March 2016

Research and scholarship at center stage of Research Week

Research Week has come and gone for this year. It's unbelievable the breadth and variety of research and scholarly activity on display during Research Week. To recap interesting facts about the week, see the graphic below with Research Week by the numbers. A special series of events introduced this year were panels organized by Vice President for Research Dr. Kenneth Sewell. Below are links to rebroadcasts of
each of the four panels, in case you missed one or want to watch a session again. Tell us what you think about Research Week or the e-newsletter In Focus; email us at vpr@okstate.edu.

Missed a Research Week VPR Panel?

Watch rebroadcasts of Research Week VPR Panel Series discussions on OStateTV:

- **Research Week Kick Off Panel**
  "The Importance of Research Breadth at OSU"

- **Powering Oklahoma and the Nation**
  The nexus of food, energy and water

- **OneHealth**
  An integrated approach to healthy people, animals and the planet

- **Community-Engaged Research**
  Research collaborations impacting local communities

**Vanguard: The OSU research magazine**

Dr. Arvind Santhanakrishnan, an OSU assistant professor of mechanical and aerospace engineering, investigates the fluid dynamic limits of flight at the tiniest scale of insects less than one millimeter in length. "We can use their wing design and locomotion mechanisms to
Video celebrates faculty excellence

Oklahoma State is a comprehensive research university that is home to a wide breadth of research and scholarship. Produced for Research Week, this video celebrates OSU excellence by showcasing a sampling of faculty in scientific, engineering, artistic, scholarly, and social science fields. 

Fostering dialogue with sovereign nations

by Steven O'Geary, assistant VP, Research Compliance

Fostering dialogue with sovereign tribal nations in Oklahoma is part of a three-fold mission of the university’s Center for Sovereign Nations. To this end, the Center for Sovereign Nations recently joined with the Center for American Indian Studies and the Office of the Vice President for Research to host representatives of three sovereign nations during Research Week. Participating in the third in a series of Sovereignty Speaks® luncheons, representatives from the Cherokee Nation, the Chickasaw Nation, and the Choctaw Nation gathered with OSU faculty, staff, and students for a presentation by Dr. Sohail Khan, co-director of the Cherokee Nation Institutional Review Board (IRB), and Dr. Roger Montgomery, executive director of Cherokee Nation Health, titled Ethical Research in Oklahoma – the Role of Sovereign Tribal Nation IRBs.

RESEARCH NEWS

A group of OSU geology students spent part of last summer traveling in the African country of Malawi with department head Dr. Estella Atekwana and faculty member Dr. Daniel Laó-Dávila collecting data on the East African Rift where two tectonic plates are colliding. The students, both undergraduate and graduate, were amazed by the geology and culture of Malawi.

Recently, PBS NewsHour Weekend visited OSU to do a TV news segment on the university’s unmanned aerial vehicle program and a recent NFS grant to develop small UAVs to improve meteorology and forecasting. Faculty members and students were interviewed for the story.

Two OSU professors have been awarded 2016 NSF CAREER awards, which are granted to early career scientists. Dr. Yolanda Vasquez, chemistry, and Dr. Xiaoliang Jin, mechanical and aerospace engineering, were named recipients of the award. They were selected based on innovative research...
It's never too earlier to get kids hooked on supercomputers

by Jamie Hadwin, HPCC project coordinator

OSU High Power Computing Center Director Dr. Dana Brunson recently took on one of her biggest challenges to date. She had to explain the field of supercomputing to a classroom of preschoolers.

Cynthia Francisco, who works in the OSU mathematics department along with her husband, Chris, was familiar with Brunson’s work with the OSU HPCC. Francisco’s son is a student at First Presbyterian Preschool in Stillwater.

“My son’s class had people coming to talk about their jobs during a ‘Community Helpers’ themed week,” Francisco says. “A nurse and a policeman came. Dana’s work also helps the community, and I knew she had hands-on props the kids would like, so I invited her.” Read More

Science Café OSU

A very special Science Café OSU Thursday, March 10, features OSU faculty and students from Stillwater's Richmond Elementary who will celebrate the monarch butterfly. Drs. Kristen Baum and Mark Fishbein will talk about the monarch while 5th graders from Richmond will perform original music inspired by their research. The program begins at 6:30 pm at Stillwater Public Library. Learn More

FEATURED EVENT

March 21-26

OkState Water Week: An annual series of events organized by the Oklahoma Water Resources Center on
Faculty Conversations are a collection of videos of OSU faculty talking about their research. The videos represent a wide cross section of disciplines and novel research projects. Visit the OSU Research website to see the Faculty Conversations collection, including a video featuring Dr. Larry Mullins, professor of psychology, describing research into child and family adjustment to pediatric chronic illness.

the OSU campus, includes reviews of water projects, tours, competitions, lectures and a day dedicated to students, the Student Water Conference March 24. Learn More ➤

Each month In Focus features an event. To nominate an event for possible inclusion email details to vpr@okstate.edu.

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