

RESEARCH + INNOVATION

NEWSLETTER

Development of innovative drug detection technology

UofM's Lindner receives patent for electrochemical sensor technology for measuring drug concentrations.

[Read Full Story](#)

Graphic design and scientific research

Researchers use both to promote smoking cessation through pictorial health warnings.

[Read Full Story](#)

EVs, charging stations, and cyber security

Research by UofM faculty Ali will focus on charging station cyber-attack impacts and solutions.

[Read Full Story](#)

Aerodynamics, renewable energy and engineering

Lasiecka's NSF project seeks to suppress turbulence and flutter for wide-ranging applications.

[Read Full Story](#)

UofM and IAMPE sign academic partnership

MOU outlines their working together on professional development for the maritime and port industry.

[Read Full Story](#)

Researcher given highest honor in field of study

Psychology's Whelan receives 2022 ICRG Scientific Achievement Award for outstanding contributions.

[Read Full Story](#)

Humanity, agtech, energy health, and blockchain

FedEx Institute of Technology's talk series bring world-class speakers to the UofM on issues related to tech.

[Read Full Story](#)

Using machine learning to fight cyber attackers

FRONTIERS projects highlight ways to detect attacks stealing data and performing disruptive operations.

[Read Full Story](#)

STEM education in underrepresented groups

COE assistant dean building on NSF's commitment to enhancing STEM education and research.

[Read Full Story](#)

Microsoft + FedEx bringing second event to Memphis

The FedEx Institute of Technology will host another day-long seminar in Memphis with technology experts.

[Read Full Story](#)

Call for NSF research instrumentation program

Preliminary competition for limited submission instrumentation grant opportunity - submit by October 15.

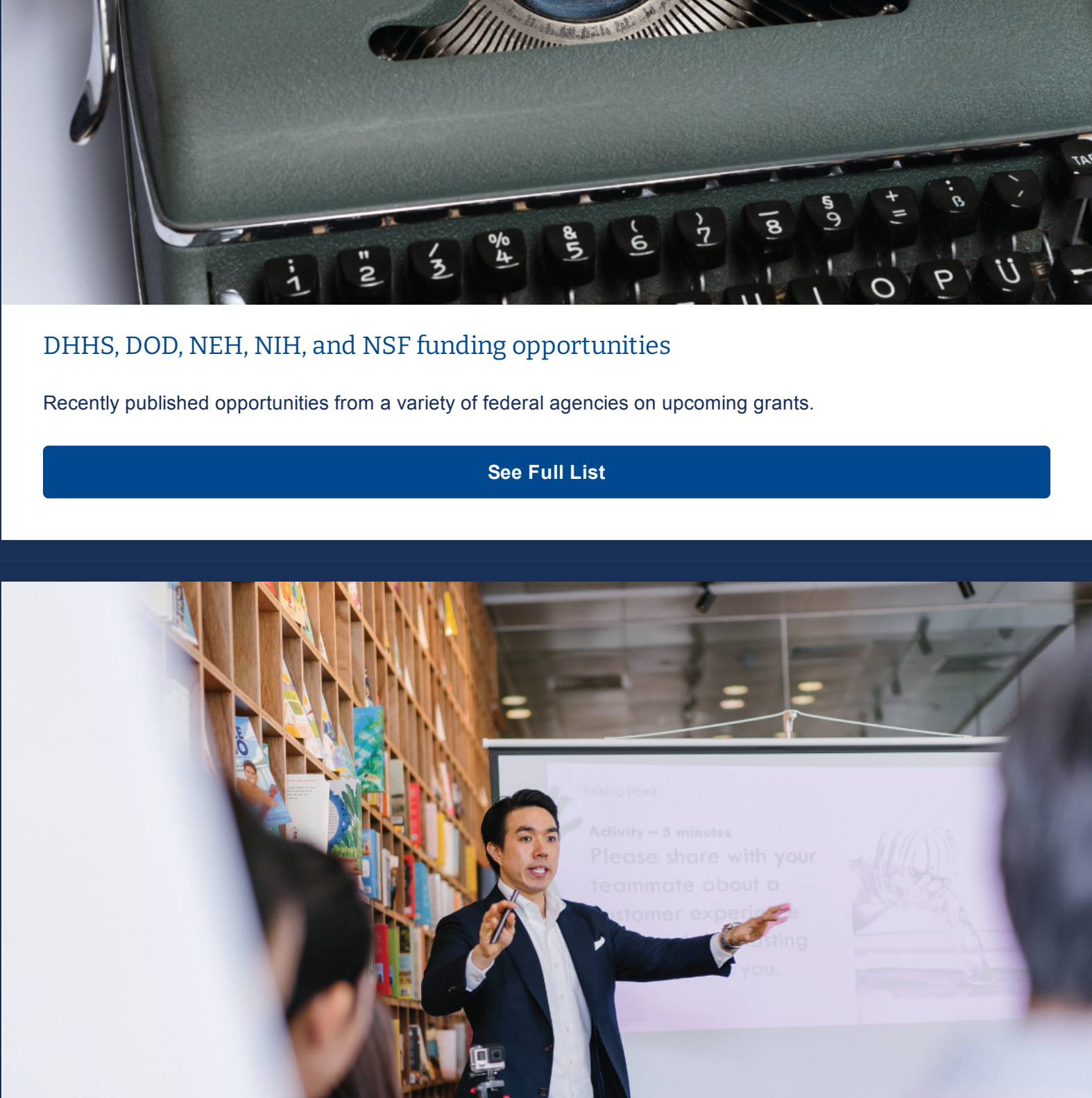
[Read Full Story](#)



