



MISSISSIPPI STATE
UNIVERSITY™

OFFICE OF RESEARCH AND
ECONOMIC DEVELOPMENT

FALL
2021

Research Seminar Series

www.research.msstate.edu/seminars





Should I Disclose That? Tips for helping faculty properly disclose outside activities

Wednesday, August 25, 2021

2:00 – 3:30 p.m.

Kacey Strickland, Director, Office of Research Compliance & Security

Alyssa Hutcheson, Compliance Administrator, Office of Research Compliance & Security

Faculty are obligated to disclose outside activities in multiple places to different offices and agencies. Federal sponsors continue to issue clarifications, guidance, and updates to existing requirements. It is important for researchers to be aware of these developments to ensure compliance with federal requirements. There are many recent examples at other universities where faculty have failed to disclose this information and have found themselves in violation of funding agency policy and even federal law. This session will discuss which outside activities need to be disclosed, how to disclose, and to whom when receiving federal funding.

Responsible Conduct of Research credit will be given for attendance.



Research Development and Research Administration: Different sides of the same coin

Thursday, August 26, 2021
2:00 – 3:30 p.m.

Stephanie Hyché, Director,
Office of Research Development

When it comes to external funding, you need both development and administration support to prepare a successful proposal. This presentation will explain the function and scope of these unique services, the future of each field with regard to professional development and career opportunities, as well as how MSU's Research Development and Sponsored Projects Offices can assist you. This program is appropriate for all audiences: faculty, staff, and students.

Types of Funding: An overview of standard project types

Tuesday, August 31, 2021

1:00 – 2:30 p.m.

Carmen Giles, Research Development Specialist,
Office of Research Development

Ashley Joiner, Research Development Specialist,
Office of Research Development

While no two funders are the same, there are several specific categories of funding mechanisms you want to be familiar with to create a strong research agenda or funding portfolio for research or other projects. This program will explain the major categories of funding source types, such as single investigator, conference, planning, supplement, center, to name a few, and describe the typical elements of each.





Copyright for Journal Publishing: What you need to know

Wednesday, September 1, 2021

2:00 p.m. – 3:30 p.m.

Mary Ann Jones, Associate Professor, Mississippi State University Libraries

Digital publishing continues to increase in academia, so to maximize the value of your research, an active role must be taken in managing the copyrights of your work. Faculty and researchers must know the ins and outs of copyright as it relates to journal publishing. During this seminar you will gain details pertaining to authorship to include how to avoid plagiarism and copyright violations, seeking permission to use content, how to read your author contract, and how to retain your copyright.

Responsible Conduct of Research credit will be given for attendance.



New NSF Opportunity for Mid-Career Advancement

Wednesday, September 8, 2021

2:00 p.m. – 3:00 p.m.

Leslie J. Rissler, Directorate for Biological Sciences,
National Science Foundation

The National Science Foundation recently launched the Mid-Career Advancement program exclusively for scientists and engineers at the Associate Professor rank (or equivalent) to advance their research programs and to support faculty at this critical mid-career stage where they are often constrained by service, teaching, or other activities that limit the amount of time devoted to research. The MCA program is the only cross-directorate NSF program specifically aimed at providing protected time and resources to established scientists and engineers at the mid-career stage. The closing date for the next MCA funding cycle is February 7, 2022. Dr. Leslie Rissler of the NSF will present information and share resources about this new opportunity, as well as answer questions from the audience.





Search for Funding



Advanced Search

Introduction to Pivot: A funding finder and collaboration tool

Thursday, September 9, 2021

1:00 – 2:30 p.m.

Kristen Sendelweck, Research Support Coordinator, Office of Research Development

MSU is pleased to support Pivot, a tool for use by faculty and staff to identify funding sources and facilitate collaboration for external funding opportunities. This session will demonstrate the platform's basic features and provide instruction on creating a profile, conducting searches, and using the system to find and share funding source information with collaborators. This session is appropriate for any faculty or staff member interested in locating sources of external funding for research, programmatic, outreach, and other projects.

Building a Logic Model for Your Proposal

Tuesday, September 14, 2021

10:00 a.m. – 11:30 a.m.

Donna Peterson, Extension Professor,
School of Human Sciences

A logic model helps us think through plans for a project. This often-overlooked step in the planning process should actually drive and focus proposal development. Sometimes called a Theory of Change, a logic model is central to the monitoring and evaluation plan. It helps communicate to clients and funders how the project will work. Logic models identify and connect program inputs, interventions or activities, as well as outputs, outcomes and impact. Logic models should be tightly coupled with proposal objectives. Well-conceived logic models are based on relevant disciplinary research and developed in consultation with other faculty, potential clients, and stakeholders. Attend this seminar and discover the basics of building a logic model for your proposal!



