

February 9, 2024

COSM MONTHLY ANNOUNCEMENTS NEWSLETTER



CoSM Ambassadors working at Pack Preview!

COMEDY Corner

WHAT DO YOU CALL AN
ACID WITH AN ATTITUDE?

gimme ur lunch



A-mean-oh acid.

Submit your Math & Science jokes/memes to be possibly featured in the next issue to ksabin@astate.edu

This monthly newsletter is a great resource for all CoSM 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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HIGHLIGHTED POST



**COSM AMBASSADOR
APPLICATIONS OPEN**

The SMART Center is
accepting applications
through March 15, 2024

Scan the QR Code above to apply!

For more information, please contact
Porsha McGregor at pneal@astate.edu

INTERNSHIPS



**12-WEEK PAID
SUMMER INTERSHIP**



NETWORK

Engage with federal employees, National Lab Scientists, and other interns.



LEARN

Acquire new and applicable skills to support your education and future career path.



EXPERIENCE

Whether virtual or hybrid, be fully immersed in the federal sector and gain hands-on experience.



**MEISPP@ORISE.
ORAU.GOV**

**ALL MAJORS
ELIGIBLE**

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

**APPLY
TODAY!**

Deadline:
February 15,
2024



**WANT TO
LEARN MORE?
ATTEND OUR
WEBINARS!**



U.S. DEPARTMENT OF
ENERGY



**VARIOUS
LOCATIONS:
REMOTE OR
HYBRID**

February 9, 2024

INTERNSHIPS

Dr. Anahita Izadyar is looking to hire two undergraduate students for a summer internship, offering a compensation of \$13 per hour.

The focus of their work will be on the fabrication of medical sensors designed to detect antidepressant drugs such as Prozac. Additionally, we are actively engaged in developing disposable sensors for the early diagnosis of Alzheimer's.

If you or any one you may know of are interested and qualified candidates, please contact Dr. Izadyar at aizadyar@astate.edu

RESEARCH OPPORTUNITIES



U.S. DEPARTMENT OF
ENERGY

ELECTRIFICATION TECHNOLOGY DEVELOPMENT FELLOW

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

OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION

RESEARCH OPPORTUNITIES

U.S. DEPARTMENT OF **ENERGY** | Office of ENERGY EFFICIENCY & RENEWABLE ENERGY

Industrial Efficiency and Decarbonization Office Fellow

APPLY TODAY!



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



DOE HEADQUARTERS WASHINGTON, D.C.



Drive Innovation in U.S. manufacturing and clean energy



Collaborate with National Lab experts and federal employees



New materials, waste reduction, and recycling technologies

 DOE-RPP@ORISE.ORAU.GOV

 OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION

RESEARCH OPPORTUNITIES

Advanced Materials and Manufacturing Technologies Office U.S. Department of Energy

EE RE

Location



Washington, DC
DOE Headquarters

Benefits

Fellows will be eligible for:

- Stipend
- Health Insurance
- Relocation Reimbursement up to \$5,000
- \$10,000 Travel and Research Materials Allowance
- Federal Holidays Observed

What Will You Do?

Under the guidance of a mentor...

Energy Policy and Analysis:



Provide input for analysis on industrial decarbonization, circular economy, and workforce development and assess the potential for next generation materials and processes

Innovation



Evaluate approaches to achieve practical minimum energy requirements and minimum lifecycle energy to manufacture and deploy next generation technologies and identify new materials efficiency, waste reduction and recycling technologies

Communication:



Engage with DOE staff and National Laboratory experts to prepare and present written and oral briefings and reports to senior program staff, DOE leadership, external partners and industry stakeholders.



 DOE-RPP@orise.orau.gov
 <https://www.zintellect.com/Opportunity/Details/DOE-EERE-STP-AMMTO-2023-1000>



February 9, 2024

RESEARCH OPPORTUNITIES

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.

