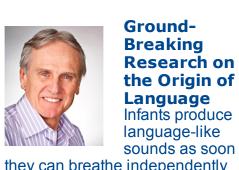
November | 2019





as they can breathe independently A paper just published in Scientific Reports shows the abundant production of speechlike vocalizations, early precursors to speech, by infants born prematurely and still in neonatal intensive care two months before their due dates. These infants, breathing on their own after having been intubated to make breathing possible since birth, produced hundreds of speech-like

vocalizations every day as soon as they could breathe independently. The article forms the basis for a very new conception about the origin of language: It shows that humans innately engage, as soon as they can breathe on their own, in active vocal exploration that starts down the path toward language. Flexible vocalization in early infancy is necessary for all subsequent developments required by language. The result is remarkable, given it is widely believed in pediatrics, developmental psychology, anthropology and primatology that human infants develop speech-like vocalizations from cry," stated **Dr. Kim** Oller, lead PI, professor and Plough Chair of Excellence in the School of Communication Sciences and Disorders. "However, the study shows that even in preemies recorded at 32 weeks

gestational age, the rate of speech-like vocalizations is hundreds per day, while crying was found to occur at less than one-tenth that rate. And, the study reports longitudinal data from full term infants from the first month through the end of the first year, demonstrating that speech-like vocalizations outnumbered cries throughout that time by a factor of about The work is a collaboration of the University of Memphis and the Women and Infants Hospital of Rhode Island (WIHRI) of Brown University and is based on random sampling and human coding of all-day recordings of infants in the hospital and at home. Other members of the UofM team include Dr. Dale Bowman, associate

professor in Mathematical Sciences, and Dr. Eugene Buder, associate professor in the School of Communications Sciences and Disorders. Brown University team is led by Dr. Betty Vohr, professor of Pediatrics with the Alpert Medical School of Brown University and medical director of the Follow-up Clinic Program in the Department of Pediatrics. For more information on this study, "Preterm and full-term infant vocalization and the origin of language," contact Oller at koller@memphis.edu, or Dr. Betty Vohr at <a href="mailto:bvohr@wihri.org">bvohr@wihri.org</a>. Read full release <u>here</u>.

**Elegant** Solutions Inkjet printing used to create cutting-edge cyber-physical systems from \$499,841 NSF funded grant **Dr. Bashir Morshed** and his team are paving the way for low-cost, high-density

sensor integration for the devices of the future. With the increasing integration of

smart and IoT-enabled devices impacting

our daily lives at every turn, the importance

of creating scalable production techniques

is essential to a future defined by

accessible technologies with increased capabilities. Morshed is using inkjet printing to apply sensors to customized, flexible, biocompatible thin films that can be incorporated into wearables and other connected devices. Coupled with real-time algorithms deployed at the edge computing smart devices, Morshed will explore automated and semi-automated feedback for the systems. The cost-

efficient integration of sensors is a valuable resource for additive manufacturing, flexible electronics and sensors, smart cities and communities, mobile health and numerous other areas of application. For more information, contact Morshed at bmorshed@memphis.edu. Department of the Treasury Awards TPA **Grant to the** University Finance professor will lead project

Act (IPA) grant to the University of Memphis for \$168,382. **Dr. P.K. Jain**, professor of finance in the Fogelman College of Business & Economics (FCBE), will serve as the principal investigator for this grant project and as an OFR fellow. Jain will work with several financial regulatory agencies in Washington, D.C., with stock and derivative exchanges in

New York, New Jersey, Chicago and other leading global financial hubs, and with

microstructure academic experts

throughout the nation to improve an

understanding of national financial markets' interconnectedness and stability.

The Office of Financial Research (OFR) in

awarded an Intergovernmental Personnel

the U.S. Department of the Treasury

The project, which will last approximately two years, will bring national visibility to the University of Memphis. It will benefit faculty and students in building leadership in the emerging area of FinTech (which deals with frontier technologies in financial markets). Additional areas such as the Financial Infrastructure Stability and Cybersecurity (FISC) Center will benefit and serve the supporting cross-disciplinary Other government agencies such as the U.S. Securities and Exchange Commission also recognized the core strengths of

members recently.

