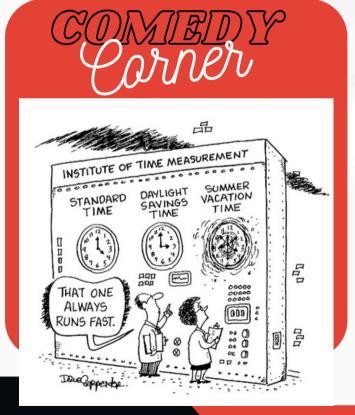
BCOSM MONTHLY ANNOUCEMENTS NEWSLETTER





This monthly newsletter is a great resource for all BCoSM students to stay up to date on current Internships, Research Opportunities, Summer Programs, and so much more!



Internships

An internship provides you with experience related to your major. It is an opportunity to learn how to synthesize theory into practice.

Research Opportunities

Conduct research as individual as your interests. We have many outstanding researchers that are available to mentor students through their endeavors.

Summer Programs

There are many benefits to summer programs. You can explore your passions, keep your skills sharp, and access research opportunities to name a few.

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Vehicle Technologies Office

APPLY NOW!



BENEFITS

- COMPETITIVE STIPEND
- RELOCATION REIMBURSEMENT UP TO \$5.000
- · \$10,000 TRAVEL/RESEARCH **MATERIALS ALLOWANCE**
- HEALTH INSURANCE
- **FEDERAL HOLIDAYS OBSERVED**



What You Will Do

Under the guidance of a mentor...

INNOVATE

Collaborate with DOE employees and National Laboratory experts to reduce the carbon footprint of the 3 trillion vehicle miles traveled each day! Collect data and analyze the latest technology in modern applications of electrification.

ENGAGE

Engage in research efforts supporting increased electric vehicle charging and electrification with broader initiatives such as increased generation from renewables and grid modernization. Write and publish technical reports documenting the data, analysis, and resulting insights of work/projects performed.

EXPERIENCE

Organize workshops and conferences with key stakeholders and federal staff to augment R&D portfolio and suggest new initiatives to further transportation electrification and vehicle-grid integration.



DOE-RPP@orise.orau.gov







RESEARCH



Industrial Efficiency and Decarbonization Office Fellow

Office of ENERGY EFFICIENCY & RENEWABLE ENERGY

OUR MISSION

IEDO is critical to putting the Nation on a pathway to achieve net-zero carbon emissions by 2050 and necessary for a national program of research and workforce development to drive energy, materials/production efficiency, and decarbonization across the industrial sector.





Benefits

- · Competitive Stipend
- Relocation reimbursement up to \$5,000
- \$10,000 Travel/Research Materials Allowance
- Health Insurance
- Federal holidays observed





Drive Innovation in U.S. manufacturing and clean energy



Collaborate with National Lab experts and federal employees



New materials, waste reduction, and recycling technologies







Electric Vehicles Charging Fellow

Apply Today! https://www.zintellect.com/Opportunity/Details/DOE-EERE-STP-JOET-2022

The Electric Vehicles Charging Fellow opportunity with the Joint Office of Energy and Transportation is now accepting applications.

What will I be doing?

You will be provided with the opportunity to participate in JOET projects and be mentored by experienced JOET staff. JOET also supports fellows in pursuing further professional development opportunities, such as trainings, workshops, and conferences. Interacting closely with their JOET mentor(s), the fellows will learn how to:

- Review, manage, and make recommendations on the EV charging proposals for the National Electric
- Vehicle Infrastructure Formula and Grant Programs as executed by the Federal Highway
- · Administration.
- Build relationships to engage programs and public-private partnerships to increase the speed of
- transitioning to EVs and deploying the supporting infrastructure.
- Engage in critical aspects of the Joint Office of Energy and Transportation's mission.
- Conduct technical reviews of projects funded by the Joint Office.
- Draft key documents summarizing program strategy and accomplishments, technoeconomic analysis
- to inform the Joint Office activities.
- Collaborate and direct the modeling and analysis of vehicle charging infrastructure and electric grid
- integration.
- Organize meetings, workshops, and conferences to solicit feedback from expert stakeholders on the
- Joint Office activities
- Engage on the development and implementation of standards and requirements for EV charging to
- ensure a high-quality driver experience.
- Collaborate with DOE, DOT and other agencies on EV charging plans, transit and school bus
- electrification, research, and reports.
- Review and analyze project progress and other technical reports.
- Engage with DOE to communicate with researchers to address questions and issues that arise.
- Collaborate on the scoping of key demonstration and proof of concept projects that will enable and
- accelerate the Joint Office vision.

Why should I apply?

You will become part of a group of highly-trained scientists and engineers with the education, background, and experience to be part of the workforce that supports the DOE's mission in the future. You will enhance your education and training in electric vehicle and energy policy, increase your marketability in these disciplines, collaborate with top scientists and engineers, and gain insight into career opportunities through your experiences and under the leadership of your mentor. Where will I be located? Washington, D.C.