February 9, 2024

RESEARCH OPPORTUNITIES

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES SCHOLARS CONNECT PROGRAM 2024



The National Institutes of Health (NIH), National Institute of Environmental Health Sciences (NIEHS) office is seeking undergraduate students to participate in the NIEHS Scholars Connect Program (NSCP). The program is designed to provide environmental health sciences research training for science, technology, engineering, and mathematics (STEM)-focused undergraduate students.

Benefits:

Competitive monthly stipend determined by academic level.

OUR LOCATION



Research Triangle Park, NC.
Must live within 50 miles to participate



Program Dates:

June 2024 - April 2025



Apply Here!

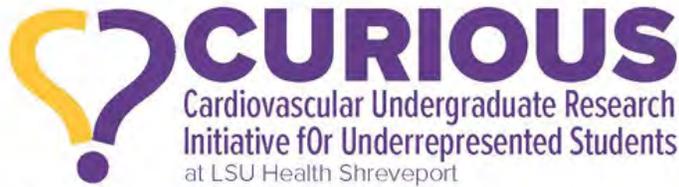
Application Deadline:
February 16, 2024



Email: nihiprograms@ornl.gov

<https://www.zintellect.com/Opportunity/Details/NIH-NIEHS-SCP-2024>

RESEARCH OPPORTUNITIES



Are you a science major who's interested in a research career related to cardiovascular diseases?

- Learn cutting edge techniques
- Use state-of-the-art equipment
- Enhance your career development
- Attend/present at a national conference

Apply for LSU Health Shreveport's NIH CURIOUS summer program!



LSU Health Shreveport
CENTER FOR CARDIOVASCULAR DISEASES AND SCIENCES

The Cardiovascular Undergraduate Research Initiative for Underrepresented Students is supported by the National Institute of General Medical Sciences of the National Institutes of Health under Award Number R25HL 147665.

LSU HEALTH SHREVEPORT EIGHT-WEEK NIH-FUNDED RESEARCH PROGRAM AND CAREER DEVELOPMENT

INCLUDES HOUSING AND \$3,800 STIPEND

2024 SUMMER PROGRAM DATES

June 10-August 2, 2024

APPLICATION DEADLINE
February 12, 2024

APPLICATIONS OPEN FALL 2023



www.lsuhs.edu/curious

Eligibility: The CURIOUS program is for highly motivated undergraduate students currently enrolled at an accredited undergraduate university, studying science. They must be from one of the following underrepresented groups:

- Racial and ethnic minorities
- Disadvantaged (financial or education)
- With disabilities



LSU HEALTH SHREVEPORT

1501 Kings Hwy, Shreveport, LA 71103

CURIOUS Program Director

Karen Stokes, PhD

318-675-8420 | karen.stokes@lsuhs.edu

February 9, 2024

RESEARCH OPPORTUNITIES



The University of Mississippi seeks participants for the Ole Miss

Summer Research Experience for Undergraduates (REU) Program in Chemistry

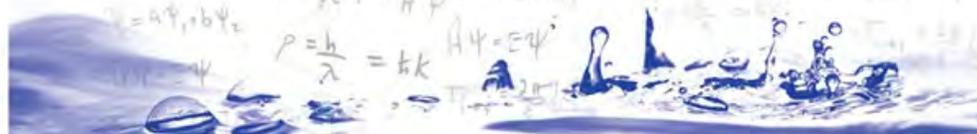
The National Science Foundation will fund ten (10) undergraduate students who have completed at least their freshman year in college but have not yet graduated.

Student participants will receive a \$6,000 stipend, housing and meal plan for 10 weeks, as well as travel assistance.

REU researchers will gain hands-on experience in a collaborative atmosphere with a broad range of topics such as laser-based molecular spectroscopy, molecular modeling, computational quantum chemistry as well as the synthesis and characterization of new nanomaterials.

Project Descriptions and Online Application can be found at
<http://reu.chem.olemiss.edu>

For more information, contact Prof. Nathan I. Hammer, Program Director
181 Coulter Hall, University of Mississippi, University, MS 38677
662-915-3989 • nhammer@olemiss.edu



February 9, 2024

RESEARCH OPPORTUNITIES

Ole Miss.

