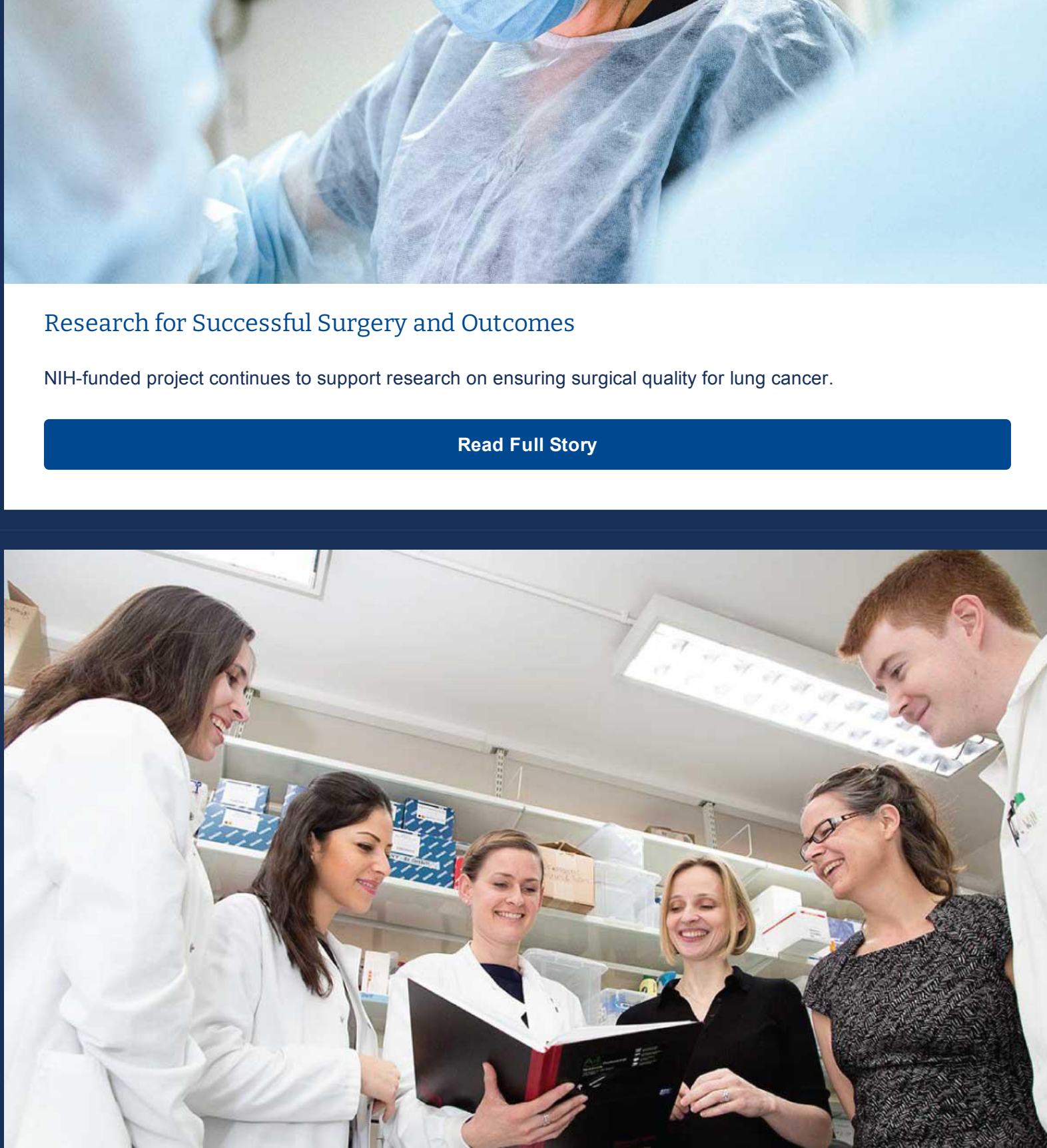




# RESEARCH + INNOVATION

## NEWSLETTER



### Research for Successful Surgery and Outcomes

NIH-funded project continues to support research on ensuring surgical quality for lung cancer.

[Read Full Story](#)



### NSF Faculty Early Career Development Program

Continued achievements with the institution's CAREER cohort-based program.