Federal instrumentation grants workshop

Research & Innovation and Tn Consulting offer a workshop on federal instrumentation grants.

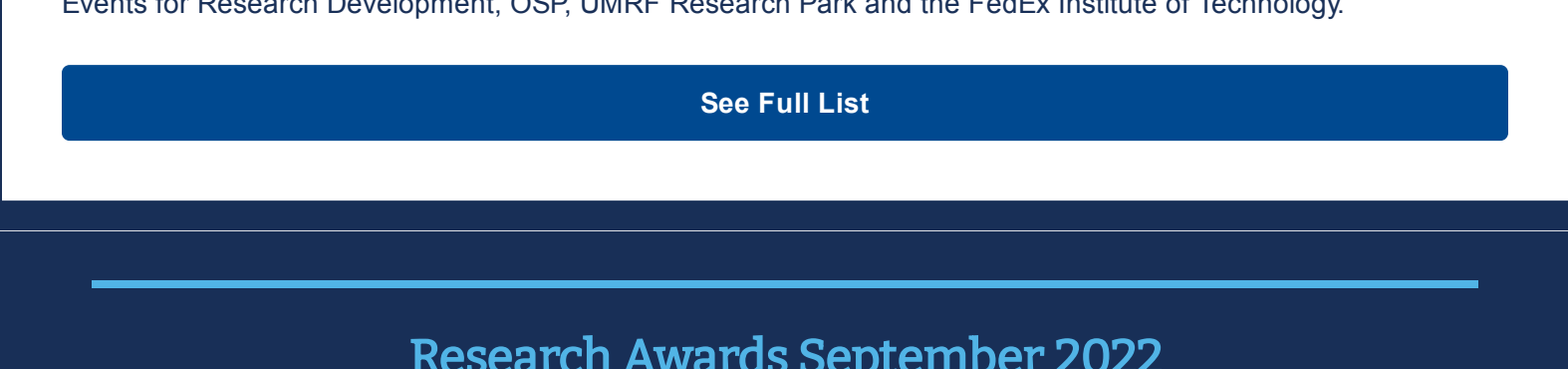
[Learn More](#)



DHHS, DOD, NEH, NIH, and NSF funding opportunities

Recently published opportunities from a variety of federal agencies on upcoming grants.

[See Full List](#)



Calendar of Events

October 2022

Events for Research Development, OSP, UMRF Research Park and the FedEx Institute of Technology.

[See Full List](#)

Research Awards September 2022

Dr. Gary Emmert awarded \$1,242,933 from the Memphis and Shelby Crime Commission, and \$44,179 from the U.S. Geological Survey.

Dr. Shahram Pezeshk awarded \$1,000,000 from the Tennessee Department of Transportation.

Dr. Christos Papadopoulos awarded \$871,098 from the National Science Foundation.

Dr. Laura Casey awarded \$861,072 from the Tennessee Department of Intellectual and Developmental Disabilities with the U.S. Department of Health and Human Services.

Dr. Jennifer Mandel awarded \$811,531 from the National Science Foundation.

Dr. Brian Waldron awarded \$598,000 from the Tennessee Department of Agriculture.