Zanskas, Lustig Awarded U.S. **Department of Education** Receives second five-year, \$1 million Dr. Stephen Zanskas, associate professor and Dean's Faculty Fellow in the

FCBE in financial big data analytics by

awarding IPA grants to two UofM faculty

disabilities by increasing the supply of persons at the graduate level in rehabilitation counseling. The work relates directly to the mission of the state-federal rehabilitation service program to enlist qualified personnel to provide services to persons with disabilities. The need for qualified rehabilitation counselors is significant both on a national level and in the State of Tennessee. The University's Rehabilitation Counseling

Program, which is part of the Department of Counseling, Educational Psychology &

professional rehabilitation counselors to provide rehabilitation services to facilitate

the personal, educational and vocational

development of individuals with a range of

Research in the COE, prepares

impairments.

According to Zanskas, funding from this

award supports students enrolled in the

graduate program in Rehabilitation Counseling at the University of Memphis.

The goal of the program is to improve the employment outcomes of individuals with

**Storm Water** Contamination Investigation CoRS project helps to furthers U.S. Geological Survey's mission Storm runoff is a major source of water pollution in Tennessee. Often, industrial facilities are key contributors of pollution to this water source, and stopping this pollution is in the interest of everyone in our region. Dr. Maryam Salehi, assistant professor of Civil Engineering, is

Geological Survey's national mission to increase knowledge of water quality and assist in evaluation of how climate and landscape changes influence the water resources. And, this research contributes to the University's national reputation for water quality research. For more information, contact Salehi at mssfndrn@memphis.edu. For more on this project, read the recent article in the Daily Memphian <u>here</u>. Photo credit Jim Weber, Daily Memphian.

\$1 million from the U.S. Department of Education for his project "Rehabilitation Counselor Training Program."

Institutes of Health (NIH) in collaboration with the Regents of The University of Michigan, for continuation of his ongoing project "Novel use of mHealth Data to identify states of vulnerability and receptivity to JITALIs. **Dr. Bashir Morshed**, associate professor in the Department of Electrical and Computer Engineering, and faculty affiliate in the Institute for Intelligent Systems, was awarded \$499,841 from

was also awarded \$84,395 from the

collaboration with the regents of the University of California, Los Angeles, for continuation of his ongoing project

ROBAS: A Multimodal Sensor System

for Remote Assessment of Oral Health Behaviors." He received a third award in

the amount of \$43,446 from the National

National Institutes of Health in

Employment." She also was awarded \$120,750 from the U.S. Department of Education in collaboration with the Tennessee Department of Human Services, for continuation of her ongoing project "Pre-Employment Transition Services." Melvyn Harding, director of Student Success Programs, was awarded \$265,802 from the U.S. Department of

College of Arts & Sciences and professor of Chemistry, was awarded \$44,179 from the U.S. Geological Survey (U.S.GS) for continuation of ongoing project "Cooperative Research Agreement between the University of Memphis and U.S.GS. Lower Mississippi-Gulf Water U.S.GS Lower Mississippi-Gulf Water Science Center." **Dr. Randolph Dupont**, professor in the Department of Criminology and Criminal Justice, was awarded \$36,000 from the State of Tennessee in collaboration with City of Memphis Police Department, for continuation of his ongoing project "City of Memphis Police CIS."

was awarded \$23,479 from Seeding Success for her project "Seeding Success Shelby County Schools Pre-K Outcomes-Based Financing Project.' **Dr. Kenneth Ward**, professor and director in the Division of Social and Behavioral Sciences, was awarded \$22,927 from the National Institutes of Health (NIH) in collaboration with Florida International University, for continuation of his project "Eastern Mediterranean Water **Dr. Carolyn Kaldon**, research associate professor in the Center for Research in Educational Policy, was awarded \$15,938 from Battelle for continuation of her ongoing project "TSIN Rural STEM Collaborative General Evaluation. Dr. Kristoffer Berlin, associate professor in the Department of

