

RESEARCH @ FSW

Research @ FSW has been created to update Florida SouthWestern faculty and staff on exciting new developments in faculty research, creative expressions, research publications, and other highlights. This quarterly publication is the primary tool for faculty to share research successes with colleagues. If you have items for a future newsletter, contact Jennifer Young, Public Relations and Marketing Associate for Academic Affairs, at Jennifer.Young@fsw.edu or x-11101 (Thomas Edison Campus).

2015-2016 ARC Faculty Research Grant Presentations

This year, the Academic Research Council (ARC) awarded the first set of ARC grants. The purpose of these grants is to provide funding for faculty to conduct research which enhances their professional expertise and thereby enhances the student learning experience. On August 23, grant recipients presented their project summaries and research results. The presentations showcased academic inquiry and engagement across the disciplines. Many of the projects involved collaborative research among faculty and in some cases, the grants supported student participation in research activities. Some of the awardees are submitting results for publication and/or including the outcomes as the basis for additional external grant applications. The 2015-2016 ARC recipients along with their project titles are listed below.



Professor Marty Ambrose

Professor Marty Ambrose (English) - *Claire's Last Secret: A Novel*

Dr. Thepp Ayudhya (Chemistry) - *Novel Cross-Link Polymers for Fuel Storage*

Dr. Bruno Baltodano (Political Science) - *Indigenous Female Revolutionaries Research*

Professor June Davis (Nursing) - *The Transition to an Innovative, Evidence-Based Curriculum and Its Effects*

Dr. Robert Furler (Microbiology) - *HIV Proteins Interfere with Normal Migration of T Cells*

Dr. Gabe Gaidos, Dr. Peggy Romeo, Dr. Marcela Trevino (Biology) - *Nectar and Host Plant Preferences of Native Southwest Florida Butterfly*

Dr. Qin Liu (Chemistry) - *Computational Chemistry*

Dr. Jonathan McKenzie (Biology) - *Investigating the Structure and Dynamics of Near-Shore Coastal Sharks*

Dr. Mary Robertson (Mathematics) - *Predicting the Quality of Elementary Mathematics Teachers Utilizing Pre-Graduation Data Collected from Teacher Preparation Programs*

Dr. Elizabeth Schott, Professor Don Ransford, Dr. Rona Axelrod, Professor Laurice Garrett (Mathematics) - *Incorporating Inquiry Based Learning into a FSW Mathematics Course*

Dr. Michael Witty (Biology) - *Microbial Gas Emissions*

Dr. Di Xue (Chemistry) - *Analysis of Nutritions by Visible Spectrometry and Potentiostat*

Dr. Juan Zaragoza (Mathematics) - *Promoting a Culture of Metacognition in Math Courses*



Dr. Bruno Baltodano



Dr. Robert Furler



Dr. Elizabeth Schott and Professor Laurice Garrett



Dr. Thepp Ayudhya



Dr. Qin Liu

How Can Faculty Apply?

ARC Grant funds are intended to support scholarly products that contribute to a culture of creativity, innovation, and entrepreneurship that positively impacts students and the learning experience. Grant applications are reviewed and voted on by the ARC Grant Committee. The committee is made up of faculty members representing each of the five schools, a representative from the Division of Academic Success and Learning Resources and the Division of Research, Technology and Accountability, and one college dean.

ARC Grant applications and instructions are available through the FSW Office of Sponsored Programs and Research at <https://www.fsw.edu/ospr/arcgrant>.

To learn more about the grants and how to apply, register for an ARC Grant Lunch and Learn on Wednesday, Sept. 21, 12:00-1:30 p.m., or Thursday, Sept. 22, 12:00-1:30 p.m., at <http://www.fsw.edu/trainingcalendar/display>.

ARC Grant application submission deadline is November 1.

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