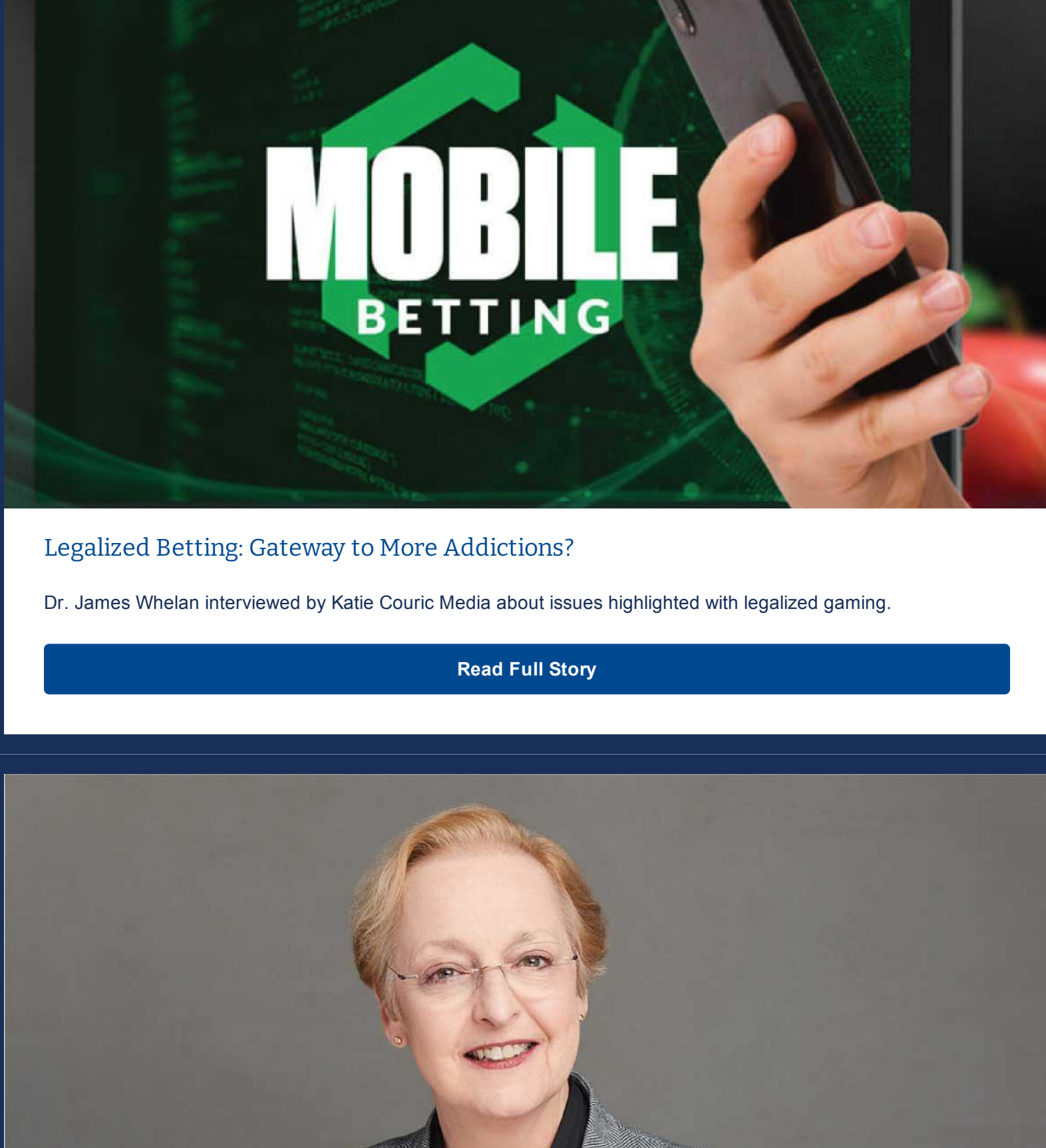
[Read Full Story](#)



### Children's Trauma Resource Option

A new standard of care, pediatric trauma and integrated behavior health.

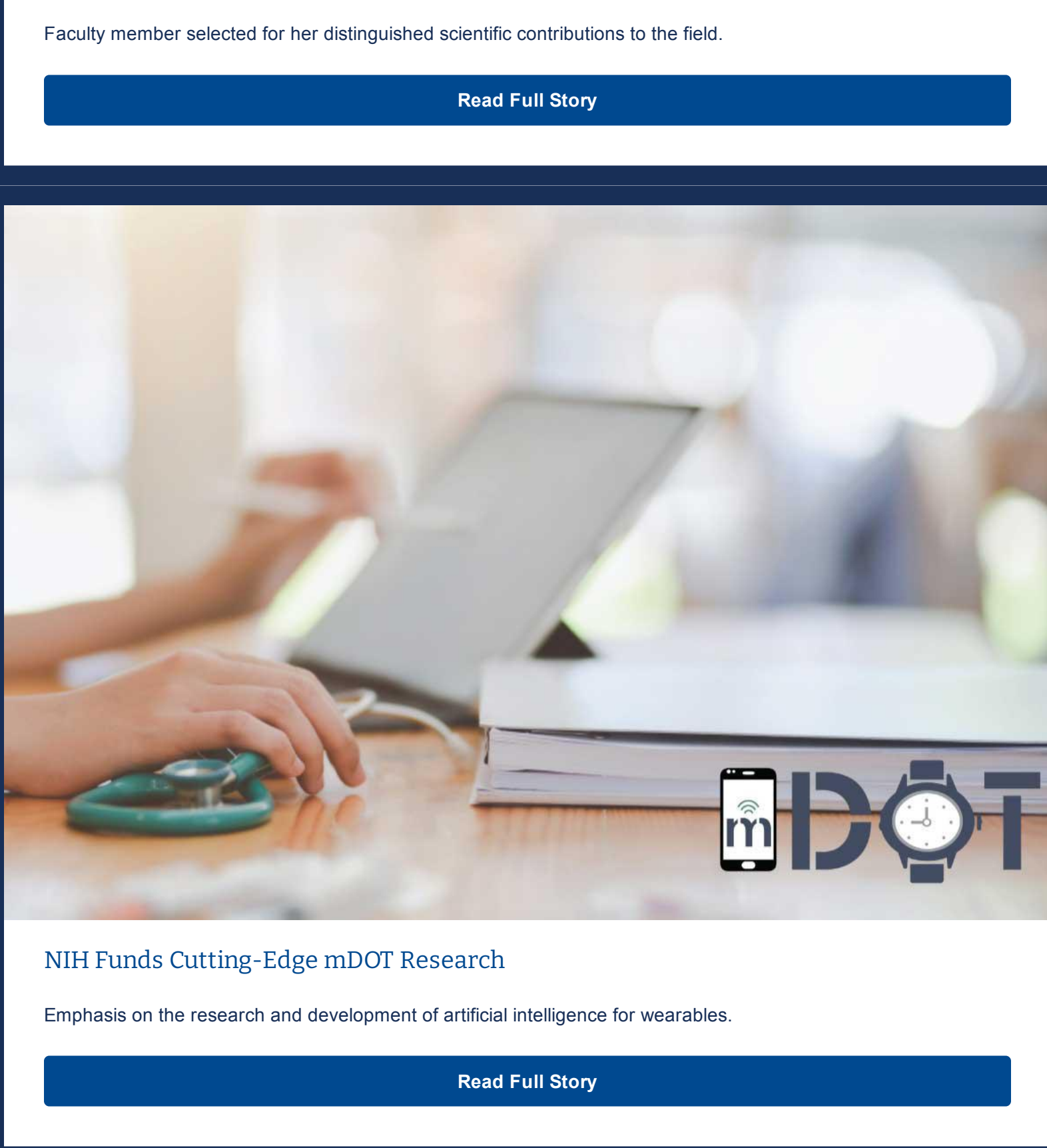
[Read Full Story](#)



