February 2016

A week-long celebration of research and scholarship at OSU

It is amazing how the research activity at Oklahoma State University is so wide-ranging and diverse. From physical, natural and social sciences to engineering, arts and humanities – it’s all included in the OSU research portfolio. That’s why Research Week 2016 is so exciting. Symposia, renowned guest lecturers, student research presentations and competitions, musical performances, art exhibits, and a special series of faculty panels all focus a spotlight on the range of scientific, scholarly, and creative research taking place at OSU. This issue of In Focus is dedicated to Research Week and highlights just a few of the events taking place. I encourage everyone—faculty, staff, and students—to attend events in unfamiliar disciplines to truly appreciate the breadth of research at Oklahoma State.

Kenneth W. Sewell, Vice President for Research
Vanguard is now available. The issue includes a wide variety of stories representing research and scholarship at OSU, including the cover story about Amber Anderson, a member of the Cherokee Nation who says undergraduate research impacted her career. Also, read a profile of Vice President for Research Kenneth Sewell to learn how his academic journey led him to OSU. Read Vanguard online or email to request a print copy.

Research Week introduces VPR Panel Series
Vice President for Research Kenneth Sewell has introduced a series of panel discussions featuring OSU faculty, which will be a highlight of Research Week 2016. The panels offer a look at the amazing scope of research and scholarly activity at OSU. Each panel takes place at 10 am in the Jones Conference Room of the ConocoPhillips Alumni Center. Use links below to see faculty panelists.

Kickoff Panel
Monday, Feb. 15
The opening panel, moderated by VPR Kenneth Sewell, will highlight the research of university scientists, artists and scholars who exemplify the breadth of work that makes OSU a comprehensive research institution. Sewell will talk about "The Importance of Research Breadth at OSU" to introduce the theme of Research Week 2016.

Powering Oklahoma and the Nation
Wednesday, Feb. 17
Energy is one of the most important industries in Oklahoma and the nation, while the availability and quality of food and water are important to human health and are linked to the energy industry. This panel features OSU research at the nexus of energy, food and water.

OneHealth
Thursday, Feb. 18
OSU is working on multiple, collaborative fronts through health and environmentally related disciplines to optimize the health of people, animals, and the environment on local, national, and global levels

Community-Engaged Research
Friday, Feb. 19
Community outreach represents a core component of OSU’s mission. Beyond the typical community service and extension types of outreach, community-engaged research creates unique collaborations between researchers and communities to address specific problems.

Students shine in the Research Week spotlight
Presentations by undergraduate and graduate students demonstrating their research and competing in events testing presentation skills are an important part of Research Week. Below are links to events featuring student work:

Monday, Feb. 15
- 27th Annual OSU Research Symposium

Tuesday, Feb. 16
- 27th Annual OSU Research Symposium (continued)
- FAPC Research Symposium
- Arts & Sciences Three Minute Thesis for undergraduates, preliminaries

Wednesday, Feb. 17
- Center for Health Systems Innovation Research Presentations

Thursday, Feb. 18
- Sociology Research Symposium
- OSU in Tulsa Research Day: Three Minute Thesis and Oral Presentations
- College of Education Research Spotlight
- Arts & Sciences Three Minute Thesis for undergraduates, finals
Celebrate the arts during Research Week

At OSU, research not only means scientific investigation. It also includes scholarship in the arts, which is reflected throughout Research Week in musical and theatrical performances and art exhibits. The following events remind us how scientific and artistic creativity go hand in hand.

Research Week Art Contest
Student works of art entered in the Research Week Art Contest are on display in the Gardiner Art Gallery in the Bartlett Center for the Visual Arts on the OSU campus.

OSU Museum of Art featured exhibits
The OSU Museum of Art hosts the exhibits Angie Piehl: Feral Beauty and Opulent Decay and Richard Tuttle: A Print Retrospective during Research Week. The museum is located in the university's Postal Plaza Gallery, 720 S. Husband Street in downtown Stillwater.

Guest artist recital
Tom Hooten, trumpet, and Rebecca Wilt, piano, perform as guest artists Monday, Feb. 15, at 7:30 pm in the Seretean Center Concert Hall.

