



ACCELERATE YOUR RESEARCH

Get funded and manage your project with our resources.



Research, Innovation & Impact
University of Missouri

RESEARCH.MISSOURI.EDU

Dear Researchers,

We are grateful that you are part of the University of Missouri's thriving community of faculty, staff and students involved in research, scholarly and creative endeavors. Your work is pushing the boundaries of what's possible and exploring frontiers that will benefit Missouri and the world.

At the Division of Research, Innovation and Impact, our mission is to empower you to increase the quality and quantity of proposal submissions and to expand collaborative, interdisciplinary research across campus.

Do you have a vision for your research but aren't sure where to begin? Need guidance on navigating federal agencies like the National Institutes of Health or the National Science Foundation to get your project funded? Wondering what compliance training is required before working with patients?

We know you are the expert in your field, and your ideas drive progress. But we also understand that securing funding, meeting regulatory requirements and managing the complexities of grant proposals can be challenging.

Within these pages, you'll find an overview of the resources, services and training we offer to help you develop your research skills, find funding opportunities and bring your ideas to life. Our goal is to support you so you can focus on what you do best — finding answers to society's most pressing problems.

Thank you for your dedication, hard work and passion. We're proud to support you.

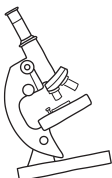


Thomas E. Spencer
Vice Chancellor for Research



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THE CONNECTOR AND BROADER IMPACTS

The National Science Foundation (NSF) and other federal agencies now require researchers to justify not only the intellectual merit of their proposed research, but also its “broader impacts.” The NSF defines broader impacts as the potential to benefit society and contribute to the achievement of specific, desired societal outcomes.

The Connector will help you develop a strong research impact plan based on your individual interests and resources.

SERVICES

Development of broader impacts and engagement plans

Researchers can receive one-on-one consultations to develop engagement activities for their proposals. We will work with you to identify a goal that highlights your strengths and meets the requirements of your funding agency. We help you identify partnerships through our network with campus and community resources to build a strong team to implement your plan.

Program development

Researchers can meet with The Connector experts for support in the development, implementation and evaluation of new engagement programming.

Engagement programming

The Connector supports programming opportunities to engage with the local community and the state of Missouri like:

- Extra Credit, a monthly pop culture movie series at Ragtag Cinema that includes a panel discussion with Mizzou researchers and an audience Q&A.
- The Columbia Young Scientists Expo, a free, hands-on science event for K-12 students held on Mizzou’s campus annually.

Learn more about The Connector:

theconnector.missouri.edu

theconnector@missouri.edu

PROFESSIONAL DEVELOPMENT

The Division of Research provides growth opportunities focused on increasing your confidence, skills and productivity throughout the life cycle of a research or creative works project. Our professional development team works hand-in-hand with staff at The Connector.

Programs

Sustained support and training includes the NSF CAREER Club, Principal Investigator Leadership Program, the Early Career Researcher Workshop Series and the Charting Research Pathways Program.

Workshops

One-to-two-hour webinars focus on research development topics. Request custom webinars by email or through our website.

Team science

Collaborative events are designed to help teams of researchers build new connections, identify new lines of inquiry, plan for future projects and ideate around funding opportunities.

Researcher consultations

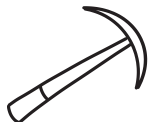
Meet with us to discuss your research development needs, including research planning, team and project management, finding funding, proposal feedback, grant writing support, identifying potential partners and more.

Self-paced learning

Hone your research skills by reviewing archives of recorded workshops, fact sheets and other handouts on our website.

research.missouri.edu/professional-development

muresearchprodev@missouri.edu



CORES AND CENTERS

Mizzou's advanced technology core facilities centralize shared resources to provide access to instruments, equipment, technologies and expertise that go beyond what individual labs and campus units can offer. Core services, which range from electron microscopy to genomics, are an integral part of our research enterprise. Each facility houses instrumentation and experts to help researchers from across the University of Missouri System, as well as industry partners, attain their scientific goals.

Our research centers unite investigators from different disciplines to tackle shared goals. Their collaborative environments spur innovation and unique approaches to scientific discovery.