BIOLOGISTICS DATA SCIENCE

LABS AND RESOURCES LIGHTNING TALKS DEC. 5 | 3-5 PM | FIT FISHBOWL (203/205) Join us during study day for an overview of labs and resources. Come learn about the amazing resources open to collaboration on the UofM campus. **FINDING FUNDING: NIH** JAN. 24 | 12:30-1:30 PM | FIT ROOM 225 Your NIH funding questions answered. We will provide a high-level overview of NIH functions and opportunities followed by a Q&A. FINDING FUNDING: ARTS & HUMANITIES FEB. 7 | 12:30-1:30 PM | UC POPLAR ROOM (308)

Learn how to navigate the NEH and other funding

humanities

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agencies critical to funding research in the arts and

**UMRF Research Park Brings Cybersecurity Company, Jobs** to University

NNOVATION



**District** research park with

MEMPHIS.

track down and stop cyber criminals, is moving to Memphis and setting up its office in the University of Memphis UMRF Research Park. DEVCON will initially bring 12-20 employees with plans to hire another 100. Cybersecurity is often associated with large companies, financial institutions and big box retailers. However, in a day and age when personal information is stored online, everyone is susceptible to a cyber-

attack. According to Cyber Defense, it is estimated that 91% of scams start with a phishing email and 43% of attacks are aimed at small businesses. Maggie Louie, founder and CEO of DEVCON, spent more than a decade as a digital leader in the publishing industry developing products for The E.W. Scripps Company, The Los Angeles Times, American Public Media Group and Morris Communications, where she also served as the vice president of audience and

corporate entrepreneur. "Over the last few years, there's been some great discussion and focus around the need to create more opportunities for women entrepreneurs, which is a great start," Louie said. "One of the reasons DEVCON has decided to move our headquarters to Memphis is the alignment with our company's commitment to turn those conversations into actions. Memphis has more female-owned businesses percentage-wise than any other major city.

"For me, as a female entrepreneur and CEO, this is the ideal community in which to grow even more opportunities for women. The State of Tennessee's economic development is already supporting us in that cause through the ability to create educational programs for its free state-funded college which will allow us to customize vocational classes that will provide students with the expertise and certifications needed to fill the many specialized jobs we are creating. For more information on this development, read the full release here.

**New UofM Faculty Member** Brings Disease Tolerance Research to Memphis \$423,406 grant focuses on animal immune systems **Dr. Jim Adelman** joined the Department of Biological Sciences in fall of 2019 and brought with him research that explores how animal immune systems tolerate infections. Although everyone gets sick, our immune systems can have very different responses. Biological systems

naturally fight off disease in one of two

ways: killing invading pathogens

consequences of tolerance. By comparing distinct populations of a common, North American songbird, his team investigates how tolerance arises at a continent-wide scale. This work, which started at Iowa State University and Virginia Tech, will continue at the University of Memphis. contact Adelman at

For more information on this project, jsdelman@memphis.edu. **CAESER Research Center Expands** Wilder Tower Grand Opening The Center for Applied Earth Science and Engineering Research (CAESER) hosted a grand opening for their expansion onto the tenth floor of Wilder Tower. CAESER is a multidisciplinary research center under the Herff College of Engineering that focuses

on three areas: water research, GIS

buildings on campus, making

mapping and education and outreach.

Previously, the 60+ staff and students of CAESER were spread across four

communication and collaboration difficult.

The expansion onto the tenth floor will allow all of the water research staff and students to share one space, while GIS, education and administrative staff will remain on the ninth floor. CAESER looks forward to advancing their aquifer research and sharing findings with the community.

**Microgrid Innovations** 

for Civilian, Defense, and **Humanitarian Applications** Nov 1 | 12:30-1:30 PM Fishbowl (203/205) To register, visit bit.ly/energytalkuofi MEMPHIS. FedEx Institute of Technology **Welcomes Dr. Nathan** Johnson **Energy Innovations** Nov. 1 | 12:30-1:30 PM | FIT 225 The University of Memphis presents **Dr**. Nathan Johnson, associate professor of Engineering at Arizona State University

and the director of the Laboratory for

Energy and Power Solutions, Friday November 1, at the FedEx Institute of Technology. Join us as Johnson talks about the changing global landscape of the energy industry and details five

insights to technical research and delivered product. For more information,

visit <u>fedex.memphis.edu</u>.