**Dr. Margaret Martonosi, Assistant Director
Directorate of Computer & Information Science & Engineering (CISE)
National Science Foundation**

Wednesday, September 15, 2021
10:00 a.m. – 12:00 p.m.

The CISE Directorate supports investigator-initiated research and education in all areas of computer and information science and engineering, fosters broad interdisciplinary collaboration, helps develop and maintain cutting-edge national cyberinfrastructure for research and education, and contributes to the development of a computer and information technology workforce with skills necessary for success in the increasingly competitive global market.. The CISE funding priorities and core programs cover a wide gamut of topic areas to include not just electrical/computer engineering or computer science, but computational sciences, robotics, precision agriculture, autonomous vehicles, artificial intelligence, quantum and biological sciences, as well as the convergences within and among these and other fields.

Dr. Martonosi will discuss the programs throughout this directorate so that participants, both students and faculty, will have a good idea of the funding topics and opportunities available. She will provide a brief overview of CISE and where it is headed and then will have an extended Q&A informational session based on questions that participants have provided in advance as well as those at the present time. She will then spend time with our students so that they can learn about specific opportunities and ask questions that pertain to funding topics that they are interested in learning more about.

Come and gain a lot of information in a short time so that you are aware of the many topical areas of funding available through the CISE Directorate at NSF.

Undergraduate and graduate students are encouraged to attend.





Coordinating Team Collaboration and Deliverable Output Through Productivity Pipelines

Tuesday, September 21, 2021

2:00 p.m. – 3:30 p.m.

Reuben Burch, Assistant Professor, Industrial & Systems Engineering
Associate Director, Human Factors & Athlete Engineering, CAVS

The Athlete Engineering Research Team at MSU is an interdisciplinary collaboration that, on any given project, can span across more than six departments, three research centers, MAFES, ORED, and athletics, as well as the local community college. Coordination of this many partners on a regular basis makes for exciting research but also presents many management and logistical challenges on everything from running funded grants, writing proposals, distributing publication work, and submitting intellectual property disclosures. To manage the deliverable output with work loads that are equally distributed across all teammates, multiple productivity pipeline processes have been established for proposals, papers, patents, students, awards, and leadership opportunities. Two of the primary success characteristics for Athlete Engineering are that we (1) Operate independently but compete collectively and (2) Execute with a sense of urgency. Success toward these expectations requires a unified team approach, a documented, distributed workload, and accountability that the pipelines provide.

Responsible Conduct of Research credit will be given for attendance.

Research and Development with ERDCWERX: Opportunities for academia

Thursday, September 23, 2021
10:00 – 11:30 a.m.



Paul Sumrall, Director, ERDCWERX

Julie Jordan, Vice President for Research and Economic Development, MSU

ERDCWERX is a regional innovation hub which supports the U.S. Army Engineer Research and Development Center (ERDC) by helping to identify new partnerships for innovation and commercialization and to promote pathways for project success. Opportunities exist within a network of WERX affiliates to support defense related research priorities by driving technologies faster and more efficiently to meet warfighter needs, identify new solution providers and opportunities for collaboration, to facilitate technology transfer and create new business environments. ERDCWERX provides a number of tools and resources, among them the ability to leverage capacities of researchers, entrepreneurs, and businesses to advance the development, assessment, efficacy, and deployment of new technologies to solve complex problems.

As we anticipate more funding opportunities through the ERDC, it is important to know more about how these two entities are connected and the ways for involvement for our faculty and researchers. Mr. Sumrall will present on the mission and goals of ERDCWERX and target interest areas and initiatives, mechanisms for supporting research and development, and the processes through which researchers may engage with the group to identify capacities and build partnerships.



Selling Yourself and Getting the Job

Wednesday, September 29, 2021

2:00 p.m. – 3:30 p.m.

Carley Morrison, Assistant Professor,
School of Human Sciences

Etiquette, in general terms, is often defined as a code of "polite conduct and proper behavior". It refers to the rules that indicate the "proper and polite way to behave" so as to avoid offending or annoying other people. Job interview etiquette is no different. A successful job interview begins long before the initial meeting. Research, planning, effort and preparation must first take place prior to the first handshake. No matter the type of meeting (in person, telephone, over the internet, business meal, etc.) you need to make a positive and memorable impression. Because you want the job you have to impress the interviewer, not just with your skills, experience and other qualifications, but the overall package -- that is YOU. In this seminar we'll help you identify ways that will make you stand out and appear confident and in control from your cover letter to your thank you note.