Nanoengineering

RESEARCH EXPERIENCES FOR UNDERGRADUATES



Come perform cutting-edge research in nanobiotechnology, sustainable nanoengineering or computational nanoengineering

What's included

- 10-week summer program at the University of Mississippi
- Undertake research and attend specialist seminars
- Enrich your knowledge of nanoengineering
- Present your findings to peers and academic community
- Gain skills for graduate school
- Mentor middle and high school students in STEM
- Experience historic Oxford, MS
- **You'll get a \$6,000 stipend, on-campus housing, and allowances for food and travel**

To apply, send us:

- Your resume or CV
- A copy of your transcript (official or unofficial)
- A statement of research motivation
- Two letters of recommendation

Summer 2024 REU application period opens in November 2023 and closes on March 4, 2024.

Apply at nanoreu.olemiss.edu

This program is funded by the National Science Foundation (EEC, EPSCoR: 2148764)

nanoreu.olemiss.edu

February 9, 2024

RESEARCH OPPORTUNITIES

Let's Celebrate Research Together!

Join us at Create@State **April 17-18, 2024**

**COLLABORATE
INNOVATE
CELEBRATE**

*Lead a themed session
Table in the lounge
Sponsor an event or mixer
Encourage students to present
Attend and Encourage Attendance!*

Student presentation abstract portal open **NOW** on InfoReady

CREATE @ **STATE**

A Symposium of Research, Scholarship & Creativity

Contact Kari Harris
kharris@astate.edu



Scan QR code to find out more!

February 9, 2024

RESEARCH OPPORTUNITIES

SURFING ARKANSAS

THE SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP (SURF) PROGRAM

Participate in an engaging research environment at UAMS with opportunities in a wide range of biomedical science fields.

Research areas:

- Drug bioactivation and detoxification
- Molecular Biology
- Cancer Biology
- RNA viral replication
- Microbiology & vector-borne disease
- Systems Biology & Bioinformatics
- Nutrition and gene expression
- Anti-tumor agents
- Genomic instability of lymphoma
- DNA methylation & epigenetics
- Modeling metabolic pathways

Program Duration:
10 weeks
May 20 – July 26, 2024
Stipend: \$5,000
Free Personalized lab
coat!

Application Deadline: March 1

Submit the following:

1. Completed application form
2. Official copy of undergraduate transcript
3. Two recommendation letters from faculty

Email to: BCMB.undergrad@uams.edu

Please visit:

<https://medicine.uams.edu/biochemistry/undergraduate/surf/>
for more information about the program, application process, and
download the form.

RESEARCH OPPORTUNITIES



*Kansas State Department of Entomology
Master's Research Assistantship Available*



The Kansas State University Department of Entomology and the USDA – Agricultural Research Service in Manhattan, Kansas is seeking a graduate research assistant to work on a multi-state, multi-institutional research project focusing on improving the efficacy of methyl bromide alternatives in shipping containers. This is a unique opportunity to work with a diverse cohort of faculty and researchers at the state and federal level and across a broad range of disciplines.

The aim of the research project is to improve IPM tools and tactics to reduce infestations in shipping containers destined for national and international locations. The student will work with entomologists and agricultural engineers to 1) evaluate the efficacy of fumigations and penetration characteristics of the fumigant, 2) efficacy of contact insecticides across multiple surfaces and temperatures, and 3) efficacy of insecticide incorporated packaging on preventing infestation and population dynamics during storage. Students will have the opportunity to engage with stakeholders, participate in academic and industry meetings, and conduct field work.

Required skills and qualifications:

- Applicants must have earned an undergraduate degree in entomology, agricultural engineering, biology, grain science, agricultural, or a related discipline from an accredited university.
- Individuals must show initiative, motivation, and work within a group
- Applicants should have good verbal and written communication skills
- Strong interests include: insect pest management, insect toxicology, insect physiology, grain science, and agricultural engineering.
- Research will be completed in a USDA/Federal Facility and at Kansas State University and applicants must successfully complete additional background screening and meet requirements for working in federal facilities

Preferred skills and qualifications

- Experience with Microsoft Office Suite
- Experience conducting research (designing experiments, collecting and analyzing data, statistical analysis, and scientific writing)
- Experience conducting independent research
- Candidates who have already completed or will complete B.S. degree by spring 2024 are encouraged to apply. Applications are due prior to April 30, 2024, for the admission into the KSU Graduate School in summer or fall 2024.