Dr. Brandt Pence awarded \$414,136 from the National Institutes of Health.

Dr. Claudio Meier awarded \$337,975 from the Tennessee Department of Transportation.

Dr. Qianyi Cheng awarded \$327,646 from the National Institutes of Health.

Dr. Stephanie Ivey awarded \$318,455 from Federal Railroad Association.

Dr. Kathryn Howell awarded \$203,606 from the University of Notre Dame with the National Institutes of Health.

Dr. Jasbir Dhalliwal awarded \$200,000 from Epicenter Memphis.

Dr. Daniel Foti awarded \$149,892 from the U.S. Department of Energy.

Dr. Xinhua Yu awarded \$85,221 from the University of Tennessee Health Science Center with the U.S. Department of Defense.

Dr. Brian Meredith awarded \$61,875 from the Tennessee Higher Education Commission.

Dr. Mark Gillenson awarded \$61,875 from the Tennessee Higher Education Commission.

Dr. Marie van der Merwe awarded \$45,590 from Compound Solutions.

Dr. Mohammed Yeasin awarded \$43,243 from Indiana University with the National Institutes of Health.

Dr. William Jackson awarded \$34,952 from the U.S. Geological Survey.

Dr. Anna Falkner awarded \$30,322 from Illinois State University with the Library of Congress.

Dr. Lindsey Feldman awarded \$26,798 from Innovate Memphis.

Dr. Madhusudhanan Balasubramanian awarded \$26,552 from Alion Science and Technology with the Department of Homeland Security.

Dr. Xiangen Hu awarded \$25,000 from the American Institutes for Research.

Dr. Shawn Brown awarded \$23,757 from Mississippi State University with the Mississippi Soybean Promotion Board.

Dr. Gina Tillis awarded \$20,000 from the University of Southern California with the Spencer Foundation.

Dr. Carolyn Kaldon awarded \$19,475 from Battelle.

Dr. Deepak Venugopal awarded \$16,000 from the National Institutes of Health.

Dr. Meredith Ray awarded \$13,581 from the Research Foundation of CUNY with the National Institutes of Health.

Dr. Alexandra Golden awarded \$11,500 from the Society for Research in Child Development.

Dr. James McCutcheon awarded \$11,473 from the City of Memphis Police Department with the U.S. Department of Justice.

Dr. Caitlin Porter awarded \$9,000 from the Society of Industrial and Organizational Psychology.

Dr. Bentuo Zheng awarded \$8,400 from the Simons Foundation.

Dr. Nichelle Robinson awarded \$8,333 from the University of Florida with the U.S. Department of Education.

Dr. Joel Bumgardner awarded \$1,500 from Karamedica.

* Data reported the 18th of each month. Awards finalized after the 18th will be reported the following month.

Full project and award details available [here](#).

Upcoming Events



Join us as we welcome

Dr. Per Peterson

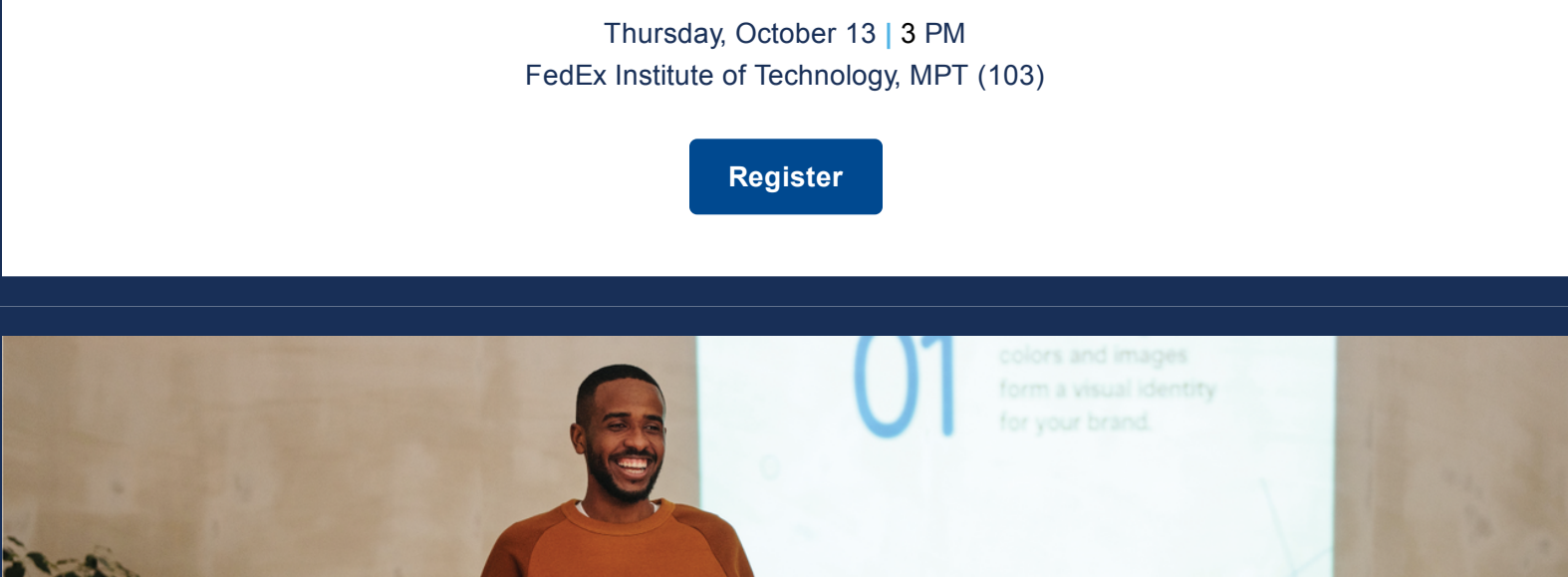
Professor at UC Berkeley and CEO and Founder of Kairos Power