Register <u>here</u>.

Role of Culture in

(103)

synergistic project areas that connect user

**Digital Transformation** with Nik Puri Nov. 15 | 8:30-10:30 AM FedEx Institute of Technology Methodist Presentation Theatre MEMPHIS. To register, visit bit.ly/nikpuritalk.

Nik Puri, FedEx Express, will present a talk focusing on

Nov. 15 | 8:30-10:30 AM | FIT MPT

Join us as **Nik Puri**, senior vice president

of IT at FedEx Express, speaks about the

digital journey at FedEx, whose culture reflects the company's long-held belief that

**Culture, IT and People** 

profits follow after ensuring employee and customer satisfaction. The talk will take place in the FedEx Institute of Technology Methodist Presentation Theatre (103). Register for this free talk <u>here</u>. First Research **Statistical** Consulting **Exchange Held** Statistical consulting services for faculty On Oct. 24, the University of Memphis

held the first Research Statistical

Consulting Exchange meeting at the

Institute. The meeting highlighted the Biostatistics program in Epidemiology and the Magic Stat tool, a UofM faculty-led

for faculty. As a result of the meeting,

shop for consulting across campus.

Faculty are encouraged to send the

following information by Nov. 10 to be

included on this new site. Future meetings

startup to provide easy statistics interfaces

several new resources will be introduced to assist with the alignment of statistical consulting services on campus. A website will be created that provides a one-stop

will focus on providing researchers in need of statistical assistance with an opportunity to highlight their questions. Faculty interested in providing consulting services, presenting or having questions, should contact <a href="mailto:cbehles@memphis.edu">cbehles@memphis.edu</a> with the following: Faculty name; department/college; headshot (jpeg or png); contact information (phone and email); specific services provided (e.g., data collection, research design, statistical analysis vs. just

data analysis); examples of projects

the FedEx Institute of Technology

GiveCamp Memphis is getting ready for

has opened registration for the 2020

weekend! To be considered, nonprofits must apply on the website before the end

the Design for Good 2020 hackathon and

GiveCamp

Hackathon

Design for Good

2020 to be held at

Memphis

including reports produced (excel, word, pdf); and rates or fees, if applicable.

of the year. Use the button below to go to the application. Register here. Important Dates: • Oct. 18, 2019: Submission period opens • Dec. 31, 2019: Submission deadline • Jan. 24, 2020: Responses to nonprofits • Feb. 28 - March 1, 2020: GiveCamp Memphis / Design for Good 2020 **SAS Programming 2:** Data Manipulation **Techniques** Nov 18-19 | 8 AM - 5 PM

**Agriculture &** 

**Technologies** Research

Accomplishments

Food

Cluster

2019

food and agriculture challenges. Additional areas of inquiry and application in law and business are also being explored. Achievements include establishing this research cluster with new grants. The cluster is building research capacity with ag industry innovators in Memphis. **RESEARCH PROJECTS** Phylogenetic and population genetic structure in the African oilseed crop, centrapalus pauciflorus, and related taxa

Harvesting fungal endophytes for integrative bioherbicidal management of

Increasing crop production in rural Haiti

an invasive plant to reduce legume

Investigate heavy metals uptake by microplastics present in agricultural fields

A plant-derived polyphenol modulates

reprogramming of innate immune cells

GIS mapping and multispectral imaging camera drones in urban farming

detection, classification and localization of seed using unmanned aerial vehicles

Harnessing data to predict tree species

diversity - application of deep learning

Deep learning-based autonomous

pathogen spillover events

Immunity through metabolic

urban community gardens

(UAVs)

techniques

technique

and applied approaches to contemporary

The Agriculture and Food Technologies

Research Cluster at the University of Memphis brings together a core group of

scientists from Biology, Chemistry, Computer Science, Engineering and Health to work on theoretical, experimental