Proposals and Awards Workshop (PAW)

Friday, October 1, 2021

Fowlkes Auditorium, Colvard Student Union

Business Managers/Administrators: 10:00 a.m. – 12:00 p.m.

Faculty/Investigators: 1:00 p.m. – 3:00 p.m.

This event will provide a high-level overview on the entire lifecycle of grants at MSU, including positioning and planning for success, pre-award proposal preparation, processes and policies, and post-award regulations, procedures, and steps for fiscal and administrative compliance. The content will be presented in two identical sessions: one (morning) aimed at business managers and support personnel, and a second (afternoon) for faculty/investigators. This will be a hybrid program with virtual and in-person attendance options. Pre-registration is required, as lunch will be provided for in-person attendees. Presenters include staff from ORED support units; facilitated by the Office of Research Development.

Registration: www.tfaforms.com/4908944

*lunch provided for only those who register

Responsible Conduct of Research credit will be given for attendance.

Partnerships and Funded Projects: A panel discussion

Tuesday, October 19, 2021

1:00 – 2:30 p.m.

Moderator: **Stephanie Hyche**, Director, Office of Research Development

As funding streams emerge and evolve in response to the unique societal challenges, administrative priorities, and legislative policies of the day, partnerships among various types of institutions are essential to funding success, impactful research outcomes, and inclusive program engagement. MSU is well-positioned to maximize strong relationships with institutional partners, including community colleges, federally designated Minority Serving Institutions, and Historically Black Colleges and Universities, industry and workforce entities, and non-profit organizations for broad impact. This panel discussion, which features colleagues representing these institutions, will shed light on the benefits and opportunities of partnerships and discuss best practices for mitigating the administrative and logistical challenges associated with fostering inter-institutional relationships on externally-funded projects.





Security Awareness – Critical

Thursday, October 21, 2021

2:00 – 3:30 p.m.

Fowlkes Auditorium, Colvard Student Union

Tom Ritter, Senior Security and Compliance Officer, Office of the Chief Information Officer

Whether you're new to the campus or a seasoned employee this presentation is meant to inform and focus your attention on issues related to actual MSU security events. We will discuss the newest campus attacks and survey past issues to have insights into the broader campus security culture and changing higher education regulatory landscape.

This session is part of MSU's Cyber Security Week.

Responsible Conduct of Research credit will be given for attendance.

**Learning Through Lawyer Jokes...
the E-Center, General Counsel, and OTM
Discuss Innovation and Entrepreneurship
at MSU**

Tuesday, October 26, 2021
2:00 p.m. – 3:30 p.m.

Jeremy Clay, Director, Office of Technology Management
Eric Hill, Director, Center for Entrepreneurship and Outreach
Dylan White, Assistant General Counsel, General Counsel and
Trademark Licensing

These three experts will host a light-hearted discussion and Q&A about innovation and entrepreneurship at MSU. A powerful combination of the minds, participants will learn about campus resources that support working with industry, getting innovations out of the lab and into the marketplace, and creating new university spin-out companies. Come and be a part of a fun-filled, educational conversation on innovation and entrepreneurship.



Safeguarding MSU's Proprietary Information: How you can mitigate foreign influence concerns

Wednesday, October 27, 2021

11:00 a.m. – 12:00 p.m.

Fowlkes Auditorium

Steven Robertson, Special Agent,
Federal Bureau of Investigation

A recent focus on research security led Congress to ask the FBI to engage with academic institutions to protect American innovation and cutting-edge research. An FBI Special Agent will present a seminar on what the FBI perceives to be a principal threat to the security of proprietary and sensitive research at MSU. The briefing will discuss vulnerabilities, case studies, and statistics to help protect MSU. This briefing is sponsored by the FBI in conjunction with the Office of Research Compliance & Security.

Responsible Conduct of Research credit will be given for attendance.





Innovation Workspace: Invention disclosures and agreements made simple

Thursday, October 28, 2021

2:00 p.m. – 3:00 p.m.

Jeremy Clay, Director, Office of Technology Management
Austin Check, Technology Licensing Coordinator and Government Compliance Manager, Office of Technology Management

Join us as we examine how tech transfer occurs at Mississippi State University and how it can have positive impacts on the inventors. In this session staff from the MSU Office of Technology Management will guide us through the technology transfer process; including disclosure, protection (copyrights, trademarks, patents, etc.) licensing, and revenue distribution. They will also demonstrate the recently launched “Inventor’s Workspace”, that allows real time feedback and support throughout the invention disclosure process.