Please send a letter of interest describing your qualifications, research background, resume/CV, TOFEL scores for international applicants, and the contact information for three letters of reference. Stipend, tuition assistance, and benefits will be provided. Applications can be submitted to Dr. Kun Yan Zhu (kzhu@ksu.edu) or Dr. Deanna Scheff (deanna.scheff@usda.gov).

You can find more information about the Department of Entomology at <https://entomology.k-state.edu/>.

RESEARCH OPPORTUNITIES

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.



Anytime. Anywhere.

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 Energy (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 Universities (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

OAK RIDGE INSTITUTE
FOR SCIENCE AND EDUCATION

RESEARCH PARTICIPATION PROGRAM

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

GRADUATE OPPORTUNITIES

Strategic Analysis Fellow: Integrated Strategies Office

U.S. Department of Energy

**EE
RE**

Location



Washington, D.C.
DOE Headquarters

What Will You Do?

Under the guidance of a mentor...

Energy Policy and Analysis:



New clean energy analysis activities, projects, and initiatives across the buildings, industry, transportation, and power sectors.

Innovation



Help develop, scope, and engage in analysis projects with leading experts across EERE and the National Laboratories on clean energy challenges, opportunities, and impacts (e.g., assessing and improving circularity across the clean energy system).

Research:



Engage in scoping and coordinating National Laboratory studies on the impacts of potential national and state policy and regulatory changes on the energy sector; advancing and institutionalizing cross-cutting priorities.

Benefits

Fellows will be eligible for:

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



DOE-RPP@orise.orau.gov



<https://www.zintellect.com/Opportunity/Details/DOE-EERE-STP-IS-2023-2002>



February 9, 2024

GRADUATE OPPORTUNITIES

DOE Science, Technology and Policy Opportunity – Battery Materials and Manufacturing Supply Chain Fellow-Apply Today!

The Office of Manufacturing and Energy Supply Chains (MESC) seeks two (2) talented and committed individuals, one focused on upstream battery technologies and the other on midstream/downstream technologies. The selected fellows will learn and engage in the following:

- Engage with private-sector companies, other Federal agencies, researchers, non-governmental organizations, and key stakeholders to collect, analyze, respond to, and share data about energy supply chains to inform future decision-making and investment.
- Participate and collaborate with the Federal Consortium for Advanced Batteries (FCAB), Li-Bridge (a public-private alliance), community stakeholders, and federal staff to better understand how DOE can further improve US infrastructure to support battery manufacturing deployment and build a consolidated and robust supply chain strategy across the battery ecosystem.
- Consolidate knowledge and complete reporting for active technology deployment and commercialization applications/projects pertaining to either:
 - Battery critical minerals, materials, and key components; or,
 - Battery manufacturing, processing, and recycling
- Write and publish technical reports documenting the data, analysis, and resulting insights of projects performed.
- Research requirements, perform analysis, and interpret technical reports and papers related to one or more of the following battery topics in the context of prominent U.S. industrial sectors (e.g. transportation, grid storage, consumer electronic, etc.):
 - Supply chains, critical materials processing, manufacturing production, and recycling
- Collect and analyze the latest science and engineering technological advances in state-of-the-art applications pertaining to electrification. Consolidate knowledge and complete reporting for active battery deployment projects in one or more of the following topics:
 - Materials technologies such as direct lithium extraction, battery cathode precursor processes, and battery salt purification, among others.
 - Manufacturing processes and techniques such as cell assembly, cathode/separator/silicon-based anode production, electrolyte solvent fabrication, and mixing, among others.
 - End-of-life technologies to recover and separate critical materials from black mass such as pyrometallurgy, hydrometallurgy, or other recycling processes.
- Collaborate with National Laboratory and headquarters contractors, DOE technical project officers, project principal investigators, and government and industry representatives.
- Collaborate and link supply chain efforts related to establishing battery materials separation and processing, manufacturing, and/or recycling.
- Participate with other members of the MESC office in the development of related documentation, presentation, and reporting for assigned activities.

