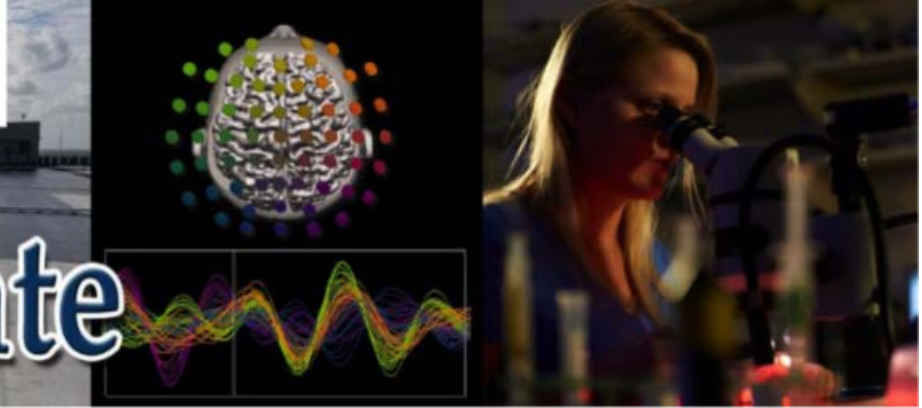


Rsch-L Update



News

Nov. 5, 2014

Events

Ocean Exploration Trust Breakfast Meeting for Faculty, Staff and Students

**Friday, Nov. 7, 9-10:30 a.m.,
Dania Beach campus, Room
250**

Science and engineering
faculty, staff and students are
invited to
a presentation by Allison
Fundis, Director of Education
at the Ocean Exploration
Trust.

The presentation will cover the
trust's Honors Research
Program, Science
Communication Fellowship and
Science and Engineering
internship program.

A light breakfast will be
served.

RSVP to James Acton,
jacton2@fau.edu.

Learn the Ins
and Outs of
GrantsERA

Nov. 13, 10 a.m.-Noon



Fat Turtles Make Better Swimmers



(Jeanette Wyneken)

For the first time, researchers have measured the forces that act on a swimming animal and the energy it expends to swim. In a [study](#) published last week in PLOS One, scientists at FAU, the University of Wisconsin-Madison and the National Oceanic and Atmospheric Administration reported that longer, slender turtles are less efficient swimmers than their more rotund counterparts. That's because the flippers of thinner turtles come closer together at the bottom of their stroke than those of larger ones, causing them to lose power.

Until now, scientists had not been able to measure the fluid dynamics of a sea animal or the energy it required to swim.

(all colleges are welcome)
FAU Instructional Services
Lab, Bldg. 4, Room 208

Learn how to optimize your experience using grantsERA to process, submit and manage grants and contracts. This training is geared toward investigators and staff who are new to using grantsERA.

An overview of [Pivot](#), an online resource for global funding opportunities and collaboration will be included.

Click on the [calendar](#) to register.

Funding Opportunities

Interdisciplinary Behavioral and Social Science Research *Due: Dec. 2*

NSF invites proposals for large interdisciplinary research and exploratory projects. Preferred research themes are: population change; sources of disparities; communication, language, and linguistics; and technology, new media, and social networks. Click [here](#) for the solicitation.

NSF Long-Term Research in Environmental Biology

Preliminary proposal due: Jan. 23, full proposals by Aug. 3

This program supports decade-long projects with research plans that clearly detail significant questions that can not be answered with existing data but could be answered with an additional 10 years of

Using this information, scientists can discern how much food the animal needs to survive. Several labs have tried to model the movements of animals in the water, but were unable to measure drag and thrust.

Jeanette Wyneken, Ph.D., Professor of Biological Sciences, and a former FAU graduate student, Todd Jones, Ph.D., now a physiologist at the NOAA, working with their colleagues at the University of Wisconsin, became the first team to create a virtual model of swimming animals.



Animated swimming turtles
(Warren Porter, University of Wisconsin-Madison)

Wyneken's lab is the only place in the world where newborn leatherback turtles are thriving due to a unique tether system she and her former students created. This system provided an ideal way to study the turtles in motion.