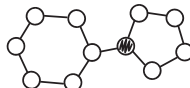
Advanced Technology Core Facilities

Advanced Light Microscopy	Laboratory for Infectious Disease Research
Animal Modeling	Metabolomics Center
Bioinformatics and Analytics	Molecular Interactions
Cell and Immunobiology	Nuclear Magnetic Resonance Core
Cognitive Neuroscience Systems	PET Imaging Center
Electron Microscopy	Plant Transformation
Flow Cytometry	Small Animal Phenotyping
Gehrke Proteomics Center	X-ray Microanalysis
Genomics Technology	

Research Centers and Resources

Christopher S. Bond Life Sciences Center	MU Research Reactor
Dalton Cardiovascular Research Center	Mutant Mouse Resource and Research Center
Interdisciplinary Plant Group	National Swine Resource and Research Center
Materials Science and Engineering Institute	NextGen Center for Influenza and Emerging Infectious Diseases
Metagenomics Center	NextGen Precision Health initiative and Roy Blunt NextGen Precision Health building
Missouri Center for Addiction Research and Engagement (MO-CARE)	Plant growth facilities
Missouri Prevention Science Institute	Rat Resource and Research Center
Molecular Imaging and Theranostics Center	Thompson Center for Autism and Neurodevelopment
MU Research Data Center	

research.missouri.edu/cores-centers



RESEARCH ANALYTICS

The Research Analytics team provides research and sponsored projects reporting, analyses and strategic decision support for the Mizzou community. Our work products include:

- Self-service and on-demand reporting that is accurate, insightful and timely.
- Strategic decision support analyses for trends, goal setting, national benchmarking and targeted initiatives.

We can help you:

- Leverage research data to find collaborators and gain actionable insights about funding opportunities.
- Review and prepare your sponsored data for promotion and tenure.
- Develop data visualizations and metrics for your presentations, papers and more.

research.missouri.edu/research-analytics

researchanalytics@missouri.edu



RESEARCH SECURITY AND COMPLIANCE

Research security

The U.S. government requires the safeguarding of federally funded research from misappropriation and undue foreign influence. We facilitate the implementation of federal requirements for research security programs.

Export controls

Export controls are federal laws restricting the transfer of goods and technology to persons and entities outside the U.S. These laws and regulations apply when there are:

- Potential military applications.
- Concerns about the destination country or user.
- National security concerns about the export's use.

When export controls apply, they apply to all activities, including but not limited to, sponsored research. We work collaboratively with University of Missouri System offices and outside agencies to ensure the university complies with export control laws and regulations.

Sanctions

The U.S. Department of the Treasury administers sanctions to achieve national security and foreign policy objectives. Before engaging with foreign parties, please contact the Research Security and Compliance team. They will determine if the party is subject to sanctions and ensure Mizzou has any necessary government approvals.

Controlled Unclassified Information (CUI)

The UM System offers Microsoft GCC High, called Arculus, to meet the safeguarding requirements for CUI. Faculty must work closely with Research Security and Compliance and research information security professionals to ensure CUI is appropriately protected.

research.missouri.edu/research-security-and-compliance

researchsecurity@missouri.edu

SPONSORED PROGRAMS ADMINISTRATION

Sponsored Programs Administration (SPA) oversees grants and contracts awarded to the Curators of the University of Missouri (known as sponsored projects).

Sponsored projects are funded by entities outside the university for a specific purpose, such as research, scholarly or instructional activities, travel or conference attendance, training or public service.

They include a description of the scope of work for a defined period of time; a budget; and a designated principal investigator, program director or other project leader.

The funding can be delivered through an award, grant, contract, cooperative agreement, memorandum of understanding, purchase order or other agreement that restricts or places terms and/or conditions upon the use of the funding or property.

SERVICES

- Advice and assistance with budget preparation and other administrative requirements of proposals.
- Review, negotiation and acceptance of awards.
- Information regarding policies and regulations.
- Issuance and administration of subcontracts and other subawards.
- Sponsor communications.
- Award management, reporting and closeout.

research.missouri.edu/sponsored-programs-administration

grantsdc@missouri.edu



HUMAN SUBJECTS

When conducting studies using human research participants, researchers must adhere to the policies and procedures of the Institutional Review Board (IRB). Start with steps on our website for study submission and review. Make sure you complete all required training modules to avoid delays in the IRB approval process.

If you are transferring a grant or project, contact the MU IRB office *early* to ensure a smooth transition of research activities and training. If IRB oversight will stay at your previous institution, and you continue to be engaged in the research, submit an Initial Reliance Request Form in eCompliance. Our website provides guidance on this and many other topics, including student research and study participant outreach.

research.missouri.edu/human-subjects-research

muresearchirb@missouri.edu

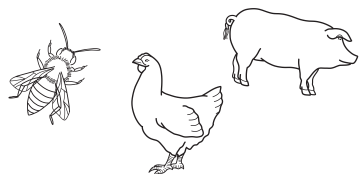
ANIMAL RESEARCH

Animal research at Mizzou is overseen by three distinct groups: the Office of Animal Resources (OAR), the Animal Care and Use Committee (ACUC) and the Animal Care and Quality Assurance office (ACQA). Each has a specific role to ensure Mizzou's animal research is conducted safely and humanely.