Department of Biological Sciences, and Dr. **Pratik Banerjee**, School of Public Health. To learn more about the research cluster, visit the website. **CALENDAR** 

Microgrid Innovations for Civilian, <u>Defense and Humanitarian Applications</u> Nov. 1 | 12:30-1:30 PM | FIT 203/205

Machine Learning/Data Sciences/R

Finding Funding: Navigating Grant <u>Forward</u> Nov. 7 | 12:45-1:45 PM | AD 191 Code Together Meetup Nov. 10 | 1-3 PM | FIT 226 FIT Agile Coaching Training Nov. 11-13 | All day | FIT 225 Memphis Web Workers User Group Nov. 12 | 6-8 PM | FIT 226 Memphis Game Developers Nov. 13 | 6-8 PM | FIT 227 MemPASS / Power BI Meetup

Nov. 14 | 5:30-8:30 PM | FIT 227

Nov. 15 | 8:30-10:30 AM | FIT 103

(Methodist Presentation Theatre)

FIT SAS Programming II: Data Manipulation Techniques Nov. 18-19 | All-day | FIT 225

Finding Funding in the NSF Nov. 22 | 12:30-1:30 PM | AD 191

Role of Culture in Digital Transformation:

TRAINING

**Workshop on Finding Funding** 

Join us for a tutorial on Navigating Grant Forward, the University's database for finding funding from federal agencies, foundations and other searchable

**Administrators International** 

Nov. 14-15 | 8:30 AM-4 PM | UC

Society of Research Administrators

For more information regarding the

at <a href="mailto:lmjons10@memphis.edu">lmjons10@memphis.edu</a>.

administration.

Nov. 7 | 12:45-1:45 PM | AD 191

Register for the event <u>here</u>.

**Society of Research** 

Finding Funding in the NSF Nov. 22 | 12:30-1:30 PM | AD 191 Whether you are a veteran or a novice, navigating the NSF can be tricky. Join us for a high-level overview of the NSF website and structure, followed by an open Q&A with experts from OSP, Research Development and the colleges.

Register for the event <u>here</u>.

**Exciting times! Visit the website** 

for the latest news and

impact

View website <u>here</u>.

happenings at the research

strengthening Memphis' economic

**DOCS WANTED** 

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the University of Memphis.

Redefining the University District and

commercialization. The University of Memphis is shifting the innovation paradigm with a new program that enables post doc fellows to start their own companies using patented intellectual property.

and learn from their wisdom. Event in partnership with entrepreneurship community. **NAVIGATING THE DOD** FEB. 28 | 12:30-1:30 PM | FIT FISHBOWL (203/205) Join a panel of researchers from the UofM who have worked with the Department of Defense to gain insight into how to develop research relationships with the agency. POST DOC INTRODUCTIONS AND NETWORKING MARCH 19 | NOON-1:30 PM | FIT ROOM 225

FEB. 21 | 3:30-5:30 PM | UMRF RESEARCH PARK

Memphis in the last year.

about their research at the forefront of interdisciplinary collaboration at the University of Memphis. **TECH TRANSFER OVERVIEW** APRIL 24 | 12:30-1:30 PM | FIT ROOM 225 Join Tech Transfer Director Dr. Hai Trieu to learn about the role of the tech transfer office in growing commercialization

**FedEx** 

THE UNIVERSITY OF MEMPHIS.

be held at the UofM, honors, publications, research impact in an upcoming issue of the newsletter. We look forward to accomplishments taking place at

**COMMUNITY OF RESEARCH SCHOLARS LIGHTNING TALKS** MARCH 27 | 3:30-4:30 PM | FIT ROOM 226 Join the 2019 Community of Research Scholars to learn and intellectual property protection.