The details:

You will receive a competitive stipend, an allowance to offset the costs of health insurance, research travel and materials up to \$10,000, and relocation expenses reimbursement up to \$5,000.

You must be a U.S. Citizen or Lawful Permanent Resident and completed or be in the process of completing a bachelor's, master's, or doctoral degree.

Program Website: https://www.energy.gov/eere/education/energy-efficiency-and-renewable-energyscience-technology-and-policy-program

Questions? Email DOE-RPP@orise.orau.gov. Please list the reference code [DOE-EERE-STP-JOET-2022] for this opportunity in the subject line of your email.

NCAVC SUPPORT

The National Center for the Analysis of Violent Crime (NCAVC) accomplishes its mission through the support in expertise of the five BAUs:











BAU-1: Counterterrorism & Threat Assessment

Provide behaviorally-based investigative and operational support to complex and time-sensitive crimes and other matters of significance involving acts or threats of violence.

BAU-2: Cyber Crimes & Counterintelligence

Provide critical operational support to complex cyber and counterintelligence investigations.

BAU-3: Crimes Against Children

Provide behaviorally-based investigative and operational support to complex and time-sensitive crimes and other matters of significance involving crimes perpetrated against child victims.

BAU-4: Crimes Against Adults & Violent Criminal Apprehension Program (ViCAP)

Provide behaviorally-based investigative and operational support to complex and time-sensitive crimes and other matters of significance involving crimes perpetrated against adult victims.

BAU-5: Research & Program Management

Provide support to BAU Coordinators in FBI field offices and personnel in the four operational units, working closely with each BAU to set strategy for NCAVC to ensure that it remains on the cutting edge of behaviorally-based investigations and analysis.





NATURE OF APPOINTMENT

The participant will not enter into an employee/ employer relationship with Oak Ridge Institute for Science and Education (ORISE), Oak Ridge Associated Universities (ORAU), Department of Engergy (DOE), Federal Bureau of Investigation (FBI), Critical Incident Response Group (CIRG), or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE letter of appointment and Terms of Appointment.

WHERE WILL I BE LOCATED?

The CIRG ORISE research fellowship is located near Quantico, Virginia.

FBI EMPLOYMENT REQUIREMENTS

Applicants must meet all FBI Employment Requirements, pass an FBI Background Investigation, and receive a Secret Security Clearance. There are specific elements that will automatically disqualify job candidates for employment with the FBI. For detailed Employment Eligibility and Employment Disqualifiers visit: www.fbijobs.gov/eligibility

How to Apply

The research fellowship is an FBI-sponsored education program in partnership with the Oak Ridge Associated Univsersities (ORAU) and is administered by the Oak Ridge Institute of Science and Education (ORISE). Qualified applicants must apply directly to ORISE. The final selection is made by FBI CIRG.



Or visit: www.zintellect.com/Opportunity/Details/FBI-CIRG-2024

Further questions? Please contact: FBIrpp@orau.org U.S. Department of Justice Federal Bureau of Investigation





ORISE

FOR SCIENCE AND EDUCATION

RESEARCH

Participation Program

Behavioral Analysis Unit-5 Critical Incident Response Group Federal Bureau of Investigation



Cardiovascular Disease Research Workshop

May 22, 2024 9:00AM-2:00PM

Did you know that in 2020 there were 8,621 deaths due to heart disease in Arkansas? Arkansas was the 4th among all states for highest heart disease mortality. Are you curious to know what training is needed for a career in cardiovascular disease research? If so, we invite you to participate in a one-day workshop hosted by the IDeA Network of Biomedical Research Excellence (INBRE) at the University of Arkansas for Medical Sciences (UAMS).



Audience: Undergraduate students

state college/university

The workshop is limited to 30 student participants. The event will take place at the Active Learning Center on the UAMS campus.

attending College/University in Arkansas and Arkansas residents attending an out of

Register Here

The workshop will help students understand the role of research in contributing to the development of evidence based methods for prevention and treatment of cardiovascular disease.

- Physicians will describe selected disease cases and outcomes
- Scientific teams will provide a sampling of different aspects of cardiovascular disease research
- Expert panel discussion on new strategies for preventing and treating cardiovascular disease in the future.







Student Research Scholarship

Submission Deadline: August 30, 2024

2024 Student Scholarship Application Form https://ofwim.org/Legacy-Awards

The OFWIM Student Scholarship recognizes academic and professional excellence among students enrolled full-time in fisheries and wildlife-related curricula at an accredited college or university, with research or studies emphasizing wildlife information management and/or geographic information systems (GIS). The scholarship award supports student attendance at the OFWIM meeting, at which they present their research.

