



# Research, Innovation & Impact

University of Missouri

September 2024

**Click to view July  
research grants and contracts**

## BUILDING BONDS FOR DISCOVERY



Bond Life Sciences Center

University of Missouri



### Celebrate two decades of discovery

Time flies when you're partnering in the pursuit of research, and on **Sept. 26**, Bond Life Sciences Center celebrates 20 years of working together to tackle humanity's most pressing challenges. Check out the [new Bond LSC anthem video](#) and join the [anniversary festivities](#).



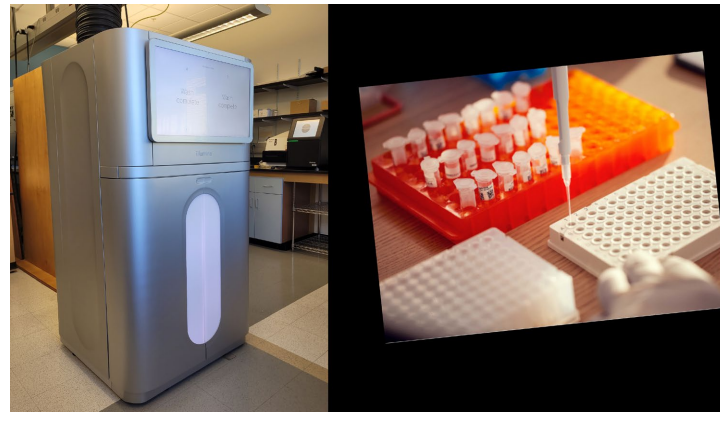
### Tiger businesses take off

Mizzou graduates continue successful trajectories with their startups after participating in Entrepreneur Quest (EQ), a program of the Griggs Innovators Nexus that provides funding and coaching to help students launch businesses. Watch the [pitch competition](#) on **Sept. 17** to determine EQ's 2024 class.



### Reminder: IRB's new requirement for students

The Institutional Review Board (IRB) now requires students conducting research with human subjects to take a one-time, online training — in addition to CITI training — before submitting their first IRB application.



### Genomics Technology Core has cutting-edge sequencer

Reading genetic code is now quicker and less expensive with the newly acquired NovaSeq X, left, the most advanced DNA sequencer available from Illumina. The powerful instrument has been in production and generating data since July 1.



### Dedication and grit

This summer, veterans with service-connected disabilities from 13 states participated in Mizzou's entrepreneurship bootcamp, a program that empowers them to employ higher education skills, resources and infrastructure to boost their businesses.

## Professional development

**Sept. 9, 2 p.m.** (virtual) – This month's [HRPP/IRB research compliance seminar](#) focuses on investigator training, qualifications and responsibilities. ([Request Zoom link](#).)

Learn how to use [LabArchives](#), an electronic lab notebook that faculty, staff and students can use to collaborate, share and capture data from a variety of research activities by [registering for one of the following webinars](#): **Sept. 10, 10 a.m.**; **Sept. 12, 3 p.m.**; **Sept. 23, 2 p.m.**; or **Sept. 25, 9 a.m.**

**Sept. 13, 1 p.m.** (virtual) – The [Finding Funding Resources and Tools overview](#) will guide researchers through resources and tools useful in identifying funding opportunities and collaborators: Pivot, NIH RePORTER, the UM Scholar's database, NSF's proposal search tool and Dimensions. ([Register](#))

**Sept. 19, 1 p.m.** (virtual) – Offered by MU Libraries, [Maximizing Your Research Identity and Measuring Research Impact](#) covers the usefulness of various researcher profiles and highlights how to find research output metrics.

Join MU Foundation Relations for an information session about the [W. M. Keck](#) limited submission program, including funding priorities and application process. Internal submissions are due **Oct. 14**. [Email questions to Donna Van Pelt](#), executive director of foundation relations.