"We originally developed the tether system to keep newborn leatherback sea turtles in the lab for study and release back into the wild," said Wyneken. "This method is essential because leatherbacks don't recognize barriers and so can easily injure themselves in the enclosures. With the tether, the turtles were swimming safely and did great." [READ MORE](#)

Women's Voice Inflection Influences How They're Perceived

data. Click [here](#) for the request for proposals.

Interdisciplinary Faculty Program in Quantum Information Science

Feb. 2, Dec. 7, 2015

This NSF program addresses cross-disciplinary research questions in quantum information science and its impact on other disciplines. It also aims to increase the number of U.S. researchers actively working in the field and enhance the training of future scientists in this field.

Download the solicitation [here](#).

Revision Awards for Creating Virtual Consortium for Translational/Transdisciplinary Environmental Research

Letter of intent due: Feb. 4, applications by March 4

This NIH program aims to foster transdisciplinary collaborations and/or translational research efforts among basic, clinical and population-based researchers with environmental health expertise. Details [here](#).

Opportunities to Collaborate with NIH Clinical Center

Due: March 20, letter of intent by 30 days prior

Enhance your research by taking advantage of the [NIH Clinical Center](#) and collaborating with NIH intramural investigators. Download the RFP [here](#).

NIH Director's New Innovator Award Program

Due: Oct. 16

This grant supports early stage investigators of exceptional creativity with the promise of making a major impact on



*Talking While Female
(Selena Simmons-Duffin ad Kelli Anderson, NPR)*

Rindy Anderson, Ph.D., Assistant Professor in FAU's Department of Biological Sciences, found that young Americans exhibiting certain voice qualities are perceived negatively. NPR called on Anderson to explain common complaints against the female voice. Watch the recently released video (above) to listen to the report featuring Anderson's insight. Read the NPR story [here](#).

While at Duke University, Anderson collaborated with colleagues on the first study to assess how vocal fry -- a voice trend prevalent with young women -- is perceived by a national sample of American adults. Their findings were published in [PLOS One](#).

"My colleagues and I are interested in understanding how our voice qualities can influence how we are perceived in contexts such as elections and interviewing for a job," she said. "In this study, we asked about vocal fry, a speech affectation in which the vocal folds are relaxed and the voice pitch is dropped so low that the voice 'fries' or 'pops.'"

"In an experiment, we found that relative to a normal speaking voice, young adult female voices exhibiting vocal fry are perceived as less competent, less educated, less trustworthy, less attractive, and less hireable. The negative perceptions of vocal fry are held by listeners of all ages and genders, and are stronger for female voices relative to male voices. This means that young people on the job market who speak with vocal fry may be at a disadvantage relative to job seekers who do not use this voice," Anderson said.

FAU Internal Awards Deadline Approaching

Tenure-track faculty seeking to be mentored by senior colleagues with significant extramural funding experience are encouraged to apply to the Faculty Mentoring Program. The Division of Research provides a \$4,000 award to mentees and a \$2,000 award to mentors. The application deadline is Jan. 19. Click [here](#) for details.

important biomedical and behavioral research problems. Download the solicitation [here](#).

More Funding Opportunities

Visit the Division of Research funding opportunities [page](#) for additional solicitations.

In addition, the division is seeking applications for its Researcher of the Year and Scholar of the Year awards that recognize excellence in sponsored research. Applications are due in respective Dean's or Director's offices by Jan. 26. Additional information is available [here](#).

Contact Camille Coley at ccoley@fau.edu with questions.

Division of Research, On the Move

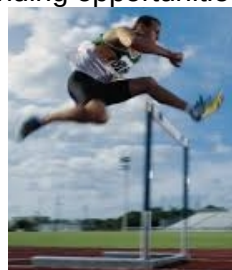


The Division of Research's Office of Sponsored Programs has relocated from SU-80 to the second floor of the Administration Building. In addition, its Office of Technology Development is now located in the Behavioral Science Building 12, Room 407.

All contact information remains the same.

Overcome Funding Hurdles

Create or update your profile on Pivot, an online tool to find collaborators and funding opportunities. Click on the image.



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Division of Research, Florida Atlantic University | 777 Glades Road | Boca Raton | FL | 33431