### SPH Hosted Harvard-JPB EH Fellowship Workshop

Sessions with federal agency fellows, and UofM, Memphis, Shelby County and community leaders.

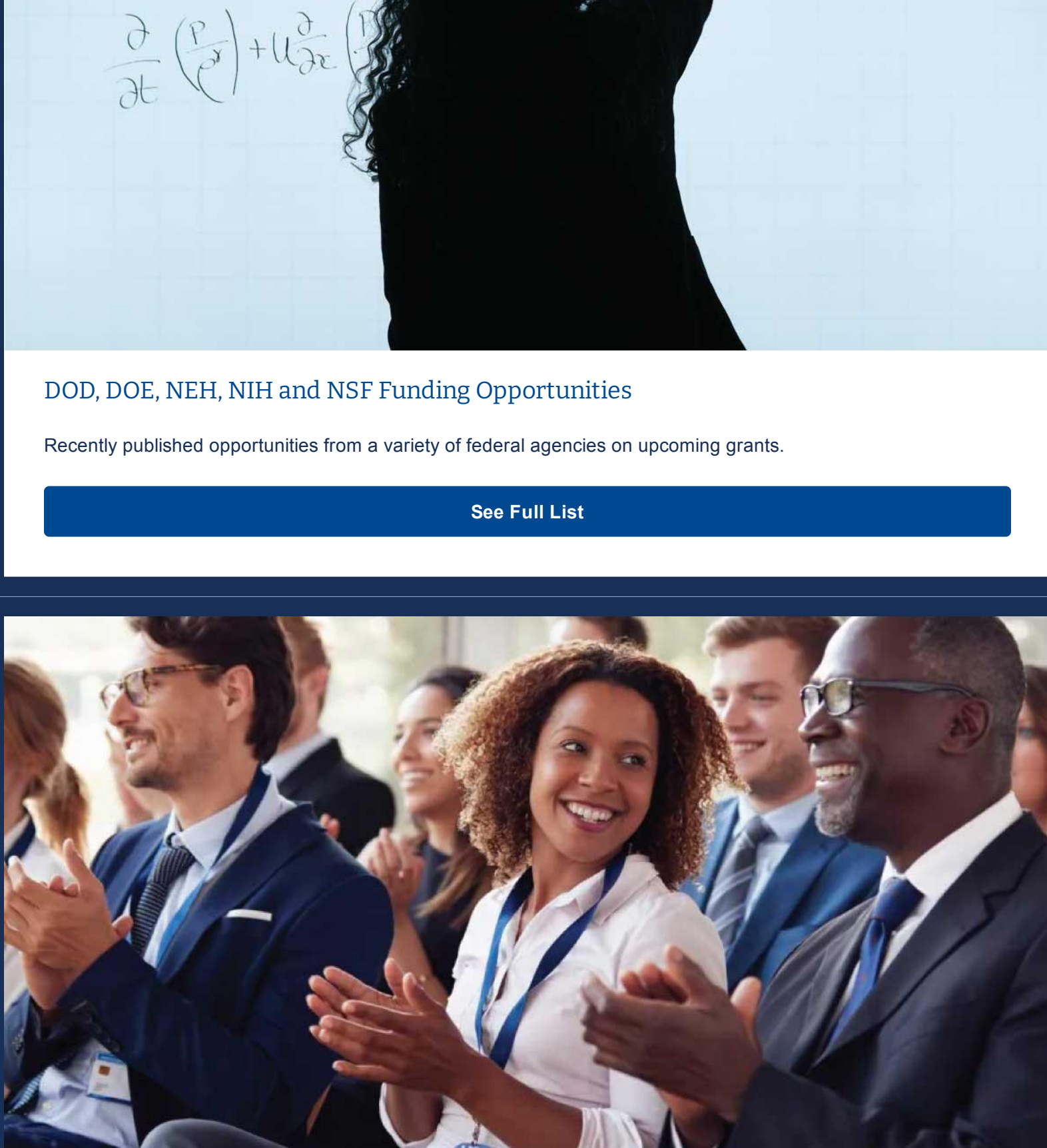
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### Memphis Neuroscience Symposium

Highlighting multiple disciplines in burgeoning field and encourage collaborations.