- **Sept. 19, 3:30 p.m.** – Information session one ([Register](#))
- **Sept. 25, noon** – Information session two ([Register](#))

**Oct. 4, noon** (213 Ellis Library) – [Transcribing Historical Documents With Transkribus](#), an AI-powered platform for text recognition and searching of historical documents in multiple languages.

The Division of Research is hosting [webinars that showcase Research Analytics services](#). Those who attend all three events are eligible to receive a free T-shirt while supplies last.

- **Oct. 4, noon** – [Research Analytics 101](#) offers an overview of services available to the Mizzou community.
- **Oct. 11, noon** – The [Introduction to Dimensions](#) webinar will showcase how researchers can use this powerful database to find collaborators, track funded activity, identify trends and more.
- **Oct. 25, noon** – The [Federal Budget Overview](#) will include a breakdown of the budget process, emerging research trends and funding priorities of major agencies, such as the NSF, NIH and NEH.

**Oct. 10, 8 a.m.–4 p.m.** (Lafferre Hall) – Faculty and students involved in remote sensing research can participate in a workshop featuring earth observation datasets and analytical tools available through the [Taylor Geospatial Institute's](#) partnership with Planet Labs. [View agenda and register](#).

## New research opportunities for students, postdocs



### NextGen Postdoctoral Fellows

#### Program

Late-stage graduate students or early-stage postdocs doing human health research should **apply by 5 p.m. Oct. 15**. Fellows begin work in January 2025 at any of the four UM System universities and receive a \$70,000/year stipend.

### Connections Café

The Division of Research and the Graduate School are offering a Connections Café **for graduate students from 1-3 p.m. Oct. 18**. Participants will find research intersections and learn about Team Science, a collaborative, cross-disciplinary approach to scientific inquiry.

## Team Science

## Important dates

### Deadlines

#### Institutional Biosafety Committee

**Sept. 17:** Submit research protocols for Oct. 17 meeting.

#### Institutional Review Board (IRB)

**Sept. 25:** [Submit](#) human subjects research applications, amendments and annual updates for Oct. 9 full board review.

#### Research Council Grants

**Oct. 14:** Applications are due by 5 p.m. [Email questions to Internal Funding staff](#).

#### Limited submissions funding

**Sept. 9:** [NIH Nutrition Obesity Research Centers](#)  
**Sept. 9:** [Research Resource Center for NIH Nutrition Obesity Research Centers](#)  
**Oct. 14:** [W. M. Keck research grants](#) for medical, science and engineering projects  
**Oct. 21:** [NIH Enhancing Science, Technology, Engineering and Math Educational Diversity \(ESTEEMED\) Research Education Experiences](#)

### Events

#### Extra Credit film series

**Sept. 16, 6 p.m.** (Ragtag Cinema) – “Selena” and researcher panel discussion

#### NextGen Precision Health Discovery Series

**Sept. 24, noon** – “Developing Gene-Based Therapies for Genetic Disorders: A Joint Effort by Biotech, Academia and Patient Groups”

#### State of the University Address

**Sept. 25, 10 a.m.** – President Mun Choi will share Mizzou's progress and future plans. ([RSVP by Sept. 16](#).)

#### Grant Connections meeting

**Oct. 2, 10 a.m.** – The ins and outs of cost sharing in sponsored research ([Zoom link](#))

#### NextGen Motor Neuron Symposium

**Oct. 11** – This day-long event will unite preclinical and clinical researchers advancing our understanding of ALS and other motor neuron diseases. ([Register](#))

## Things to know



### Vaccine developed for tick-borne disease

MizzouForward researcher Roman Ganta has created the first effective vaccine that protects cattle from bovine anaplasmosis, benefiting both animal health and the agricultural economy. [More research news](#)



### Liu receives DARPA's Young Faculty Award

Mushuang Liu, assistant professor of mechanical engineering, received Mizzou's first Young Advanced Research Projects Agency (DARPA) Young Faculty Award for her autonomous systems research. [More accolades](#)

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