The OAR provides veterinary care for university-owned animals and maintains all campus facilities. The ACUC ensures that MU follows all laws and regulations regarding animal research. The ACQA provides support for the ACUC and also ensures that animal researchers and their personnel are properly trained to perform animal research.

research.missouri.edu/animal-research

acuc@missouri.edu



TECHNOLOGY ADVANCEMENT AND INDUSTRY PARTNERSHIPS

Technology Advancement partners with Mizzou researchers, industry, entrepreneurs and investors to turn university innovations into commercial products and services. We help investigators leverage the impact of their work by:

- Evaluating inventions for novelty, utility and market potential.
- Securing intellectual property protection, such as patents and copyrights.
- Identifying potential commercial partners and mentors.
- Negotiating and managing licenses and other agreements.
- Managing invention reporting and compliance requirements from federal, state and industry sponsors.

Researchers who think they have an innovation should submit a confidential Invention Disclosure Form. Make sure to contact us *early* for feedback and *before* you share your work publicly.

research.missouri.edu/technology-advancement-overview

techadvancement@missouri.edu

Mizzou investigators pursuing translational research funding or strategies to bring their innovations to market have access to several campus-based accelerators.

research.missouri.edu/mizzou-lab-2-market

The Division of Research also works with industry partners that sponsor research, license Mizzou innovations, use the advanced technology cores, conduct clinical trials and more.

research.missouri.edu/industry-partnerships



WE CAN TELL YOUR STORY

It's important to tell the Mizzou community (and beyond) about how your research and creative activity improve the quality of life, expand our understanding of the world, foster innovation and prepare a highly educated workforce.

The communications team within the Division of Research will connect you to the larger campus channels that can produce content with you to increase the visibility of your work through media coverage and other opportunities. Our team also creates a monthly Division of Research newsletter and is happy to share your successes, so please let us know if you have ideas for content.

muresearch@missouri.edu



FAQs

What is eCompliance?

You'll find research-related training modules and required forms on this web portal. Log in with your Mizzou credentials at ecompliance.missouri.edu.

Where do I go for questions about myVITA and Academic Analytics?

The Provost's office manages these tools. Visit provost.missouri.edu.

Where can I find policy updates from federal sponsors?

Information is posted on research.missouri.edu/federal-updates.

I am feeling overwhelmed. How do I start my research journey?

Schedule a consultation with the professional development team to get connected with relevant resources and identify next steps.

Where can I find information on sponsored projects and funding?

The Research Analytics team offers self-service, monthly reports in Power BI or Excel formats as well as customized reports and analyses.

Do I need to do anything before I travel internationally?

International travel may require advance authorization or additional review depending on your destination, activities and use of university resources. Visit research.missouri.edu/international-activities.

How do I get Institutional Review Board (IRB) approval for my research with human subjects?

Submit your application in eCompliance. The deadline to submit full board applications, amendments and annual updates is the 25th of each month. Exempt and expedited studies have no deadline.

Why do grant proposals go through the Sponsored Programs Administration (SPA) before submission to the sponsor?

SPA has delegated authority to sign agreements on behalf of the university. Faculty and staff investigators cannot sign contracts binding Mizzou to obligations outlined in their proposals.

How do I transfer my grant?

The process of transferring awards from one institution to another requires negotiation with the sponsoring agency, the researcher's previous institution and Mizzou. Contact the grants office in your college or school for more information.

What happens after I disclose my invention?

Technology Advancement will discuss the invention with you and evaluate it for novelty, utility, patentability and market potential. Visit umsystem.edu/policies to access the university's Collected Rules and Regulations regarding intellectual property, patents and copyrights.

Can I consult for a private company or start a business?

Employees pursuing outside professional or commercial activities are required to disclose potential conflicts of interest on eCompliance. Visit coi.missouri.edu.

What does the Institutional Biosafety Committee do?

The committee approves and oversees all research activities involving recombinant and synthetic nucleic and acid molecules, and human, animal and plant pathogens. Researchers submit protocol applications via eCompliance.



CONTACT INFORMATION

Animal Research

acuc@missouri.edu

Broader Impacts

theconnector@missouri.edu

Communications

muresearch@missouri.edu

Conflict of Interest

muresearchcoioffice@missouri.edu

Human Subjects Research and IRB

muresearchirb@missouri.edu

Information Technology

Research Support Solutions

itrss@missouri.edu

Institutional Biosafety Committee

ibc@missouri.edu

Internal Funding

internalfunding@missouri.edu

Professional Development

muresearchprodev@missouri.edu

Research Analytics

researchanalytics@missouri.edu

Responsible Conduct of Research

grantsdc@missouri.edu

Research Security and Compliance

researchsecurity@missouri.edu

Sponsored Programs Administration

grantsdc@missouri.edu

Technology Advancement

techadvancement@missouri.edu

Follow Mizzou Research on LinkedIn

for news, events and opportunities.



mizzou.us/MizzouResearchLinkedIn



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