[Read Full Story](#)



### Legalized Betting: Gateway to More Addictions?

Dr. James Whelan interviewed by Katie Couric Media about issues highlighted with legalized gaming.

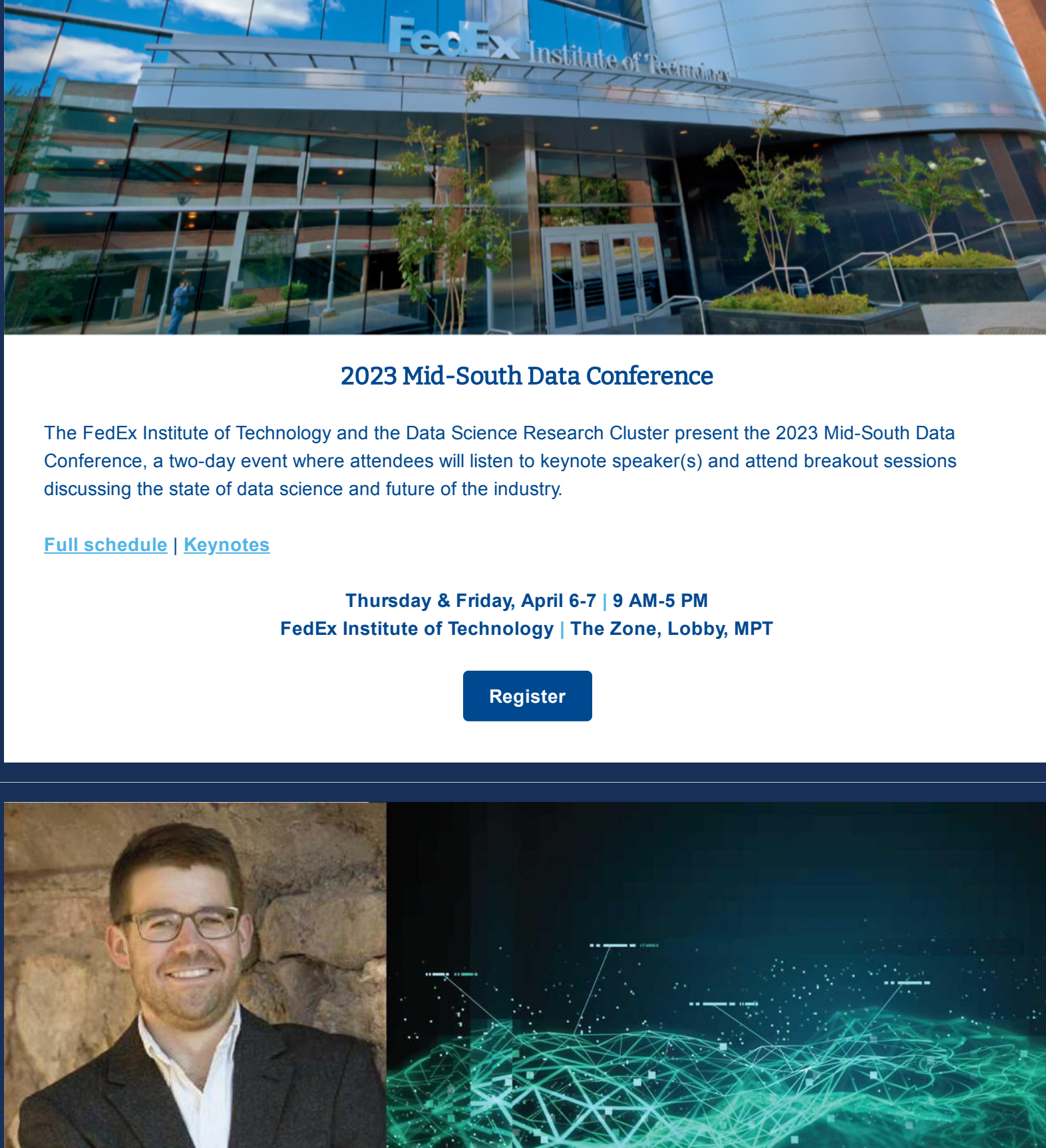
[Read Full Story](#)



### Society of Clinical Psychology Honors Beck

Faculty member selected for her distinguished scientific contributions to the field.