OSU Wind Ensemble concert
The OSU Wind Ensemble performs Thursday, Feb. 18, at 7:30 pm in the Seretean Center Concert Hall.

Almost, Maine
The theatre production Almost, Maine will be staged Feb. 18-20 at 7:30 pm and on Feb. 21 at 2:30 pm in the Vivia Locke Theatre in the Seretean Center.

Program examines the role of tribal IRBs in conducting ethical research

The Center for Sovereign Nations and the Center for American Indian Studies are sponsoring a luncheon and program during Research Week, Feb. 18, from noon until 1:00 pm in Room 280 of the Student Union. The program, Sovereignty Speaks© Session #3: Ethical Research in Oklahoma – the Role of Sovereign Tribal Nation IRBs, focuses on sovereign tribal nation institutional review boards. Speakers are Dr. Sohail Khan, co-director of the Cherokee Nation IRB, and Dr. Roger Montgomery, executive director of Cherokee Nation Health. Register by Feb. 11 to attend.

OSU in Tulsa Research Day: Poster Presentations

"Try This Out: An Interactive Look into Life Science Research"

Science Café OSU Research Week

A special Research Week edition of Science Café OSU takes place Tuesday, Feb. 16 with the program "New Advances in Tissue Engineering and Regenerative Medicine" featuring Drs. Heather Fahlenkamp and James E. Smay. The two OSU scientists will talk about their ground-breaking biomedical research.

OSU Library recognizes authors and their work

The OSU Library honors OSU employees and students who have authored, co-authored or edited a book or published a creative work such as musical composition, art exhibit catalog or audio recording in the past two years. The event Celebrating Books by OSU Authors recognizes and honors the achievements of these individuals, encourages academic dialogue and ensures that works by OSU authors are available to the university community by being added to the OSU Library’s collection. This year’s come-and-go event takes place
Guest lectures that bring nationally- and internally-known researchers to OSU are a much-anticipated part of Research Week. Below is a list of lectures and presenters:

**Monday, Feb. 15**

*Women’s Faculty Council Lecture*

“Mindsets Matter For Female Leaders: The Role Of Leadership Efficacy And Growth Mindsets In Buffering Against Identity Threat” by Dr. Crystal Hoyt, University of Richmond

**Tuesday, Feb. 16**

*FAPC Research Symposium*

Keynote: “Application of Natural Antimicrobials in Food: Food Industry User Perspective” by Dr. Jairus David, ConAgra Foods

*The Kamm Lecture in Higher Education*

“Rethinking Higher Education Leadership: For the Private and Public Good” by Dr. Susan Komives, University of Maryland

**Wednesday, Feb. 17**

*Sigma Xi Young Investigator Lecture*

Dr. Gopan Krishnan, OSU Department of Chemistry and Young Investigator Award recipient, will present his group’s research on novel clinical biosensors and microarrays and biological electrocatalysis for green synthesis and biosensing applications.

*Sociology Bradford Gray Lecture*

The inaugural Bradford Gray Lecture, “The Sociological Perspective: A Look at Disasters of our Time from Buffalo Creek to Katrina,” will be presented by Dr. Kai T. Erikson, Yale University

*First Annual Kerr Lecture in Biomedical Science*

“CaMKK2 as an Integral Mediator of Inflammatory Disorders” by Dr. Anthony R. Means, Baylor College of Medicine

**Thursday, Feb. 18**

*Arts and Humanities Speaker Series Lecture*

“Enaction and Meaning Making” by Prof. Bruce McConachie

**Friday, Feb. 19**

*OSU in Tulsa Research Day*

Keynote: “Toxicant-Induced Epigenetic Alterations In Children: Causes And Effects” by Dr. Rebecca C. Fry, University of North Carolina in Chapel Hill

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**Other Research Week events of note**

*Fulbright Information Sessions*

Tuesday, Feb. 16 (two sessions)
Wednesday, Feb. 17
Thursday, Feb. 18

*RODEO: “Research on the Dialects of English in Oklahoma”*

Wednesday, Feb. 17

*Making Your Research Impactful with ORCID, Altmetric and Web of Science*

Thursday, Feb. 18

Visit the Research Week 2016 website for a complete schedule of events.