BROADER IMPACTS SERIES

Advancing Research Impact in Society

Wednesday, November 3, 2021

2:00 p.m. – 3:30 p.m.

Office of Research Development Staff

What is “impact” and why does it matter? The “broader impacts” of a project represent a project’s ability to leverage broad and diverse resources to affect change or benefit a specific audience or sector of society. In the framework of higher education and external funding, the term “impact” refers to the significance of and implications for the proposed activities within and beyond the academic field. This program will introduce various types of impact a project may have, as well as examples of partners to explore and resources for integrating impactful activities into a proposal to meet funders’ requirements.

The BI Wizard Tool Demonstration

Wednesday, November 10, 2021

2:00 – 3:00 p.m.

Kristen Sendelweck, Research Development Coordinator, Office of Research Development

Broader impacts activities can take many forms and range in scope and duration. The Broader Impacts Wizard is an interactive tool developed by the Center for Advancing Research Impact in Society (ARIS) to support investigators in defining their Broader Impacts plans. This program will demonstrate this tool and additional resources for producing a comprehensive and competitive proposal and will be useful for preparing proposals to a wide variety of funders.

Communicating Research

Thursday, November 4, 2021

10:30 a.m. – 11:30 a.m.

David Garraway, Director, University Television Center

You've been awarded the grant and you've done the work; now you just need to tell people about it. But how do you get people to listen? In this presentation, David will discuss science communication from a storytelling perspective, drawing from the success of the TV Center's MSU Films initiative. The presentation will provide an understanding of the storytelling process and tips for developing ways to create connections with your target audience.

As Director of the University Television Center, David oversees the university's full-service television production facility and staff, providing high quality, meaningful programming designed to educate and inform.





The Surgisphere Scandal: A case study in research misconduct

Tuesday, November 9, 2021

2:00 – 3:30 p.m.

Katie Echols, Executive Director of Research Initiatives and Innovation,
Office of Research and Economic Development

Kacey Strickland, Director, Office of Research Compliance & Security

This session will dissect the case of an obscure US company with a hastily constructed website that drove international health policy and brought major clinical trials to a halt within the span of a few weeks. The case centers on a paper published in *The Lancet* that suggested hydroxychloroquine, an antimalarial drug, was associated with an increased risk of death in patients hospitalized with COVID-19. Within days, the study caused public health bodies including the WHO to change strategy and suspend recruitment of clinical trials. Shortly thereafter, however, cracks began to appear in the study and the many problems came to light. We will discuss how something like this could happen so quickly and whether it could be prevented from happening again. We will also consider the legacy for public health.

Responsible Conduct of Research credit will be given for attendance.

General Data Sources: Where to find them

Thursday, November 18, 2021

2:00 p.m. – 4:00 p.m.

Tracy Baham, Director, Office of Institutional Research and Effectiveness

Steve Grice, Executive Director, National Strategic Planning and Analysis Research Center

Alan Barefield, Extension Professor, Agricultural Economics



Data utilization has become a transformative tool for all aspects of education. Empirical data is available at numerous places and depending on your research project, you may need to gather data from multiple sources to get everything you need to answer your research question(s) and make your argument. The evidence that data provide can help you decide on the best answer for your question, but sometimes the data you need may not be in articles, books, and web sites that you've found. But that doesn't mean that it hasn't been collected and packaged in data depositories that make data available online. This seminar will provide information about where and how to find general data sources at MSU:

--Dr. Tracey Baham will share information about the various MSU data sets for students, faculty, staff and the institution, to include Integrated Postsecondary Education Data Systems (IPEDS) data, that is available and where to locate it on the Office of Institutional Research and Effectiveness website;

--Dr. Alan Barefield will share information pertaining to publicly available federal and state sources of secondary socio-economic data (e.g., the MSU Extension Service, the Economic Development Administration, the U.S. Census Bureau, Mississippi Department of Revenue, Internal Revenue Service, Office of the State Auditor, etc.) as well as proprietary data sources (Emsi, IMPLAN, Woods & Poole, Esri) that he and others have access to that can assist research or Extension/outreach efforts by faculty across the university.

--Dr. Steve Grice will share information about Mississippi's State Longitudinal Data System (SLDS), which includes over 15 years of administrative records from more than 25 education, workforce, and human service agencies in the state, including all public PK-12 schools, community colleges, and public universities.

Data is powerful for relevance and credibility for your work. Come and learn the quick and easy way to locate and access data by attending this seminar.



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To register: www.research.msstate.edu/seminars