WISER
Newsletter

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WISER: Women in Science, Engineering, and Research

The WISE@OU program has been sustained by the university and is becoming WISER — Women in Science, Engineering, and Research. We are broadening our impact and programming across more disciplines on campus. The program has transitioned into the Office of Research Administration. Dr. David Stone is working closely with the WISE@OU leadership team to continue career development initiatives and support for faculty of all ranks. If you would like to share news or have any questions about WISER, contact Leanne DeVreugd at ldevreug@oakland.edu.

Upcoming Events

RSVP on the CETL website: oakland.edu/cetl/faculty-development/workshops

- **Setting Mid-Career Goals — Tuesday, January 17.** In 200A Elliott Hall at noon until 1:30 p.m.
  Join WISER for strategies on how to set goals for your academic career. Jo Reger and Jay Meehan will share best practices to help you create goals that fit your strengths and career path. The focus of this workshop is for mid-career faculty, with an emphasis on organizing your research agenda, teaching opportunities, and service contributions. This workshop is open to faculty from all disciplines. Lunch provided by CETL.

- **Research Positioning: Learning What It Takes to Be Competitive for External Funding — Wednesday January 18.** In 200A Elliott Hall at noon until 1:30 p.m. Led by David Stone from the Office of Research Administration. He will discuss the basics of positioning yourself as a scholar, a researcher, and a grant writer. He will also explain how to use the Positioning Self-Assessment Form and how to think about developing a long-term research agenda. Lunch provided by CETL.

- **The Ins and Outs of Data Management — Wednesday January 25.** In 200A Elliott Hall at noon until 1:30 p.m. Led by David Stone from the Office of Research Administration and Joanna Thielen from Kresge Library. This workshop will address data management in teaching and research, federal requirements for data management, and introduce ORCID (Open Researcher and Contributor ID). Registering for a free ORCID account gives the researcher a unique alphanumeric code that can distinguish their work from other researchers. Using an ORCID account is an easy way to create an online CV and raise the profile of research. Lunch provided by CETL.

- **Getting a Foundation to Fund Your Research — Wednesday February 1**. In 200A Elliott Hall at noon until 1:30 p.m. Led by David Stone and Adeline Gonzales from the Office of Research Administration. This workshop will detail the search process, finding the right fit, and establishing personal connections in foundation relations. Lunch provided by CETL.

- **Working with Your Teaching Assistant — Wednesday March 29.** In 200A Elliott Hall at noon until 1:30 p.m. Kathy Moore and Keith Williams will share tips and best practices for working with teaching assistants. Lunch provided by CETL.

If you are unable to attend, please note that workshop recordings are on our OU Resources page, under Videos. oakland.edu/advance/resources/ouresources

Recent Research Grant Awardees

Mary Jamieson (Biological Sciences) received one of the inaugural New Innovators in Food and Agriculture Research Award from the Foundation for Food and Agriculture Research (FFAR). Her research efforts explore how insect pollinators and pests influence crop yield in urban agriculture. She will receive $210,618 over the next five years from FFAR, with a 1:1 match from Oakland University for a total award of $421,236. Find out more on the **OU News website**.

Mary Jamieson (photo from OU News)

David Szlag (Chemistry) received a $158,314 grant from the Michigan Department of Environmental Quality. His project is titled "Practical Early Detection of Harmful Algal Blooms and Toxins Using Emerging Technologies." Many genera of cyanobacteria produce cyanotoxins, a diverse group of chemicals harmful to human health. The goal of his research is to develop a cost-effective monitoring framework which incorporates emerging technologies.

Peng Zhao (Mechanical Engineering) was awarded a $220,825 grant from the DOE, in collaboration with University of Michigan Dearborn. The project, "MISR: Miniature Ignition Screening Rapid Compression Machine for Kinetic Measurements of Novel Fuels" is supported from May 2017 through April 2020.

