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25

# RESEARCH CELEBRATION

Highlighting research achievements, honoring first-time PIs and new PI Millionaires at the University of Memphis, a Tennessee flagship Carnegie R1 research institution.











# AGENDA

## **Opening Comments**

Jasbir Dhaliwal

*Executive Vice President*

*Division of Research & Innovation*

*University of Memphis*

## **Presentation of Awards**

Bill Hardgrave

*President*

*University of Memphis*

David Russomanno

*Provost & Executive Vice President*

*Academic Affairs*

*University of Memphis*

## **Class of 2025 PI Millionaires**

## **First-Time Principal Investigators**

## **Book Publications**

## **Co-Investigators**

## **Communities of Research Scholars**

## **Special Recognition**

## **Principal Investigators**

## **Top Faculty by Scopus H-Index**

## **Google Scholar Highly Cited Authors**



# BOLD MINDS, NEW IDEAS

## CLASS OF 2025 PI MILLIONAIRES

In FY24, these University of Memphis researchers achieved \$1M or more in funding for their projects, elevating them to the esteemed category of “PI millionaires.” These individuals add to a distinguished group of 147 colleagues at UofM who have attained this prestigious designation. This milestone not only reflects the university’s commitment to advancing groundbreaking research but also underscores the caliber of talent and innovation present within our academic community.



**Nathan DeYonker***Department of Chemistry*

Dr. Nathan DeYonker's research focuses on computational chemistry, molecular modeling, and enzymology. His work advances theoretical methods for studying chemical reactions and materials at the molecular level.

**#148****Susan Elswick***School of Social Work*

Dr. Susan Elswick's research utilizes evidence-based behavioral interventions, supporting schools in developing effective school-based mental health programs that are trauma-responsive, and using informatics and technology in social work.

**#149****Xiaolei Huang***Department of Computer Science*

Dr. Xiaolei Huang's research focuses on natural language processing and machine learning, with applications in public health and trustworthy AI by exploring domain adaptation, user modeling, and large language models.

**#150****M. David Rudd***Department of Psychology*

Dr. M. David Rudd's research focuses on the clinical assessment, management, prevention and treatment of suicide risk. His work advances evidence-based interventions through clinical and theoretical frameworks.

**#151****Cody Behles***Division of Research & Innovation*

Dr. Cody Behles' research focuses on collaborative regional growth pathways, innovative emerging technology with industry, and research acceleration programs in partnership with faculty at the University of Memphis.

**#152**





# RESEARCH ECOSYSTEM

## FIRST-TIME PRINCIPAL INVESTIGATORS

Leading a research project for the first time is a significant milestone. While research is a collaborative effort, Principal Investigators play a crucial role in shaping and guiding their projects. This section highlights first-time Principal Investigators who were awarded external funding in FY24, recognizing their dedication and contributions to advancing research.



**Center for Applied Earth  
Science and Engineering  
Research**

Rodrigo Villalpando Vizcaino

**Center for Community  
Research and Evaluation**

Jonathan Bennett

**College of Professional  
and Liberal Studies**

Edmond McDavis III

**Department of Architecture**

Marika Snider

**Department of Art and Design**

Kelsey Harrison

**Department of  
Biological Sciences**

Soo-Hyun Jeong

**Department of Chemistry**

Daniel Nascimento

**Department of City and  
Regional Planning**

Stephen Diko

**Department of  
Computer Science**

Brandon Booth

**Department of Counseling,  
Educational Psychology  
and Research**

Suzanne Lease

**Department of Earth Sciences**

Rachel Lombardi

**Department of Instruction  
& Curriculum Leadership**

Diana Delgado

**Department of Leadership**

Genia Bettencourt

Edith Gnanadass

**Department of Marketing &  
Supply Chain Management**

Gregory Boller

**Department of  
Mechanical Engineering**

Amir Hadadzadeh

Yong Hoon Lee

**Department of Physics and  
Materials Science**

Benjamin Keller

**Department of  
Political Science**

Dursun Peksen

**Department of Psychology**

Rory Pfund

Emily Srisarajivakul

Joah Williams

**Division of Research  
& Innovation**

Hai Trieu

**FedEx Institute of Technology**

Tenderano Muzorewa

**Loewenberg College  
of Nursing**

Gloria Carr

**Herff College of Engineering**

Okenwa Okoli

**School of Social Work**

Sarah Leat

**School of Public Health**

Wei Lyu



# BOOK PUBLICATIONS

The Division of Research & Innovation tracks publications by our research faculty on an ongoing basis. Congratulations to all of our authors!