The ENDEAVOR Research Cluster initiative within the UofM FedEx Institute of Technology focuses on research in the energy, defense, and AgTech industries. In 2022-23, the institute will host a speaker series that will feature industry subject experts in these areas.

Wednesday, October 5 | 3 PM

ZOOM

[Register](#) | [Learn More](#)



Join us as we welcome

Dr. Anthony Chemero

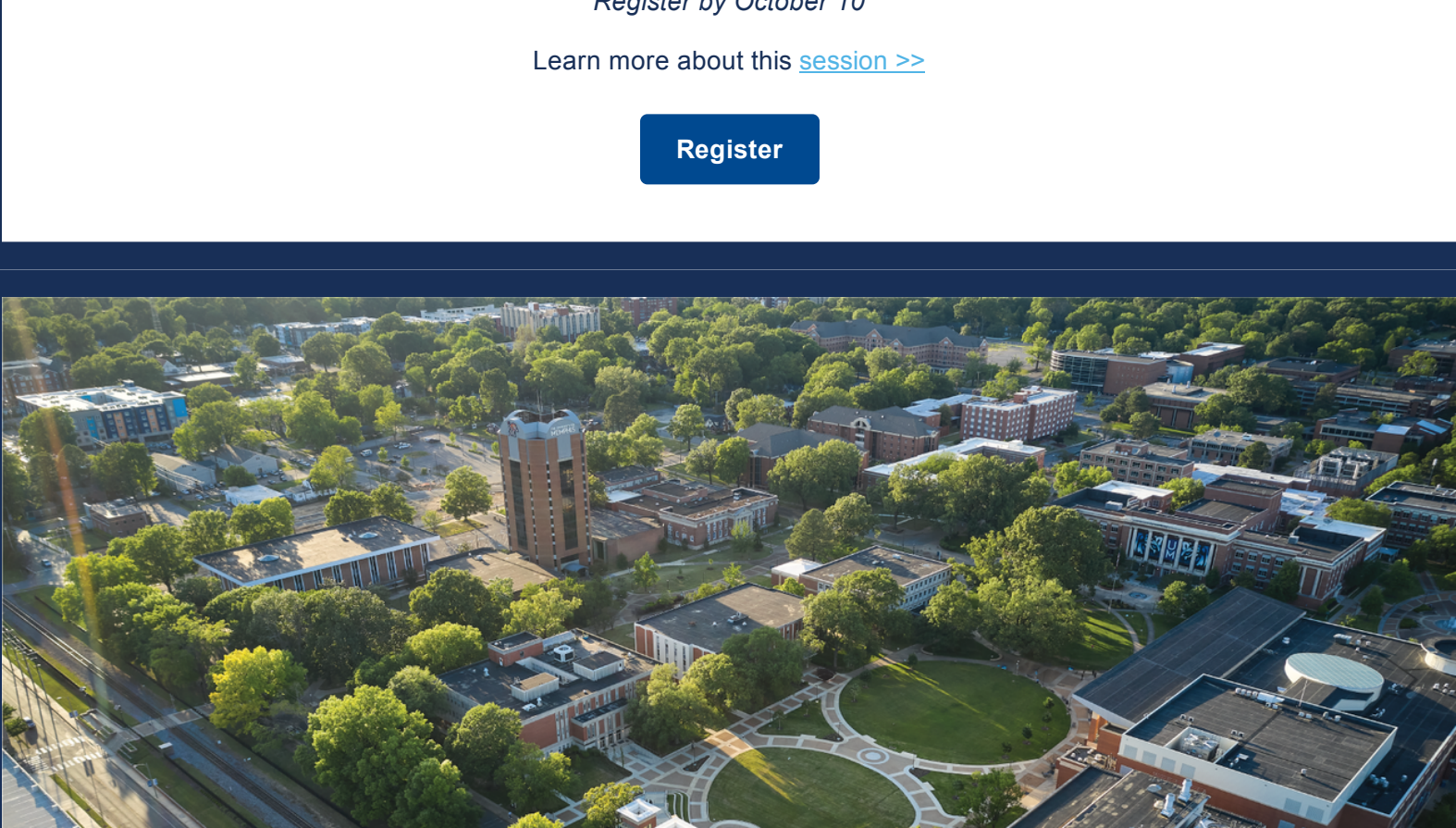
University Distinguished Research Professor of Philosophy and Psychology University of Cincinnati