Brian Dean (Electrical & Computer Engineering) received $18,500 from Mahindra & Mahindra to support an electric motor initiative. He also received the 2016 SECS Outstanding Teaching Award.

Fabia Battistuzzi (Biological Sciences) was awarded a three-year, $417,286 grant from the NIH to examine the evolution of infectious diseases and explore new drug-based treatments to save lives. She aims to understand how pathogens evolve so better and more effective drug combinations can be created

Fabia Battistuzzi (photo from OU News)

to combat diseases. According to Dr. Battistuzzi, this grant also gives students the opportunity to learn how bioinformatics integrates with the biomedical field. More information can be found on the **OU News website**.

Sergey Golovashchenko (Mechanical Engineering) received an $83,000 grant from DOE/PNNL for his project "Enhance sheared edge stretchability of AHSS/UHSS through Integrated Manufacturing Process." He was awarded $80,000 from USCAR to develop and demonstrate die wear testing methodology for U-bending sheet metal samples. Funding of $70,000 from Ford Motor Company supports Dr. Golovashchenko's testing of die wear for UHSS. He also has $30,000 from Fiat Chrysler Automotive to develop aluminum draw-bead pulling technique.

Junior STEM faculty who were awarded $10,000 URC Faculty Research Fellowships for summer 2017 include:

Luis Villa Diaz (Biological Sciences)
Ziming Yang (Chemistry)
Wei Zhang (Physics)
Ali Arefifar (Electrical & Computer Engineering)
Shadi Alawneh (Electical & Computer Engineering)
Megan Conrad (Industrial & Systems Engineering)
Jonathan Maisonneuve (Mechanical Engineering)

NSF Grants Conference Webcast

The **Fall 2016 National Science Foundation (NSF) Grants Conference Webcast** is now available on [YouTube](). This webcast is a great way to learn more about: Types of NSF Funding Opportunities, Proposal Preparation, Award Management, the Merit Review Process, the Faculty Early Career Development (CAREER) Program, and more. Presentations are also available on the **conference website**.

Council on Undergraduate Research (CUR) Membership

Oakland University is an now an enhanced member of the Council on Undergraduate Research (CUR). Faculty, administrators, and students may join at no cost to receive important information and opportunities related to undergraduate research. CUR's mission is to support and promote high-quality undergraduate student-faculty collaborative research and scholarship. Read the information below and join today!

To join, please visit: **https://members.cur.org/members_online/members/newmember.asp**. Be sure to select Oakland University from the institutions drop down list. You will receive a confirmation email when your membership is processed. Benefits include access to the CUR Members Only Website, CUR Undergraduate Researchers Registry, and mentor network. You will also receive subscriptions to the CUR journal and newsletter, and discounts on CUR publications and event registration.

Learning Through Research
The Council on Undergraduate Research (CUR) and its affiliated colleges, universities, and individuals share a focus on providing undergraduate research opportunities for faculty and students at all institutions serving undergraduate students. CUR believes that faculty members enhance their teaching and contribution to society by remaining active in research and by involving undergraduates in research, and students succeed in their studies and professional advancement through participation in undergraduate research.

CUR's leadership works with agencies and foundations to enhance research opportunities for faculty and students. CUR provides support for faculty, administrator, and student development. Our publications and outreach activities are designed to share successful models and strategies for establishing and institutionalizing undergraduate research programs. We assist administrators and faculty members in improving and assessing the research environment at their institutions. CUR also provides information ont he importance of undergraduate research to state legislatures, private foundations, government agencies, and the U.S. Congress. CUR welcomes as members faculty, staff, and students from all types of academic institutions.

CUR achieves its vision through efforts of its membership as organized in a divisional structure that includes arts and humanities, biology, chemistry, education engineering, geosciences, health sciences, mathematics and computer science, physics and astronomy, psychology, social sciences, an at-large division that serves administrators and other disciplines, and a division for directors of undergraduate research programs.

The Council on Undergraduate Research, founded in 1978, is a national organization of individual and institutional members representing over 900 colleges and universities.