To self-report any book publications for FY24, visit [bit.ly/FY24PublicationSelfReport](https://bit.ly/FY24PublicationSelfReport).

To view the books published since the last research celebration, visit [bit.ly/UofMBooks](https://bit.ly/UofMBooks).





# DRIVEN BY TEAMS

## CO-INVESTIGATORS & KEY PERSONNEL

Research is rarely an individual effort. It takes a team of collaborators to conduct projects, and while the Principal Investigator is critical to ensuring a project runs, other team members (co-investigators and key personnel) are essential to making research happen. The following are investigators who served as investigators or key personnel on externally funded research awarded in FY24.



**Debra Bartelli**

*School of Public Health*

**Jonathan Bennett**

*Center for Community  
Research and Evaluation*

**Shawn Brown**

*Department of Biological Sciences*

**Amy Cook**

*Department of Computer Science*

**Melloni Cook**

*Department of Psychology*

**Bernie Daigle**

*Department of Biological Sciences*

**Dipankar Dasgupta**

*Department of Computer Science*

**Elena Delavega**

*School of Social Work*

**Tammy Haut Donahue**

*Department of Biomedical Engineering*

**Frances Ellmo**

*Department of Counseling, Educational  
Psychology & Research*

**Michail Gkolias**

*Department of Civil Engineering*

**Edith Gnanadass**

*Department of Leadership*

**Charisse Gulosino**

*Department of Leadership*

**Amir Hadadzadeh**

*Department of Mechanical Engineering*

**Eddie Jacobs**

*Center for Applied Earth Science and  
Engineering Research (CAESER)*

**Farhad Jazaei**

*Department of Civil Engineering*

**Wesley James**

*Department of Sociology*

**Yu Jiang**

*School of Public Health*

**Santosh Kumar**

*Department of Computer Science*

**Daniel Larsen**

*Department of Earth Sciences*

**Deborah Leslie**

*Department of Earth Sciences*

**Deranda Lester**

*Department of Psychology*

**Daphene McFerren**

*The Benjamin L. Hooks Institute  
for Social Change*

**Duane McKenna**

*Department of Biological Sciences*

**Amr Mohamed**

*College of Health Sciences*

**Fawaz Mzayek**

*School of Public Health*

**Jacquelyn Pence**

*College of Health Sciences*

**Jennifer Pickering**

*Center for Applied Earth Science and  
Engineering Research (CAESER)*

**Chrysanthé Preza**

*Department of Electrical  
and Computer Engineering*

**Douglas Powell**

*College of Health Sciences*

**Alfredo Ramirez**

*Center for Applied Earth Science and  
Engineering Research (CAESER)*

**Mary Randolph-Frye**

*The Center for Research in  
Educational Policy (CREP)*

**Meredith Ray**

*School of Public Health*

**William Robertson**

*Department of Anthropology*

**Aaron Robinson**

*Department of Electrical  
and Computer Engineering*

**Vasile Rus**

*Department of Computer Science*

**Jaime Sabel**

*Department of Biological Sciences*

**Abu Mohammed Naser Titu**

*School of Public Health*

**Rodrigo Villalpando Vizcaino**

*Center for Applied Earth Science and  
Engineering Research (CAESER)*

**Brian Waldron**

*Department of Civil Engineering*

**Lan Wang**

*Department of Computer Science*

**Gregory Washington**

*School of Social Work*

**Julia Weil**

*Department of Biological Sciences*

**Yong Yang**

*School of Public Health*

**Xinhua Yu**

*School of Public Health*

**Stephen Zanskas**

*Department of Counseling, Educational  
Psychology & Research*

**Todd Zoblotsky**

*The Center for Research in  
Educational Policy (CREP)*





# RECOGNIZING INVESTMENT

## COLLEGES COLLABORATING WITH R&I TO GROW RESEARCH

The expansion in Pre-Award services has enhanced the organization's ability to secure funding, improve grant management efficiency, and strengthen relationships with faculty, staff, and funding agencies. Colleges are now developing pre- and post-award teams to support their faculty, and this is resulting in more resources and more success in externally funded proposals. Together, we are investing in strategies that ensure all faculty have the ability to pursue externally funded research.



