engineering and Computing  
Mechanical and Mat Engineering  
Continuation  
National Action Council for Minorities  
NACME Initiative at Florida International University  
$30,000

Volakis, John  
College of Engineering and Computing Dean’s Office  
Initial  
MaXentric Technologies LLC  
High Capacity & Adaptive RF Communications Control Link  
$30,000

Wunder, Linda L  
Nicole Wertheim College of Nursing and Health Sciences  
Nursing Anesthesiology  
Supplemental  
Miami Beach Anesthesiology Associates  
Miami Beach Anesthesiology Associates Faculty Support Agreement  
$452,663

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Xiao, Yi  
College of Arts, Sciences & Education  
Chemistry  
Increase  
National Science Foundation  
Center for Advanced Research in Forensic Science (CARFS), Phase I IUCRC Site at FIU $25,000

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/.

Upcoming deadlines include:

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>PROGRAM</th>
<th>INSTITUTIONAL SUBMISSION LIMITS</th>
<th>INTERNAL DEADLINE</th>
<th>AGENCY DEADLINE</th>
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</thead>
<tbody>
<tr>
<td>Oak Ridge Associated Universities (ORAU)</td>
<td><strong>Events Sponsorship Program</strong></td>
<td>Only one event grant per institution per fiscal year</td>
<td>1/11/2019</td>
<td>3/1/2019</td>
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<tr>
<td>National Science Foundation</td>
<td><strong>Cultivating Cultures for Ethical STEM</strong> NSF 18-532</td>
<td>Only one application per institution.</td>
<td>12/17/2018</td>
<td>2/22/2019</td>
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<tr>
<td>Florida Department of Transportation</td>
<td><strong>Accelerated Weathering of Traffic Control Materials by Laboratory Testing</strong> DOT-RFP-19-9041-GH</td>
<td>Only one application per institution.</td>
<td>12/10/2018</td>
<td>1/30/2019</td>
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<tr>
<td>National Science Foundation</td>
<td><strong>Materials Innovation Platform</strong> NSF 19-526</td>
<td>Only one application per institution.</td>
<td>12/10/2018</td>
<td>2/04/2019</td>
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<tr>
<td>W.M. Keck Foundation</td>
<td><strong>Research Program</strong></td>
<td>Only one application per institution per grant cycle.</td>
<td>12/10/2018</td>
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<tr>
<td>National Film and Video Foundation</td>
<td><strong>National Film and Video Foundation Fund</strong></td>
<td>Only one application per organization, individual or company will be</td>
<td>Open</td>
<td>The NFVF will receive proposals for film funding throughout the year.</td>
</tr>
<tr>
<td>AGENCY</td>
<td>PROGRAM</td>
<td>INSTITUTIONAL SUBMISSION LIMITS</td>
<td>INTERNAL DEADLINE</td>
<td>AGENCY DEADLINE</td>
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<tr>
<td></td>
<td>(Marketing and Distribution)</td>
<td>considered during a particular financial year.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Film and Video Foundation</td>
<td>National Film and Video Foundation Fund (Production Funding)</td>
<td>Only one application per organization, individual or company will be considered during a particular financial year.</td>
<td>Open</td>
<td>The NFVF will receive proposals for film funding throughout the year.</td>
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</table>
# Contact ORED Senior Leadership

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andrés G. Gil</td>
<td>Vice President for Research &amp; Economic Development</td>
<td><a href="mailto:Andres.gil@fiu.edu">Andres.gil@fiu.edu</a></td>
</tr>
<tr>
<td>Tonja Moore</td>
<td>Associate Vice President, Strategic Planning &amp; Operations</td>
<td><a href="mailto:Tonja.moore@fiu.edu">Tonja.moore@fiu.edu</a></td>
</tr>
<tr>
<td>Luis P. Salas</td>
<td>Associate Vice President, International Research, Space Optimization and Compliance</td>
<td><a href="mailto:Luis.salas@fiu.edu">Luis.salas@fiu.edu</a></td>
</tr>
<tr>
<td>Mirtha Alberto</td>
<td>Director, Budget &amp; Cost Analysis</td>
<td><a href="mailto:Mirtha.alberto@fiu.edu">Mirtha.alberto@fiu.edu</a></td>
</tr>
<tr>
<td>Henry Artigues</td>
<td>Director, External Partnerships &amp; Economic Development</td>
<td><a href="mailto:Henry.artigues@fiu.edu">Henry.artigues@fiu.edu</a></td>
</tr>
<tr>
<td>David Driesbach</td>
<td>Assistant Vice President, Research Information Systems</td>
<td><a href="mailto:David.driesbach1@fiu.edu">David.driesbach1@fiu.edu</a></td>
</tr>
<tr>
<td>Christopher Grayson</td>
<td>Director, Research Integrity</td>
<td><a href="mailto:Christopher.grayson@fiu.edu">Christopher.grayson@fiu.edu</a></td>
</tr>
<tr>
<td>Emily Gresham</td>
<td>Assistant Vice President, Innovation &amp; Economic Development</td>
<td><a href="mailto:Emily.gresham@fiu.edu">Emily.gresham@fiu.edu</a></td>
</tr>
<tr>
<td>Robert Gutierrez</td>
<td>Assistant Vice President, Research Development &amp; Pre-Award</td>
<td><a href="mailto:Robert.gutierrez@fiu.edu">Robert.gutierrez@fiu.edu</a></td>
</tr>
<tr>
<td>Pedro Hernández</td>
<td>Director, Technology Management &amp; Commercialization</td>
<td><a href="mailto:Pedro.hernandez7@fiu.edu">Pedro.hernandez7@fiu.edu</a></td>
</tr>
<tr>
<td>Regnier Jurado</td>
<td>Director, Research Management Solutions</td>
<td><a href="mailto:Regnier.jurado@fiu.edu">Regnier.jurado@fiu.edu</a></td>
</tr>
<tr>
<td>Donna Kiley</td>
<td>Director, Post-Award</td>
<td><a href="mailto:Donna.kiley@fiu.edu">Donna.kiley@fiu.edu</a></td>
</tr>
<tr>
<td>Lidia Kos</td>
<td>Associate Vice President for Research, Associate Dean—University Graduate School</td>
<td><a href="mailto:Lidia.kos@fiu.edu">Lidia.kos@fiu.edu</a></td>
</tr>
<tr>
<td>Maureen Pelham</td>
<td>Director, Research Development</td>
<td><a href="mailto:Maureen.pelham@fiu.edu">Maureen.pelham@fiu.edu</a></td>
</tr>
<tr>
<td>Horatiu Vinerean</td>
<td>Director, Laboratory Animal Research; Attending Veterinarian</td>
<td><a href="mailto:Horatiu.vinerean@fiu.edu">Horatiu.vinerean@fiu.edu</a></td>
</tr>
<tr>
<td>Susan Webster</td>
<td>Assistant Vice President for Research, Assistant Dean—University Graduate School</td>
<td><a href="mailto:Susan.webster@fiu.edu">Susan.webster@fiu.edu</a></td>
</tr>
</tbody>
</table>

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**OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT**

11200 SW 8th Street—call 305-348-2494 for specific personnel’s location
Miami, FL 33199
http://research.fiu.edu

For updates, corrections, suggestions, and/or general comments, please email Mercedes.rodriguez@fiu.edu