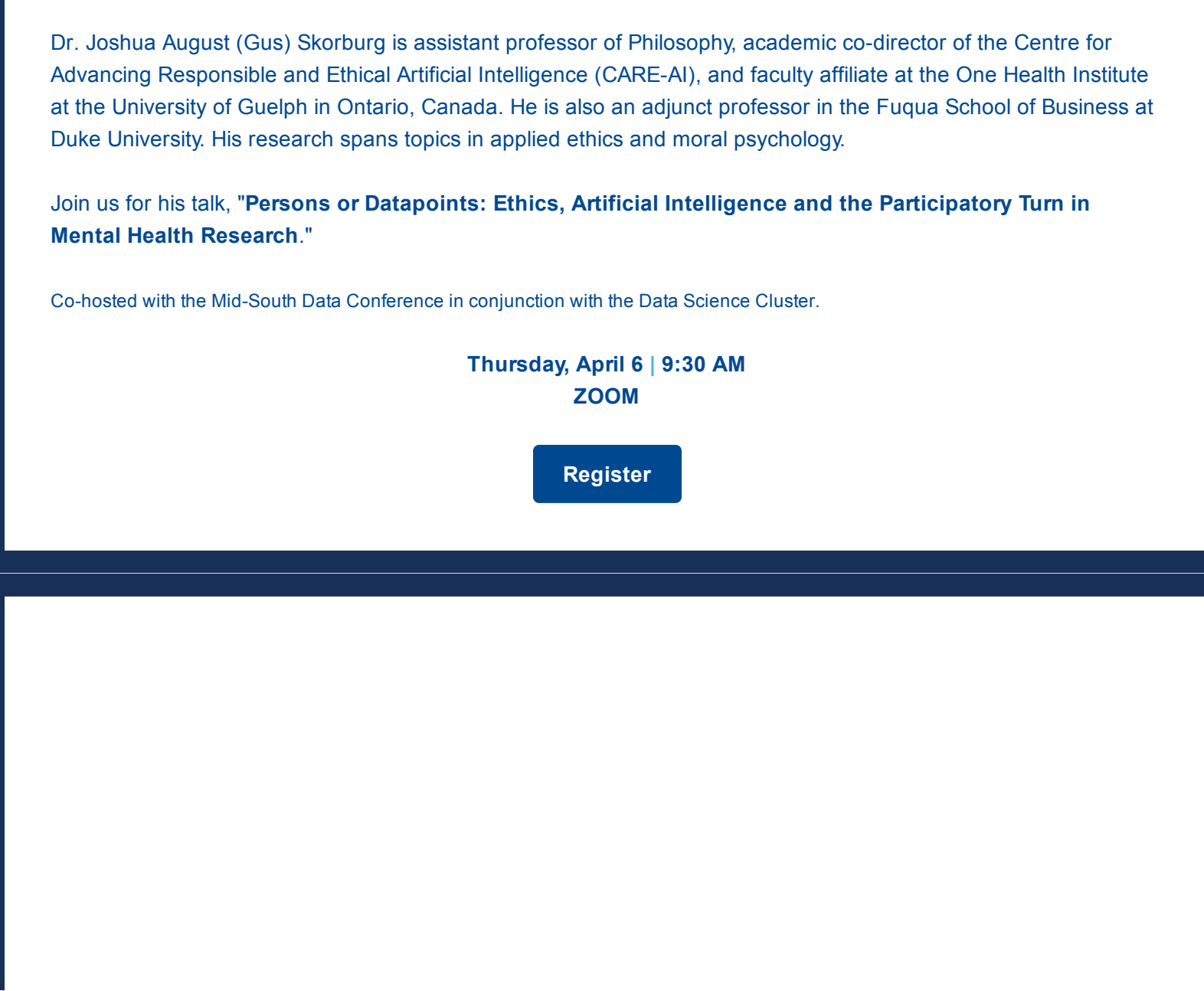
[Read Full Story](#)



### NIH Funds Cutting-Edge mDOT Research

Emphasis on the research and development of artificial intelligence for wearables.

[Read Full Story](#)



### DOD, DOE, NEH, NIH and NSF Funding Opportunities

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

[See Full List](#)



### Calendar of Events March 2023

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

[See Full List](#)

## Research Awards March 2023

Dr. Richard Irwin awarded \$1,896,151 from Workforce Midlands Inc., with the U.S. Economic Development Administration.

Dr. Mitchell Withers awarded \$716,729 from the U.S. Geological Survey.

Dr. Aaryani Tipitnani-Sajja awarded \$609,976 from the National Science Foundation.

Dr. James Murphy awarded \$372,300 from the National Institutes of Health.

Dr. Gregory Washington awarded \$238,569 from the Substance Abuse & Mental Health Services Administration.

Dr. William Thompson awarded \$238,245 from the Tennessee Department of Education.

Dr. Mark LeDoux awarded \$215,250 from the National Institutes of Health.

Dr. Nathan DeYonker awarded \$179,831 from the National Science Foundation.

Dr. Kevin Berisso awarded \$150,000 from GS1 U.S. Incorporated.

Dr. Francisco Muller-Sanchez awarded \$119,128 from Space Telescope Science Institute with the National Aeronautics and Space Administration.

Dr. Santosh Kumar awarded \$114,342 from the National Institutes of Health and \$79,304 from the University of Utah with the National Institutes of Health.

Dr. Latrice Pichon awarded \$107,624 from Vanderbilt University Medical Center with the Center For Disease Control.

Dr. Mihalis Gollas awarded \$99,984 from Florida Atlantic University with the U.S. Department of Transportation.