# RECOGNITION

## Special Recognition to Pre-Award Team

Today, we recognize and celebrate the essential contributions of our Pre-Award team. Your expertise, dedication, and behind-the-scenes efforts lay the foundation for the success of our research mission. From managing intricate proposal submissions to ensuring compliance with funding requirements, your work is vital in turning innovative ideas into groundbreaking research.

Your commitment to excellence, attention to detail, and collaborative spirit make a lasting impact on our institution and the research community. We deeply appreciate your hard work and dedication in securing the resources that empower our researchers to make a difference.

### Pre-Award Team:

- » Keith Sisson
- » Yuelin Zhu
- » Jarvis Payne
- » Veronica Hart

## Special Recognition to Pre-Award Coordinators

We want to take a moment to shine a spotlight on the heart of our Pre-Award Services.

### Pre-Award Coordinators:

- » Janet Wiens: College of Education
- » Emilie Bowman: College of Arts and Sciences
- » Nyshi Taylor: School of Public Health
- » Mariquita Lopez Boone: Herff College of Engineering
- » Crystal Hall: College of Arts and Sciences
- » Andria Lisle: College of Arts and Sciences
- » Elizabeth Wilson: College of Arts and Sciences
- » Lu Wang: College of Arts and Sciences

Your dedication and expertise drive the success of our institution's research mission. From navigating complex funding guidelines to ensuring every proposal is polished and compliant, you are the bridge between visionary ideas and transformative funding opportunities.

# NATIONAL DEFENSE RESEARCH

Over the last three fiscal years, University of Memphis researchers have strengthened partnerships with local and national research programs in the Department of Defense. These faculty members have focused on technology-based research that advances cutting-edge testing, health of soldiers and veterans, and national R&D while also equipping partners like the Navy with infrastructure that helps center Memphis as a national destination for research innovation. In the last three fiscal years, over \$35M in research dollars have been procured through these collaborations.

## Defense Research Teams Funded in FY23 and FY24 Include:

- » Dr. Eddie Jacobs (EECE)–PI
- » Dr. Mohammadreza Davoodi (EECE)
- » Dr. Aaron Robinson (EECE)
- » Dr. Daniel Foti (ME)–PI
- » Dr. Amir Hadadzadeh (ME)
- » Dr. Yuan Gao (ME)
- » Dr. Vasile Rus (CS)–PI
- » Dr. Bernie Daigle (BIO)–PI





# COLLABORATIVE SYNERGY

## COMMUNITIES OF RESEARCH SCHOLARS

Established in the fall of 2018, Communities of Research Scholars (CoRS) was created to cultivate interdisciplinary discourse and nurture the growth of collaborative research across the UofM. Each community is comprised of faculty representing multiple disciplines, academic units, perspectives and research approaches with a shared interest in exploring a common research theme or topic. The following are the FY24 funded CoRS projects and their team members. To view all, visit [bit.ly/CoRS](https://bit.ly/CoRS).