(resistance) or minimizing per-pathogen reductions in fitness (tolerance). Because resistance often causes unintended harm, substantial research has focused on this In contrast, Adelman is pioneering research into the causes and

College of Education (COE), and **Dr. Daniel Lustig**, professor in COE, have been awarded a five-year continuation of a grant from the U.S. Department of Education for the project Rehabilitation Counselor Training Program. The \$1 million award, which will largely support tuition and fees, stipends, travel allowances, certification exams and instructional materials for students pursuing a master's degree, marks the second five-year grant received for this project.

investigating how pollutants enter the groundwater system, and through that

research will assist state and federal

project is made possible by the

regulatory decision makers in recognizing

the impacts of industrial activities on local creeks and streams. The continuing

Community of Research Scholars (CoRS)

research cluster she recently received.

The research will also further the U.S.



The funded communities feature faculty

Loewenberg College of Nursing; and

The researchers from the cluster recently held Lightning Talks to highlight the new research taking place. Click here for a complete listing of funded teams and project descriptions. For more information on this initiative, contact Teresa Franklin

School of Public Health.

at tjfrnkln@memphis.edu.

from eight schools and colleges: Fogelman College of Business and Economics; Kemmons Wilson School of Hospitality & Resort Management; Arts & Sciences; Communication and Fine Arts; School of Communication Sciences and Disorders; Herff College of Engineering;

**Research Awards** October 2019 Dr. Stephen Zanskas, associate professor in Counseling, Educational Psychology and Research, was awarded **Dr. Santosh Kumar**, professor and Lillian & Morrie Moss Chair of Excellence in the Department of Computer Science and director of the MD2K Center of Excellence, was awarded \$799,507 from the National Science Foundation for continuation of his ongoing project "CIF21 DIBBS: El: mProv: Provenance-based Data Analytics Cyberinfrastructure for High-frequency Mobile Sensor Data." He

the National Science Foundation for his project "CPS: Small: Inkjet Printed Flexible Electronic CPS with Contextaware Events of Interest Detection.' **Dr. James Adelman**, assistant professor in the Department of Biological Sciences, was awarded \$423,406 from the National Science Foundation for his project "Collaborative Research: Immune mechanisms and epidemiological consequences of tolerance in a naturally occurring host-pathogen system."

Dr. Chrisann Schiro-Geist, professor in Counseling, Educational Psychology and Research, and director of the Institute for Disability, was awarded \$323,536 from the U.S. Department of Education for

continuation of her ongoing project

Inclusive Transition to Integrated

Building Resources for Persons with

Intellectual Disabilities Towards Gainful Employment: The Bridge Project for

Education for continuation of his ongoing project "FY2016: University of Memphis Student Support Services Project/CLASSIC." He was awarded \$253,032 From the U.S. Department of Education for continuation of his ongoing project "FY2016: University of Memphis Student Support Services Project/STEM." **Dr. Christine Bertz**, research assistant professor in the Center for Research in Educational Policy, was awarded \$249,574 from the U.S. Department of Education (U.S. DoEd) for continuation of her ongoing project "LASER Focused: A Model for Teaching Inquiry-Based Science to English Learners." **Dr. Kathryn Howell**, associate professor in the Department of Psychology, was awarded \$138,490 from the National Institutes of Health (NIH) in collaboration with the University of Notre Dame, for her project "Pregnant Moms' Program."

**Dr. Satish Kedia**, professor in the Division of Social and Behavioral

Sciences, was awarded \$104,800 from Substance Abuse and Mental Health

Services Administration (SAMHSA) in collaboration with Buffalo Valley Inc for

continuation of his ongoing project "MAT-Opioid Buffalo Valley Evaluation Project/SAMHSA." He was awarded \$104,800 from SAMHSA in collaboration with Monding Hearts. Inc. for continuation

with Mending Hearts, Inc for continuation of his ongoing project "MAT-Opioid Mending Hearts Evaluation Project/SAMHSA." He also received \$80,000 from SAMHSA in collaboration

with Buffalo Valley Inc for continuation of his ongoing project "BVI-SAMHSA Evaluation for Homeless."

J. Daniel Strahl, associate director in the Center for Research in Educational Policy was awarded \$89,950 from the

U.S. Department of Education in collaboration with the Virginia Department

of Education, for continuation of his project "Virginia 21st CCLC 2019."

