NEWS
ENGINEERING RESEARCH ADMINISTRATION
AUBURN UNIVERSITY
Samuel Ginn College of Engineering

July 17, 2024

Vol. 2 No. 13

Announcements

NSF's Major Research Instrumentation (MRI) Program: Instrument Acquisition or Development

Internal Deadline: July 30, 2024 (4:45 p.m. CT)
Apply for a limited submission slot on InfoReady
Funder Deadline: November 15, 2024 (5:00 p.m. CT)
See the full solicitation here.

The MRI Program seeks to increase access to multi-user scientific and engineering instrumentation for research and training purposes in both academic institutions and not-for-profit organizations. An MRI award is also expected to enhance the research training of students and prospective instrument users, designers, and builders.

Proposals may request **up to $4 million** for either acquisition or development of a research instrument, and organizations may submit **up to four proposals** within the following Tracks:

- **Track 1**
  - Proposals requesting funds greater than $100,000 and less than $1,400,000
  - **Limit: 2 submissions**
- **Track 2**
  - Proposals requesting funds greater than or equal to $1,400,000 up to and including $4,000,000
  - **Limit: 1 submission**
- **Track 3**
  - Proposals requesting funds greater than or equal to $100,000 and less than or equal to $4,000,000 that include the purchase, installation operation, and maintenance of equipment and instrumentation to conserve or reduce helium consumption
  - **Limit: 1 submission**

Hanover Research Webinar

Thursday, July 25, 2024
11:00 a.m. CT
Zoom

Auburn is collaborating with Hanover's Grant Academy to provide faculty members with practical tips and trainings on how to submit more competitive proposals. In this webinar session, members from the Grant Team will discuss **how to apply storytelling principles** to build a stronger and more compelling narrative.

Register for the Zoom session here.

Funding Opportunities

ROSES 2024: Remote Sensing Theory for Earth Science

Science Mission Directorate (SMD) and NASA
Proposal Due: September 16, 2024
Areas of Interest: algorithms, earth remote sensing, radiative transfer, earth satellite applications
Total Project Amount: ~ $200,000

NASA's Remote Sensing Theory (RST) program is soliciting a funding opportunity to support advances in remote sensing theory and radiative transfer, including advancement of retrieval algorithms essential for space-based remote sensing of Earth's atmosphere, oceans, biosphere, cryosphere, land surface, and/or interior.

Specific areas of interest include, but are not limited to:

- **Theoretical algorithm advances:** research for advancing radiative transfer theory and calculations (e.g., remote sensing in regions of high heterogeneity)
- **Data "fusion"**: research to analyze disparate remote sensing data sets (e.g., concepts and methodologies that incorporate data from different satellite sensors, wavelength regions, and/or varying temporal and spatial resolutions)
- **Advanced corrections:** research for improved approaches and/or algorithms to correct satellite data (e.g., studies addressing atmospheric and other corrections for active sensors)

Total available funding of $3 million per year is expected to support approximately 15 investigators with proposal durations of up to 3 years.

See the funding solicitation on NASA's NSPIRES page for more information.

Electronics, Photonics and Magnetic Devices (EPMD)

Division of Electrical, Communications and Cyber Systems (ECCS) and National Science Foundation (NSF)
Full proposals accepted anytime
Areas of Interest: electrical engineering or electronics, materials processing, electromagnetics, nanotechnology, photonics

The National Science Foundation's EPMD program aims to enhance capabilities of micro-, nano- and quantum-based devices operating within the electromagnetic spectrum and contributing to a wide range of application domains including information and communications, imaging and sensing, healthcare, Internet of Things, energy, infrastructure, and manufacturing.

The program promotes research based on emerging technologies for miniaturization, integration, and energy efficiency, as well as novel material-based devices with enhanced functionalities, efficiency, flexibility, tunability, wearability, and reliability.

Read more about this funding opportunity on NSF's page.

Best Practices

Are You Eligible for Supplemental Funding?

Funders offer **supplements** to awarded grants for several reasons:

- to support ongoing research;
- to promote funding for special initiatives and urgent topics;
- to encourage researchers to conduct desired activities as part of their ongoing projects;
- and to spend smaller amounts of money that are insufficient to support a full project.

Below are several resources for locating and applying for supplements according to NSF and NIH. Prior to requesting supplemental funding, please ensure that you **check eligibility requirements**, as some are limited to specific types of grants.

National Science Foundation (NSF)

- **Career Life Balance (CLB)**
  - Supports additional personnel (e.g., research technicians or equivalent) when a PI, co-PI, graduate student, or postdoctoral researcher is on family leave
- **Research Experiences for Undergraduates (REU)**
  - Provides support (e.g., supplies or stipends) for one or two undergraduate students to participate in a new or ongoing NSF-funded project
- **Research Experience for Teachers (RET)**
  - Facilitates professional development of K-12 science teachers through research experience at the cutting edge of science
- **Research Opportunity Awards (ROA)**
  - Permits faculty members to pursue research as visiting scientists with NSF-supported investigators at other institutions

How to Find: New supplement opportunities from NSF are often announced via Dear Colleague Letters. Navigate to NSF's Funding Opportunities page to browse current and archived letters.

How to Submit: Supplemental funding requests must be submitted through Research.gov, and a complete demonstration of how to request supplemental funding can be found on research.gov's NSF Supplemental Request Preparation page.

National Institutes of Health (NIH)

Administrative supplements seek to meet increased costs and/or cover unforeseen costs within the the project's scope of work. NIH offers supplement funding opportunities for specific programs, including:

- Research Supplements to Promote Diversity
- Research Continuity Supplements
- Notices of Special Interest (NOSI)

How to Find: Navigate to NIH's Funding page and enter "admin supp" in the first search bar, or find a list of active opportunities and notices here.

How to Submit: All administrative supplement requests must be submitted electronically through

Grants.gov. For additional steps and requirements on submitting requests for supplements, visit the NIH Grants & Funding page.

Adapted from the May 2024 edition of the Research Development & Grantwriting Newsletter.