## **Geopolitical Risk and the Valuation of U.S Foreign Private Issuers**

- » Joanna Golden (PI), *Crews School of Accountancy*
- » Han Yu, *Department of Economics*
- » Douglas Cumming, *Florida Atlantic University*
- » Michael Imhof, *University of Wyoming*
- » Leo Yang, *Wichita State University*

## **Impact of Museum Resources on Rural Teachers' Self-Efficacy in Teaching STEM**

- » Logan Caldwell (PI), *Department of Instruction and Curriculum Leadership*
- » Elena Delavega, *School of Social Work*
- » Alex Eilers, *Museum of Science & History (MoSH)*



## **Digital Parenting and Children's Digital Literacy Practices among the Chinese Immigrant Community in the United States**

- » Huan Gao (PI), *Department of Instruction and Curriculum Leadership*
- » Micah Trapp, *Department of Anthropology*
- » J. Elliott Casal, *Department of English/Institute for Intelligent Systems*
- » Todd Zoblotsky, *Center for Research in Educational Policy*

## **Hypertension Control of African Americans in an Urban Environment**

- » Tracie Augusta (PI), *Loewenberg College of Nursing*
- » Annapoorna Mary, *Loewenberg College of Nursing*
- » Fawaz Mzayek, *School of Public Health*

## **A Vision and Community Character Plan for the Town of Mason, TN**

- » Stephen Kofi Diko (PI), *Department of City and Regional Planning*
- » Charlie Santo, *Department of City and Regional Planning*
- » Susan Elswick, *School of Social Work*

## **Synergistic Interactions in Biological and Integrated Socio-Environmental Systems**

- » Thomas Hagen (PI), *Department of Mathematical Sciences*
- » Jim Adelman, *Department of Biology*
- » E. Olusegun George, *Department of Mathematical Sciences*
- » Xinhua Yu, *School of Public Health*

## **Effects of Dance Training on the Functioning of the Vestibular System**

- » Raghav Jha (PI), *School of Communication Sciences and Disorders*
- » Michael Medcalf, *Department of Theatre & Dance*
- » Ulrike Griebel, *Institute for Intelligent Systems*
- » Matthew Hollis, *Memphis Speech and Hearing Center*

## **Understanding How Preservice Teachers Perceive and Navigate Politics and Practice in Response to Book Banning Policies**

- » Nikki Wright (Co-PI), *Department of Leadership*
- » Matthew Panozzo (Co-PI), *Department of Instruction and Curriculum Leadership*

## **Unveiling the Cognitive and Social Dynamics of Memes**

- » Yuan Zhang (PI), *Department of Management Information Systems*
- » Ganga Hewage, *Department of Marketing & Supply Chain Management*
- » Brandon Booth, *Department of Computer Science*

## **Predictive Analysis of Lifestyle Risk Factors for Hypertension Using Machine Learning Models**

- » Onoja Akpa (PI), *School of Public Health*
- » Hongmei Zhang, *School of Public Health*
- » Yu Jiang, *School of Public Health*
- » Fawaz Mzayek, *School of Public Health*
- » Leanne Lefler, *Loewenberg College of Nursing*
- » Sohye Lee, *Loewenberg College of Nursing*
- » Akinkunmi Paul Okekunle, *Seoul National University*
- » Osahon Jeffery Asowata, *University of Ibadan, Nigeria*

### **Enabling Consumer Self-Discovery Using GenAI to Make Better Pre-Consumption Decisions**

- » **Ganga Hewage (PI)**, *Department of Marketing & Supply Chain Management*
- » **Yuan Zhang**, *Department of Management Information Systems*
- » **Linh Ha Le**, *Kemmons Wilson School of Hospitality & Resort Management*

### **The Future of Software Design Work: Empowering Software Designers for a Seamless Transition from 2D to the Metaverse**

- » **Yafang Li (PI)**, *Department of Management Information Systems*
- » **Pavankumar Mulgund**, *Department of Management Information Systems*
- » **Han Yu**, *Department of Economics*
- » **Vasileios Pavlopoulos**, *University of Alabama in Huntsville*

### **Research on Intimate Partner Violence Collaborative**

- » **Sarah Leat (PI)**, *School of Social Work*
- » **Amaia Iratzotqui**, *Department of Criminology and Criminal Justice*
- » **Bernadette Ombayo**, *School of Social Work*
- » **Phillis Lewis**, *Love Doesn't Hurt*



### **The Annual Memphis Neuroscience Symposium**

- » **Miriam van Mersbergen (Co-PI)**, *School of Communication Sciences and Disorders*
- » **Nicholas Simon (Co-PI)**, *Department of Psychology*