UNIVERSITY OF ALABAMA AT BIRMINGHAM



ACCEPTING APPLICATIONS

"Forensic Science is a rewarding career where the love of Science can be applied to the good of society, public health, and public safety." (AAFS)

MASTER OF SCIENCE IN FORENSIC SCIENCE



Girls in Science & Engineering Day

Find more information at www.uab.edu/forensicscience
Apply at https://cloud.reach.uab.edu/graduate-application

- ⇒ The UAB MSFS is one of the oldest forensic science programs in the country and has been accredited since 2009.
- ⇒ Coursework includes Forensic Chemistry, Toxicology, DNA, and Criminalistics.
- ⇒ Student research projects have included extracted DNA from blood in soil, determining firing distance, analyzed date rape drugs in beverages, and identified individuals by analyzing the human biome.
- ⇒ Internships are available (after your research is completed) at the Alabama Department of Forensic Sciences and the Jefferson County Medical Examiner's Office.





Forensic Science faculty in a mock crime scene and the lab.



AL Assoc. of Forensic Science conference at Gulf Shores

Calling Chemistry and Biology majors to apply for the Master of Science in Forensic Science (MSFS) at UAB.

Contact Dr. Elizabeth Gardner
Email: eagard@uab.edu
www.uab.edu/forensicscience



BUDGET, POLICY, AND PROJECT RESEARCH FELLOW

BUILDING TECHNOLOGIES OFFICE





ENGAGE IN IMPLEMENTATION OF ENERGY POLICY BY APPLYING EXPERTISE TO THE DEVELOPMENT OF SOLUTIONS



PARTICIPATE IN REVIEW AND ANALYSIS OF LEGISLATION, INCLUDING APPROPRIATION LANGUAGE AND DEVELOP MODELS, ANALYSES AND REPORTS USING ACQUIRED DATA



COLLABORATE ON PREPARATION OF DETAILED ANNUAL OPERATING PLAN (AOP) FOR BTO'S ACTIVITIES AT DOE NATIONAL LABS AND WITH CONTRACTORS





BENEFITS:

- Competitive Stipend
- Relocation up to \$5,000
- \$10,000 Travel/Research Allowance
- Health Insurance
- Federal Holidays Observed
- Hybrid Participation
 Schedule

APPLY TODAY!





CLEAN ENERGY EDUCATION & EMPOWERMENT INITIATIVE

Location



Washington, DC







INNOVATE

Develop professionally while participating in policy-related projects at DOE.



ENGAGE

Further C3E efforts to close the gender gap and increase participation, leadership, and success of women in clean energy.



COLLABORATE

Forge new clean energy partnerships, encourage multi-agency collaboration, and engage with top scientists, increasing your marketability in these disciplines.

Apply Now

https://www.zintellect.com/ Opportunity/Details/DOE-EERE-STP-OBI-2024-2200



Eligibility

- US Citizen or Lawful Permanent Resident
- Completion of a Bachelor's, Masters, or Doctoral degree in eligible discipline

Benefits

- Competitive stipend
- Relocation up to \$5,000
- \$10,000 travel/research allowance
- Health insurance
- Federal holidays observed
- Hybrid participation schedule

Contact

Email: <u>DOE-RPP@orise.orau.gov</u>



College of Education and Health Professions

Department of Health, Human Performance and Recreation
HPER Building • 1 University of Arkansas • Fayetteville, AR 72701 • 479-575-2857 • Fax: 479-575-5778

The Energy Availability and Muscle Metabolism (EAM²) laboratory, led by Dr. Megan Rosa-Caldwell, is recruiting Ph.D. students to start in Fall 2024, Spring 2025 or Fall 2025. The EAM² lab seeks to understand physiological and biological alterations during severe energy restriction, such as during anorexia nervosa and how these changes influence short-term and long-term health. The laboratory is housed within the <u>University of Arkansas Exercise Science Research Center</u> within the <u>Department of Human Health, Performance and Recreation (HHPR).</u> Dr. Rosa-Caldwell also has a dual appointment within the <u>Cell and Molecular Biology program</u> where students can also apply.

Students will be mentored by Dr. Rosa-Caldwell and have opportunities to collaborate with leading experts in the field of muscle biology within the department and across the university. Graduate assistantships through the department are available as well as additional fellowships to augment student stipends. For more information please see here.

Founded in 1871, the University of Arkansas is a land grant institution, classified by the Carnegie Foundation among the nation's top 2 percent of universities with the highest level of research activity. The University of Arkansas works to advance Arkansas and build a better world through education, research, and outreach by providing transformational opportunities and skills, promoting an inclusive and diverse culture and climate, and nurturing creativity, discovery and the spread of new ideas and innovations.