Dr. Brian Waldron awarded \$43,753 from TN Recycle Environmental Energy Services.

Dr. Lan Wang awarded \$35,047 from Peraton Labs Inc. with Defense Advanced Research Projects Agency.

Dr. James Wesley awarded \$20,000 from the Women's Foundation for a Greater Memphis.

Dr. Laura Casey awarded \$20,180 from the Tennessee Department of Mental Health and Substance Abuse Services with the Substance Abuse & Mental Health Services Administration.

Dr. Ashish Joshi awarded \$19,000 from the Research Foundation of CUNY with The Open Society Foundations.

Dr. Philip Kunz awarded \$10,000 from Pricewaterhouse-Coopers LLP.

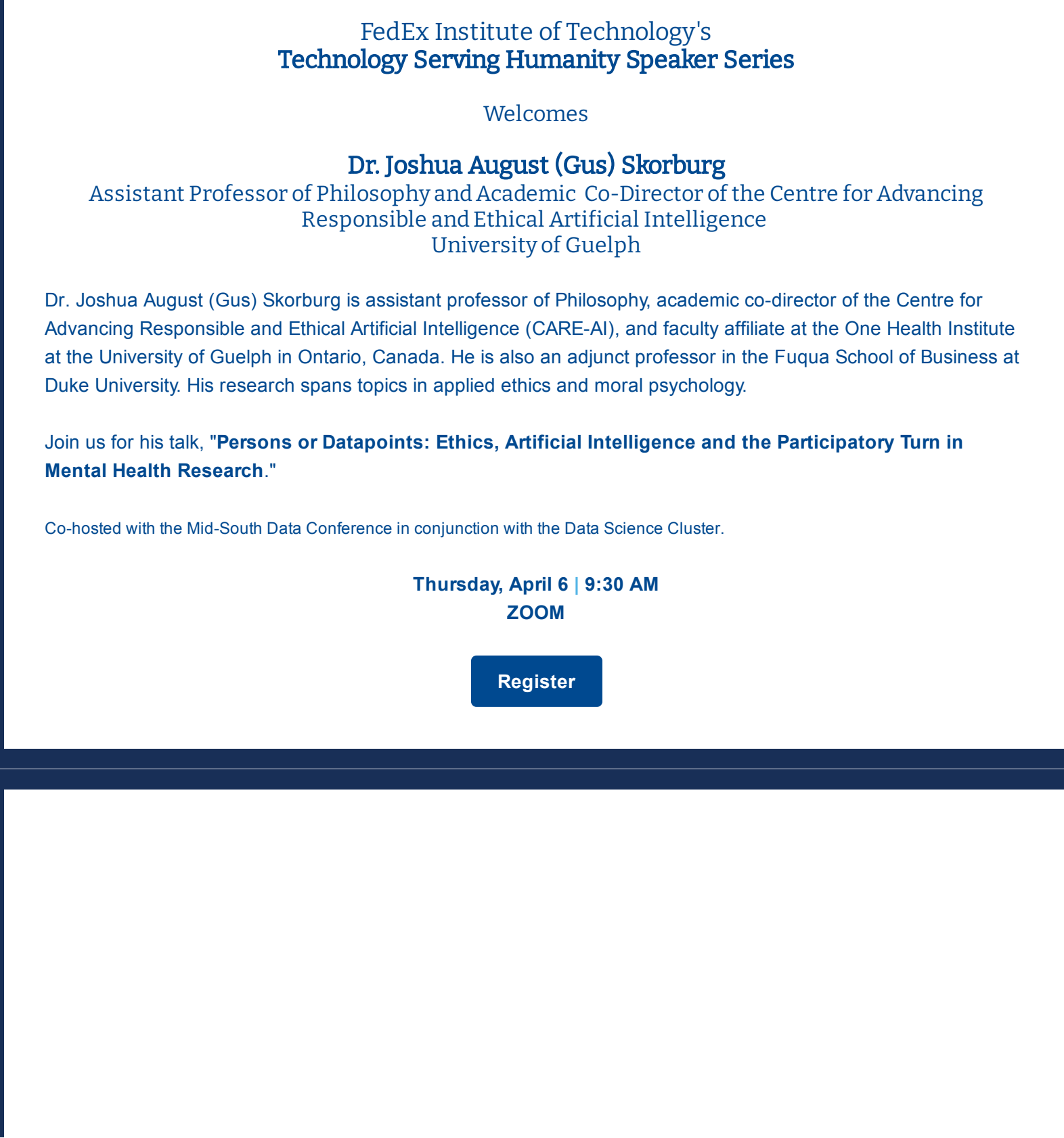
Dr. John Sabatini awarded \$9,500 from the Trustees of Boston College and the International Association for the Evaluation of Education Achievement.

Dr. Mohd Ali awarded \$5,000 from Electric Power Research Institute with the U.S. Department of Energy.

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

Full project and award details available [Research Awards March 2023](#)

## Upcoming Events



### 2023 Mid-South Data Conference

The FedEx Institute of Technology and the Data Science Research Cluster present the 2023 Mid-South Data Conference, a two-day event where attendees will listen to keynote speaker(s) and attend breakout sessions discussing the state of data science and future of the industry.