### **Climate, Environmental, and Energy Justice Research (CEEJR)**

- » **Chunrong Jia (PI)**, *School of Public Health*
- » **Ashish Joshi**, *School of Public Health*
- » **Abu Mohammed Naser Titu**, *School of Public Health*
- » **Arleen Hill**, *Department of Earth Sciences*
- » **Debra Bartelli**, *School of Public Health*

### **Artificial Intelligence and Machine Learning Informed Model for Multiaxial Fatigue Life Predictions of Additive Manufactured Metallic Porous Structures**

- » **Reza Molaei (PI)**, *Department of Mechanical Engineering*
- » **John Williams**, *Department of Biomedical Engineering*
- » **Deepak Venugopal**, *Department of Computer Science*
- » **Mohammadreza Amjadi**, *Arkansas Tech University*



### **Elucidating Vaccine Acceptance and Uptake Decision Processes for COVID-19 and Influenza**

- » **Yong Yang (PI)**, *School of Public Health*
- » **Marian Levy**, *School of Public Health*
- » **James Murphy**, *Department of Psychology*
- » **Esra Ozdenerol**, *Department of Earth Sciences*
- » **Sohye Lee**, *Loewenberg College of Nursing*
- » **Seok Won Jin**, *School of Social Work*
- » **Latrice Pichon**, *School of Public Health*

### **Development of 3D Multifunctional Multicellular Spheroid-on-a-Chip System**

- » **Yuan Gao (PI)**, *Department of Mechanical Engineering*
- » **Omar Skalli**, *Department of Biology*
- » **Xiaolei Huang**, *Department of Computer Science*

### **Arts Entrepreneurship Research Lab**

- » **Josef Hanson (PI)**, *School of Music*
- » **Joel Roberts**, *University Libraries*
- » **Dawl Kimble**, *Crews Center for Entrepreneurship*
- » **Jenny Davis**, *Crosstown Arts*



### **Investigations of Links Between Dichotic Deficits and Lead Exposure in Memphis and Shelby County**

- » Deborah Moncrieff (PI), *School of Communication Sciences and Disorders*
- » Marian Levy, *School of Public Health*
- » Leah Windsor, *Department of English/Institute for Intelligent Systems*
- » LaTricea Adams, *Shelby County Lead Prevention & Sustainability Commission*
- » LaQusha Barnes, *Shelby County Health Department*
- » Emily Ritter, *Vanderbilt University*
- » Roozbeh Rezaie, *University of Tennessee Health Science Center*
- » Katherine Bryan, *The Urban Child Institute*
- » Anasa Franklin, *Literacy MidSouth*

### **Strengthening Scientific Computing Service for Advancing Research and Education Development for Delta Regional Communities**

- » Xiaolei Huang (PI), *Department of Computer Science*
- » Kristian Skjervold, *Research Computing*
- » Eric Spangler, *Research Computing*

### **An Eye Toward Cancer Development to Progression: The Role of Environmental Factors and Climate Change**

- » Abu Mohammed Naser Titu (PI), *School of Public Health*
- » Hongmei Zhang, *School of Public Health*
- » Matthew Smeltzer, *School of Public Health*
- » Noam VanderWalde, *West Cancer Center and Research Institute*



### **Evaluating the Effectiveness of Distracted Driving Prevention Advertisements on Young Drivers Using Eye-Tracking Technology**

- » Susana Jaramillo (PI), *Department of Marketing & Supply Chain Management*
- » Subhash Jha, *Department of Marketing & Supply Chain Management*
- » Casey Waldsmith, *Department of Marketing & Supply Chain Management*
- » Brandon Booth, *Department of Computer Science*

### **Delving into Generative AI's Role in Mental Health Care**

- » Polina Durneva (PI), *Department of Management Information Systems*
- » Yuan Zhang, *Department of Management Information Systems*
- » J. Elliott Casal, *Department of English / Institute for Intelligent Systems*
- » Attila Hertelendy, *Florida International University*
- » Ejemai Eboreime, *Dalhousie University*