The UofM FedEx Institute of Technology's *Technology Serving Humanity Speaker Series* welcomes Dr. Chemero for his talk "Do smart devices make us less smart?"

Thursday, October 13 | 3 PM

FedEx Institute of Technology, MPT (103)

[Register](#)



Research Leadership Professional Development Series

Join the Herff College of Engineering, College of Arts & Sciences, College of Education, and the Division of Research & Innovation as we host the next session of the 2022-23 Research Leadership Professional Development Series. The October session focuses on emotional intelligence (EQ) and diversity, equity, and inclusion (DEI).

Thursday, October 13 | 3-4:30 PM

Location TBD

[Register by October 10](#)

Learn more about this [session >>](#)

[Register](#)



Research Compliance Training Opportunities

The Division of Research & Innovation Office of Research Compliance offers training both individually as well as classroom instruction for groups.

Through [CITIprogram.org](#), the UofM makes the following compliance courses available to you:

- Conflicts of Interest, required for receiving sponsored funding
- Human Subjects Research, required for research with human subjects
- Health Information Privacy and Security, recommended for working with Patient Health Information
- Export Controls, recommended for international travelers and researchers securing sensitive data
- Responsible Conduct of Research, recommended for all researchers, required for post docs and graduate students on NSF-funded projects
- Good Clinical Practice, required for all NIH-funded clinical investigators and clinical trial staff who are involved in the design, conduct, oversight, or management of clinical trials.
- Laboratory Animal Research, recommended for all researchers and staff working with research animals, contains species-specific courses

For more information or to schedule a needs evaluation, contact researchcompliance@memphis.edu.

[Register for CITIprogram](#)



Junior Faculty Retreat

Focusing on All Things Research

The Division of Research & Innovation is pleased to invite our new Junior Faculty colleagues to a half-day deep dive into how Research Compliance, the Office of Sponsored Programs, and Research Development can help you launch your successful research careers at the University of Memphis. Please hold NOON-4:30 p.m. on your calendars for this event. Lunch will be served, and an agenda is forthcoming.

If you can only attend part of this event, please attend any part that you can.

If you have not already received a meeting invite, you can request one at researchcompliance@memphis.edu.

Thursday, November 3 | NOON-4 PM

Quick Links

[Research & Innovation News](#) | [Research Clusters](#)

[Quick Guide to Research & Sponsored Programs](#)

[Research Compliance](#) | [Emerging Tech Training](#)

[FedEx Institute of Technology News](#)

[Subscribe Now](#)

[Previous Newsletters](#)

Manage your preferences | [Opt Out](#) using TrueRemove™

Got this as a forward? [Sign up](#) to receive our future emails.

View this email [online](#).

365 Innovation Drive, Suite 303 | Memphis, TN 38152 US

This email was sent to .

To continue receiving our emails, add us to your address book.

emma

[Subscribe](#) to our email list.