Dr. Abby Parrill-Baker, dean of the

**Dr. Maryam Salehi**, assistant professor in the Department of Civil Engineering, was awarded \$24,945 from the U.S. Geological Survey in collaboration with the Tennessee Water Resources Research Center for her project "Investigate Industrial Facilities Storm Water Quality and SWPPP Performance.

**Dr. James Murphy**, professor in the Department of Psychology, was awarded \$24,941 from the University of Tennessee

"Pilot Study of Contingency Management

Assignment Randomized Trial (SMART) Design." He was awarded \$16,069 from

collaboration with McMaster University for his project "Using Neuroeconomics to Characterize State-Based Increases and

**Dr. Debra Bartelli**, research associate

Health Sciences Center for his project

and Behavioral Economics on Buprenorphine-Naloxone Treatment Adherence Using a Sequential Multiple

the National Institutes of Health in

Decreases in Alcohol Value.'

Psychology, was awarded \$11,078 from the National Institutes of Health in collaboration with Kent State University, for his project "The Food Allergy Superheroes Training (FAST) Program: Increasing Adherence to Food Allergy Safety Guidelines." **Dr. William Shaltis**, assistant professor in the School of Music, was awarded \$2,300 from the Tennessee Arts Commission for his project "Jerry Tachoir Group - Masterclass and Performance." \* Data is reported on the 18th of each

month. Any awards finalized after the 18th of each month will be reported in

the following month's report.

**Accepting Funded Research** Resource for faculty and staff Research Development and Sponsored teams responsible for the review and submission of proposals (grants, contracts, cooperative agreements, nonreview and acceptance of any sponsored project funds. The team includes Pre-Award Services, Contract and Award Services, Electronic Research Administration and Research Development. They are located in 315

RESEARCH AGRICULTURE & FOOD TECHNOLOGIES

professor in the Division of Epidemiology, Biostatistics and Environmental Health,

**Reviewing, Submitting and** Programs are the central research support monetary) to external sponsors and for the Administration Building. Quick Guide available here.

TO RESEARCH AND SPONSORED PROGRAMS

A critical tool provided to all faculty on campus. Come learn how to search for funding with Grant Forward. **FINDING FUNDING: NSF** NOV. 22 | 12:30-1:30 PM | AD ROOM 191 Your NSF funding questions answered. We will provide a high-level overview of NSF functions and opportunities followed by a Q&A.

across campus.

**FACULTY RESEARCH** WORKSHOP SERIES The Division of Research and Innovation in partnership with the Herff College of Engineering and the College of Arts & Sciences is excited to announce the 2019-20 faculty workshop series. This free workshop series is designed to help faculty and doctoral students answer frequently asked questions, provide professional development around critical skills and create opportunities for networking and interdisciplinary collaboration **NAVIGATING GRANT FORWARD** NOV. 7 | 12:45-1:45 PM | AD ROOM 191

**University of Memphis Research + Innovation Magazine** Leading Through Innovation

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Got this as a forward? Sign up to receive our future emails.

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

Subscribeto our email list.

The University of Memphis will host the International (SRAI) for a two-day training session Nov. 14-15. The training will cover topics related to grants and research training or to register, contact Latica Jones

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**FACULTY PERSPECTIVE: NAVIGATING SBIR AND STTR** Join faculty who have lived through the SBIR process,

**ENTREPRENEURIAL DEEP SCIENCE POST** 

Science-based patents often » Salary and benefits for two years » Funds for initial startup costs

Wastewater treatment via Ag-C composite nanostructure derived using "green" Profiles of chemical contaminants and antibiotic resistance in surface soil of The cluster is led by **Dr. Duane McKenna**,

(Fishbowl)

<u>Meetup</u>

<u>Nik Puri</u>

<u>DevMemphis Meetup</u> Nov. 5 | 6-7:30 PM | FIT 226

Nov. 5 | 7-8 PM | FIT 227

**NEWS TO FEATURE IN THE RESEARCH + INNOVATION** We welcome the opportunity to highlight the research infrastructure and innovation capabilities at the University of Memphis. Email major award notifications, conferences to stories, initiatives, etc., for inclusion

Meet the PostDocs who have joined the University of

emma

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