### **Mobile VR Gaming and In-Game Advertising: Examining the Effects of Game Mode and Product Involvement**

- » Jin Yang (PI), *Department of Journalism and Strategic Media*
- » Ruoxu Wang, *Department of Journalism and Strategic Media*
- » Brandon Booth, *Department of Computer Science*

### **Victims Advocacy Collaborative**

- » Bernadette Ombayo (PI), *School of Social Work*
- » Sarah Leat, *School of Social Work*
- » Joah Williams, *Department of Psychology*
- » Dianne Stacks, *Police Services*
- » Katlynn McClatchie, *Police Services*

### **Designing A Metaverse Application for Educating Young Fathers on Postpartum Depression**

- » Pavankumar Mulgund (PI), *Department of Management Information Systems*
- » Yafang Li, *Department of Management Information Systems*
- » Han Yu, *Department of Economics*
- » Sam Marrazzo, *Buffalo Niagara Medical Campus*





# SPECIAL RECOGNITIONS

## ADVANCING RESEARCH AND INNOVATION ACROSS DISCIPLINES

The University of Memphis is proud to celebrate the remarkable achievements of its distinguished faculty, whose groundbreaking research and dedication to innovation are shaping their fields and inspiring future generations. These recognitions highlight the exceptional work of faculty members who have recently received prestigious awards from the National Science Foundation (NSF) for their contributions to science, engineering, and technology. Through their efforts, they continue to advance knowledge, foster collaboration, and create meaningful impacts both locally and globally.





**Dr. Daniel Nascimento,**  
*Assistant Professor  
Chemistry*

NSF Early Career Award

Dr. Daniel Nascimento, assistant professor in the Department of Chemistry, was recently awarded a five-year Faculty Early Career Development Program (CAREER) grant from the National Science Foundation (NSF) for \$649,414 for the project entitled “Enabling the accurate simulation of multi-dimensional core-level spectroscopies in molecular complexes using time-dependent density functional theory.”

As part of his CAREER project, Nascimento will build the computational infrastructure (methodologies, algorithms and software) specialized in the simulation of multi-dimensional spectroscopies in the x-ray regime from first principles. The project will also impact the recruitment and formation of future theoretical and computational chemists through a summer

program targeting undergraduate students from across the Mid-South region. The summer program will address several deficiencies in the training process that will facilitate student initiation and retention in the field and will serve as a vehicle to increase the participation of underrepresented groups in the theoretical and computational chemistry community.



**Dr. Farhad Jazaei,**  
*Assistant Professor  
Civil Engineering*

NSF Early Career Award

Dr. Farhad Jazaei, assistant professor in the Department of Civil Engineering, received a five-year NSF Faculty Early Career Development Program (CAREER) grant for \$537,625 for his project, “Determining the mechanism and significance of microplastic pollution impacts on soil hydrology.”

Microplastic pollution is an emerging global issue due to its pervasive nature and potential long-term environmental impacts. Defined as plastic particles less than 5 millimeters to 1 micrometer in size, microplastics can infiltrate ecosystems from oceans to soils.

Soil-microplastic pollution, particularly on agricultural farms, has received less attention than aquatic

microplastic pollution. This NSF-CAREER award will allow Jazaei and his team to address this critical knowledge gap. His efforts aim to inspire and equip future environmental experts to safeguard ecosystems and biodiversity for generations to come.



**Dr. Sabya Mishra,**  
*Professor  
Civil Engineering*

NSF Industry University Cooperative Research Center (IUCRC) Award

Dr. Sabya Mishra, professor in the Department of Civil Engineering, is the Site Director of a joint NSF IUCRC award with Purdue University Indianapolis for the “Center for Electrified and Automated Trucking (CEAT).” CEAT is the first NSF IUCRC site at UofM (2024-2029), focusing on automation, electrification, and the next-generation workforce in trucking and transit.

CEAT’s vision is to advance connected, electrified, and automated commercial vehicles and logistics networks to enable efficient, safe, and sustainable mobility. The center addresses challenges faced by agencies managing trucking, transit, rail, port, and other fleets.