[Full schedule](#) | [Keynotes](#)

Thursday & Friday, April 6-7 | 9 AM-5 PM  
FedEx Institute of Technology | The Zone, Lobby, MPT

[Register](#)



### FedEx Institute of Technology's Technology Serving Humanity Speaker Series

Welcomes

#### Dr. Joshua August (Gus) Skorburg

Assistant Professor of Philosophy and Academic Co-Director of the Centre for Advancing Responsible and Ethical Artificial Intelligence  
University of Guelph

Dr. Joshua August (Gus) Skorburg is assistant professor of Philosophy, academic co-director of the Centre for Advancing Responsible and Ethical Artificial Intelligence (CARE-AI), and faculty affiliate at the One Health Institute at the University of Guelph in Ontario, Canada. He is also an adjunct professor in the Fuqua School of Business at Duke University. His research spans topics in applied ethics and moral psychology.

Join us for his talk, **"Persons or Datapoints: Ethics, Artificial Intelligence and the Participatory Turn in Mental Health Research."**

Co-hosted with the Mid-South Data Conference in conjunction with the Data Science Cluster.

Thursday, April 6 | 9:30 AM  
ZOOM

[Register](#)





## Office of Technology Transfer Intellectual Property Workshop

Protect your research. Your invention is only as good as the patent that protects it.

Join us as we outline and review the intellectual property protection process, discuss the Invention Disclosure Form and gain valuable insight about patent law and the fundamental aspects of intellectual property. Lunch will be provided for this free workshop.

**Thursday, April 6 | 11:30 AM**  
**FedEx Institute of Technology | Innovation Classroom (225)**

[Register](#)

# RESEARCH CELEBRATION

You are invited to the  
**2023 Research Celebration**

Highlighting research achievements;  
Honoring first-time PIs and new PI Millionaires

Join us as we recognize new and millionaire principal investigators, research professorships, book publications, accomplishments over the last year, as well as present the Arthur C. Graesser Presidential Award for Lifetime Achievement in Research.

[Read full program here >>](#)

**Thursday, April 6 | 2:30 PM**  
**Maxine A. Smith University Center | River Room (UC 300)**

[RSVP](#)



## Systems Testing Excellence Program Spring 2023 Seminar "The Next Chapter in Software Testing"

The advent of the cloud, agile software development, continuous integration/continuous deployment (CI/CD), "Big Data," and other high-speed and high-performance technologies have presented unique challenges for software testing. The industry has responded with the "shift left" movement of software testing, the movement to DevSecOps with products such as Selenium, cucumber, Gherkin, Jenkins and others and to aid in making software testing more automated and more responsive to the new information systems technologies.

Join us as we welcome our keynote speaker, Dr. Pavan Mulgund, BIT (MIS) Department at the University of Memphis. There will also be a panel discussion with several Memphis industry software testing professionals on the state of software testing in Memphis, today.

RSVP to Dr. Mark Gillenson at [mark.gillenson@memphis.edu](mailto:mark.gillenson@memphis.edu).

**Tuesday, April 11 | 1-4 PM**  
**FedEx Institute of Technology | Methodist Presentation Theatre (103)**

[Register](#)



## UofM SBIR/STTR Workshop Sign-Up Available on InfoReady Small business funding workshop held in conjunction with Launch TN.

Do you have a technology or intellectual property that you have developed and would like to commercialize? Are you interested in learning more about small business grant funding to support spinning out a start-up company to develop your technology? If you are interested in learning more, please join us for a Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) workshop hosted by the Division of Research & Innovation. For more information on the SBIR and STTR programs, please visit [sbir.gov/about](https://sbir.gov/about).

The workshop will be led by Dr. Brian Evans, manager of Strategic Research Initiatives in the Division of Research & Innovation, in conjunction with representatives from Launch TN.

The workshop will be hybrid, offering the ability to attend in person at the UMRF Research Park (460 S Highland St, Memphis, TN 38111), or virtually via Zoom.