The University of Arkansas campus is located in Fayetteville, Arkansas a welcoming community ranked as one of the best places to live in the U.S. The growing region surrounding Fayetteville is home to numerous Fortune 500 companies and one of the nation's strongest economies. Northwest Arkansas is also quickly gaining a national reputation for its focus on the arts and overall quality of life.

Interested applicants can send their CV and a short (1 paragraph- 1 page) statement of their research interests to mrosa@uark.edu with the subject line "Graduate Student Application."

Please email mrosa@uark.edu with any questions.





Office of ENERGY EFFICIENCY

Industrial Decarbonization **Fellowship**

OUR MISSION

IEDO is critical to putting the Nation on a pathway to achieve net-zero carbon emissions by 2050 and necessary for a national program of research and workforce development to drive energy, materials/production efficiency, and decarbonization across the industrial sector.





DEADLINE: JULY 15

Benefits

- Competitive Stipend
- Relocation reimbursement up to \$5,000
- \$10,000 travel/research materials allowance
- Health insurance
- Federal holidays observed
- Hybrid schedule



WASHINGTON.



Drive Innovation in U.S. manufacturing and clean energy



Collaborate with National Lab experts and Federal employees



New materials, waste reduction, and recycling technologies







Multilateral Climate and Clean Energy Engagement

What Would I be Doing?

The U.S. Department of Energy's (DOE) Office of International Affairs (IA), Office of Multilateral Climate and Clean Energy Engagement seeks motivated candidates to take on today's pressing climate challenges through a fellowship with DOE-STP.

This fellowship will support the approximately 18 International clean energy initiatives and campaigns in which the United States participates within the Clean Energy Ministerial (CEM), a multilateral organization with 29 member countries working to rapidly increase the deployment of clean energy technologies. These initiatives and campaigns cover technology areas such as hydrogen, biofuels, and civil nuclear; global deployment issues such as solar and battery supply chains; and crosscutting just transition and gender equity issues. As an ORISE participant, you will gain insight into the federal government's role within international forums such as the CEM as well as coordination of work within and between federal government agencies and DOE's system of national laboratories.

Applicant Eligibility

To be eligible applicants must:

- Be a U.S. citizen
- Be 18 Years of age
- Have earned at least their Bachelor's degree, with a preference for a Master's or a Doctoral Degree. If currently pursuing your degree, all degree requirements must be completed by July 31, 2024.

Participant Benefits

Participants will recieve a stipend, to be determined by IA. They may also receive:

- Health Insurance Stipend Supplement
- Travel/Training Allowance

Location



Apply Now!



Application Deadline May 17, 2024 @ 11:59 PM Eastern Time









DATA, POLICY, AND PROJECT RESEARCH FELLOW

BUILDING TECHNOLOGIES OFFICE





BENEFITS:

- Competitive Stipend
- Relocation up to \$5,000
- \$10,000 Travel/Research Allowance
- Health Insurance
- Federal Holidays Observed
- Hybrid Schedule Options



ENGAGE IN IMPLEMENTATION OF ENERGY POLICY BY APPLYING EXPERTISE TO THE DEVELOPMENT OF SOLUTIONS



RESEARCH AND IDENTIFY PROBLEM AREAS; CONDUCT RESEARCH TO DETERMINE THE BEST COURSE OF ACTION TO CORRECT THE DATA



IN COLLABORATION WITH BTO TEAMS, DEVELOP AND MAINTAIN DATABASES AND DATA SYSTEMS NECESSARY FOR PROJECTS AND DEPARTMENT FUNCTIONS



APPLY TODAY!



OTHER OPPORTUNITIES





MAY 13-16, 2024



UNIVERSITY OF CENTRAL ARKANSAS



- An immersive training program in which you'll learn about healthcare innovation, how to identify potential problems, talk to key stakeholders and customers to gather information, and develop solutions.
- The Healthcare Innovation Sprint is all-expenses-paid for accepted students.
- Eligible students must be a junior, senior, or in a post-graduate program from an Arkansas college or university.
- Visit arconductor.org/sprint for more information.









OTHER OPPORTUNITIES

MINORITY EDUCATIONAL INSTITUTION STUDENT PARTNERSHIP PROGRAM





Network



Experience ()



BENEFITS

- Weekly Stipend
- Housing Allowance
- Relocation Allowance
- Free trip to Washington, D.C. for orientation

ELIGIBILITY

- US Citizen
- Currently enrolled or recently graduated (SP22 or later) from an eligible Minority Serving Institution
- Minimum 3.0 GPA





ATTEND OUR WORKSHOPS



ALL MAJORS WELCOME!

APPLY NOW!



CONTACT US

Want to see your post in the next newsletter?

Please contact Kelly Sabin with questions or suggestions:

ksabin@astate.edu

College of Sciences and Mathematics P.O. Box 1030

State University, AR 72467

Phone: (870) 972-4814