Through collaboration with private and public stakeholders and academic institutions,

CEAT conducts research on electrified truck powertrains, automated transportation, real-time truck platooning, public transit vehicles, smart infrastructure, and supply-chain models. CEAT aims to drive innovation and promote the adoption of electric and automated commercial vehicles for sustainable transportation in North America and beyond.



# PRINCIPAL INVESTIGATORS

PIS ADVANCING BREAKTHROUGHS  
& DISCOVERIES IN FY24

James Adelman  
Mohd Ali  
Thouraya Al-Nasser  
Anzhelika Antipova  
Bonny Banerjee  
Debra Bartelli

**Cody Behles**  
Jonathan Bennett\*  
Kristoffer Berlin  
Genia Bettencourt\*  
Richard Bloomer  
Gregory Boller\*

Brandon Booth\*  
Emerson Bowers  
Shawn Brown  
Tracy Bruen  
Jamie Brunsdon  
Joel Bumgardner



Melanie Burgess  
Bert Burraston  
Gloria Carr\*  
Laura Casey  
Qianyi Cheng  
Minhae Cho  
Melloni Cook  
Amy Curry  
Bernie Daigle  
Jill Dapremont  
Dipankar Dasgupta  
Mohammadreza Davoodi  
Russell Deaton  
Elena Delavega  
Diana Delgado\*

**Nathan DeYonker**

Jasbir Dhaliwal  
Stephen Diko\*  
Adriana Dunn  
Randolph Dupont  
Naomi Eichorn

**Susan Elswick**

Ali Fatemi  
Lindsey Feldman  
Daniel Foti  
Mark Gillenson  
Elizabeth Gillespie  
Edith Gnanadass\*  
Thomas Goebel  
Wendy Griswold  
Sandra Guntharp  
Amir Hadadzadeh\*  
Michael Hagge  
Alfred Hall  
Melvyn Harding  
Kelsey Harrison\*  
Alexander Headley  
Carl Herickhoff  
Stephen Horton

**Xiaolei Huang**

Stephanie Ivey  
William Jackson  
Eddie Jacobs  
Farhad Jazaei  
Jessica Jennings  
Soo-Hyun Jeong\*  
Subhash Jha  
Chunrong Jia

Ashish Joshi  
Carolyn Kaldon  
Satish Kedia  
Benjamin Keller\*  
Santosh Kumar  
Youngsang Kwon  
Daniel Larsen  
Suzanne Lease\*  
Sarah Leat\*  
Yong Hoon Lee\*  
Deranda Lester  
Marian Levy  
Huigang Liang  
Rachel Lombardi\*  
Leslie Luebbers  
Wei Lyu\*  
Jennifer Mandel  
Jeffrey Marchetta  
Melissa Marshall  
Yuki Matsuda  
Timothy McCuddy  
James McCutcheon  
Edmond McDavis III\*  
Meghan McDevitt-Murphy  
Duane McKenna  
Courtnee Melton-Fant  
Brian Meredith  
Sabyasachee Mishra  
Francisco Muller Sanchez  
James Murphy  
Tenderano Muzorewa\*  
Cynthia Muzzi  
Fawaz Mzayek  
Daniel Nascimento\*  
Susan Neely-Barnes  
Erin Nelson  
Okenwa Okoli\*  
David Oller  
Napoleon Overton  
Christos Papadopoulos  
Maxime Paquette  
Philip Pavlik  
Dursun Peksen\*  
Brandt Pence  
Shahram Pezeshk  
Rory Pfund\*  
Latrice Pichon  
Kathryn Ramsey

Meredith Ray  
Aaron Robinson  
Loretta Rudd  
**M. David Rudd**  
Diana Ruggiero  
Vasile Rus  
John Sabatini  
Jaime Sabel  
Firouzeh Sabri  
Daniel Schaffzin  
Eraina Schauss  
Chrisann Schiro-Geist  
Michael Schmidt  
William Shaltis  
Nicholas Simon  
Robert Smalley  
Matthew Smeltzer  
Marika Snider\*  
Emily Srisarajivakul\*  
Gary Stinchcomb  
Thomas Sutter  
Richard Sweigard  
William Thompson  
Abu Mohammed Naser Titu  
Hai Trieu\*  
Marie van der Merwe  
Deepak Venugopal  
Rodrigo Villalpando Vizcaino\*  
Brian Waldron  
Lan Wang  
Thomas Watson  
Karen Weddle-West  
James Whelan  
Joah Williams\*  
Mitchell Withers  
Myounggyu Won  
Kan Yang  
Mohammed Yeasin  
Xinhua Yu  
Stephen Zanskas  
Hongmei Zhang  
Yufeng Zhang  
Todd Zoblotsky