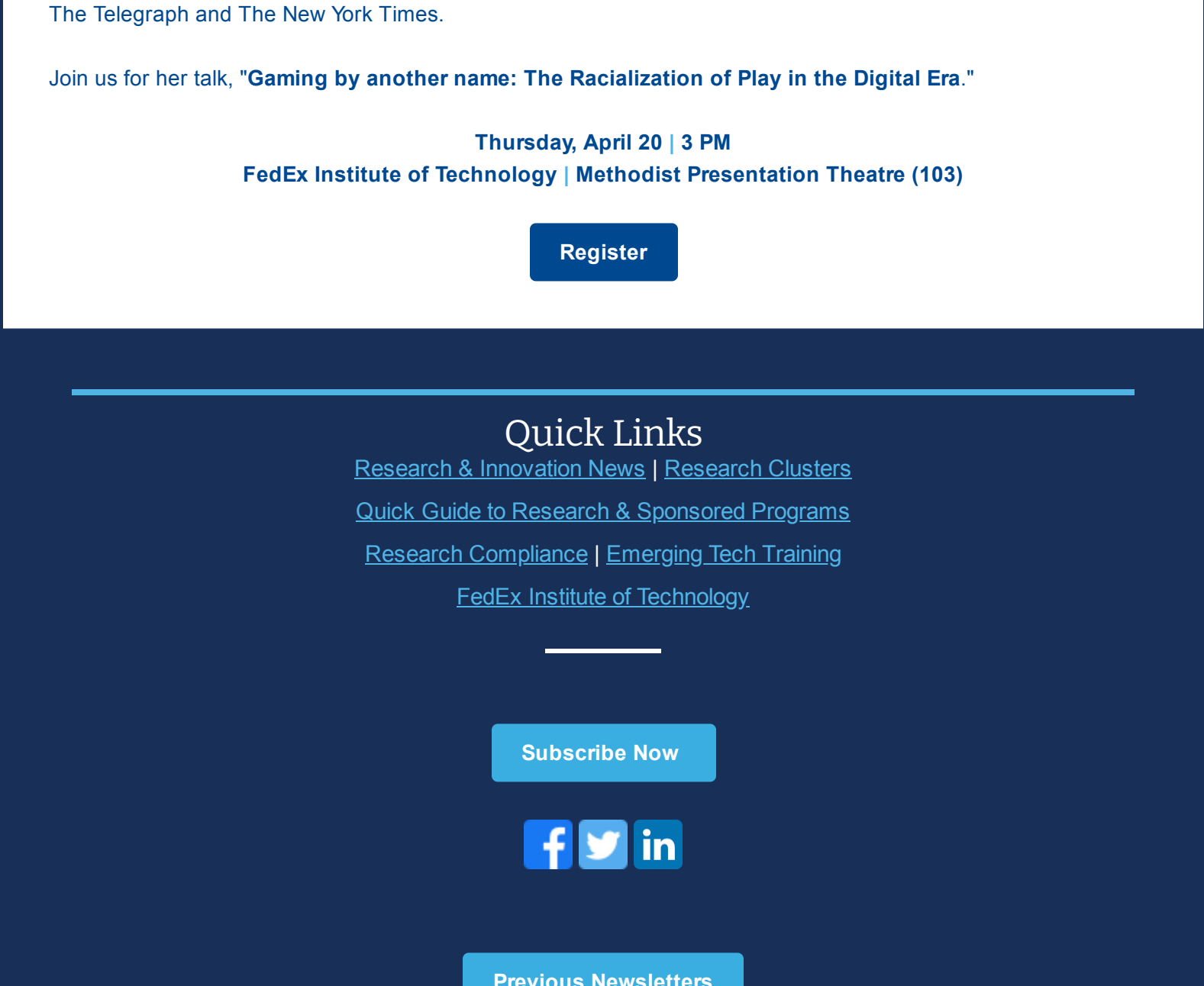
[Zoom Link >>](#)

**Registration:** If you would like to participate in this Spring SBIR/STTR workshop, register using the application link on the University of Memphis InfoReady website via the button below.

For questions or additional information, contact Research & Innovation at [researchdev@memphis.edu](mailto:researchdev@memphis.edu).

**Wednesday, April 12 | 1-2 PM**  
**UMRF Research Park | 460 S. Highland St.**

[Register](#)



## FedEx Institute of Technology Distinguished Speaker Series

Welcomes

**Johney Green Jr.**  
Associate Laboratory Director  
National Renewable Energy Laboratory

Join us as we welcome Johney Green Jr., associate laboratory director for Mechanical and Thermal Engineering Sciences at the National Renewable Energy Laboratory (NREL).

Green oversees NREL's transportation, buildings, wind, water, geothermal, advanced manufacturing, concentrating solar power and Arctic research programs, which encompass a portfolio of more than \$200 million and more than 550 employees. The directorate conducts research and development to enable technology innovations in the areas of energy efficiency, sustainable transportation and renewable power. Additionally, Green transformed NREL's wind site into the Flatirons Campus and transitioned the campus from a single-program wind research site to a multiprogram research campus that is the foundational experimental platform for the U.S. Department of Energy's Advanced Research on Integrated Energy Systems initiative.

Join us for his talk, **"Renewable and Carbon-reducing Energy Research."**

**Wednesday, April 19 | 3 PM**  
**FedEx Institute of Technology | Methodist Presentation Theatre (103)**

[Register](#)



## FedEx Institute of Technology Technology Serving Humanity Speaker Series

Welcomes

**Dr. Kishonna Gray**  
Associate Professor  
University of Kentucky

Dr. Gray is an associate professor in Writing, Rhetoric, Digital Studies at the University of Kentucky. She is an interdisciplinary, intersectional, digital media scholar whose areas of research include identity, performance and online environments, embodied experience, cultural production, video games and Black cyberfeminism. Gray is the author of Intersectional Tech: Black Users in Digital Gaming (LSU Press, 2020). She is also the author of Race, Gender & Deviance in Xbox Live (Routledge, 2014), and the co-editor of two volumes on culture and gaming: Feminism in Play (Palgrave-Macmillan, 2018) and Woke Gaming (University of Washington Press, 2018). Gray has published in a variety of outlets across disciplines and has also featured in public outlets such as The Guardian, The Telegraph and The New York Times.

Join us for her talk, **"Gaming by another name: The Racialization of Play in the Digital Era."**

**Thursday, April 20 | 3 PM**  
**FedEx Institute of Technology | Methodist Presentation Theatre (103)**

[Register](#)

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