\* Denotes First-Time Pls

**Bolded** names are FY24  
PI Millionaires



# IMPACT LEADERS

## RECOGNIZING EXCELLENCE IN SCHOLARLY INFLUENCE AND CITATIONS

The influence of research is often measured by how widely it is cited, reflecting its significance within the academic community and beyond. At the University of Memphis, our faculty are driving innovation and shaping their fields through impactful scholarship. The following charts highlight faculty members with the highest citation metrics, recognizing their outstanding contributions to research and discovery. These rankings, based on Scopus H-Index and Google Scholar citations, showcase the depth and breadth of expertise that define our institution's research excellence.



# TOP FACULTY BY SCOPUS H-INDEX

FACULTY MEMBER	SCOPUS H-INDEX	DEPARTMENT
Fatemi, Ali	60	Mechanical Engineering
Bowlin, Gary	57	Biomedical Engineering
Sutter, Thomas	57	Biological Sciences
Lasiecka, Irena	53	Mathematical Sciences
Murphy, James	51	Psychology
Rudd, M. David	51	Psychology
Bollobás, Béla	48	Mathematical Sciences
Jefferies, John	48	School of Public Health
Mishra, Sanjay	45	Civil Engineering
Dasgupta, Dipankar	44	Computer Science
Gallagher, Shaun	44	Philosophy
Oller, D. Kimbrough	42	School of Communication Sciences and Disorders
Triggiani, Roberto	42	Mathematical Sciences
Bumgardner, Joel	41	Biomedical Engineering
LeDoux, Mark	41	Psychology
Skalli, Omar	40	Biological Sciences
Liang, Huigang	39	Management Information Systems
Andrasik, Frank	38	Psychology
Bloomer, Richard	38	College of Health Sciences
Huang, Xiaohua	38	Chemistry
Yang, Kan	38	Computer Science

## About Scopus H-Index

The University of Memphis subscribes to Scopus, a database of citations and abstracts. An H-index of 40 means that a scientist has published 40 papers that each has at least 40 citations.

# GOOGLE SCHOLAR HIGHLY CITED AUTHORS

FACULTY MEMBER	SCOPUS H-INDEX	DEPARTMENT
Gallagher, Shaun	48,684	Philosophy
Huang, Xiaohua	39,515	Chemistry
Bowlin, Gary	26,855	Biomedical Engineering
Fatemi, Ali	23,303	Mechanical Engineering
Oller, D. Kimbrough	22,778	School of Communication Sciences and Disorders
Dasgupta, Dipankar	22,359	Computer Science
Lasiecka, Irena	21,522	Mathematical Sciences
Rudd, M. David	20,023	Psychology
Liang, Huigang	19,301	Management Information Systems
Kraiger, Kurt	17,337	Management
Andrasik, Frank	16,697	Psychology
Rezaee, Zabihollah	14,246	Crews School of Accountancy
Murphy, James	14,114	Psychology
Skalli, Omar	13,087	Biological Sciences
Sutter, Thomas	12,905	Biological Sciences
Kumar, Santosh	11,387	Computer Science
Zhang, Hongmei	11,330	School of Public Health
Wang, Lan	11,057	Computer Science
Pence, Brandt	11,030	College of Health Sciences
McKenna, Duane	10,927	Biological Sciences

## About Google Scholar

In order to increase the visibility of researchers at the University of Memphis, the Division of Research & Innovation is encouraging all faculty to update their Google Scholar profiles. If you need assistance, email [researchdev@memphis.edu](mailto:researchdev@memphis.edu).