Participant Benefits: MESC will provide a supplemental stipend to offset the costs of health insurance. Participants are eligible to purchase health insurance plans offered through ORISE. Participants may receive an allowance for education and/or scientific activities up to \$10,000 as approved by MESC. Participants may be eligible to receive a relocation supplement up to \$5,000.

Stipends will be based on appointment level and commensurate with qualifications:

- Post-Masters: \$68,217-\$90,000/year
- Post Doctoral: \$82,992-\$129,996/year

Apply Today! Your paragraph text

The details: You must be a U.S. Citizen with a Master's, or Doctoral Degree earned within the last 60 month(s).

Program Website: <https://www.energy.gov/mesc/office-manufacturing-and-energy-supply-chains>

Questions? Email DOE-RPP@orise.orau.gov. Please list the reference code [DOE-STP-MESC-2023] for this opportunity in the subject line of your email.

February 9, 2024

GRADUATE OPPORTUNITIES

HYDROGEN SHOT FELLOW



U.S. DEPARTMENT OF ENERGY



FELLOWS WILL ENGAGE IN ONE OF THE FOLLOWING FOCUS AREAS:



Hydrogen Production Program



Hydrogen Infrastructure Program



Fuel Cell Technologies Program



Systems Development and Integration Program



Systems Analysis Program

Benefits:

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

APPLY TODAY!



TO BE ELIGIBLE:

US Citizen or LPR

Pursuing or Have Completed

Bachelor's, Master's, or Doctoral Degree



OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION
Shaping the Future of Science



Washington, D.C., or Golden, CO

DOE-RPP@orise.orau.gov

GRADUATE OPPORTUNITIES

2024

SOLAR ENERGY TECHNOLOGY OFFICE (SETO) FELLOW

EERE Science, Technology, and Policy



OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION
Shaping the Future of Science

U.S. DEPARTMENT OF ENERGY

Energy Efficiency & Renewable Energy



Stakeholder Engagement

Engage with DOE and National Lab staff to build and maintain relationships with strategic partners working on emerging technology for building systems integration and energy efficiency programs.

Technical Expertise

Engage with DOE staff to provide feedback and recommendations on strategic progress or course correction for a variety of technical projects relating commercial and private energy efficiency products/technologies, and solutions.



Creative Vision

Engage in strategic planning for technology research and development, reviewing, recommending, and implementing projects that advance the SETO mission, resulting in measurable, and trackable alternative energy developments.

Benefits:

- Competitive stipend
- Health Insurance
- Relocation up to \$5,000
- \$10,000 Travel and Research Allowance
- Federal Holidays Observed

To be eligible for this program, applicants must:

- Be a U.S. Citizen or Lawful Permanent Resident
- Be at least 18 years of age
- Be pursuing, or have completed the requirements for, a Bachelor's, Master's, or Doctoral Degree



Application Deadline:
January 15, 2023 11:59PM EST



<https://www.zintellect.com/Opportunity/Details/DOE-EERE-STP-SETO-2023-2101>



DOE-RPP@orise.orau.gov

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GRADUATE OPPORTUNITIES



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
ENERGY EFFICIENCY AND
RENEWABLE ENERGY

SCIENCE, TECHNOLOGY, AND POLICY FELLOW



Engage and network with federal employees, contractors, National Lab experts, and ORISE Fellows



Contribute to the implementation of energy policies by applying scientific and technical expertise



Continue your education and involvement in areas that support the clean energy mission

BENEFITS

- Competitive Stipend
- Relocation up to \$5,000
- \$10,000 Travel/Research Materials Allowance
- Health Insurance
- Federal Holidays Observed
- Hybrid/Remote Participation Available in Some Offices



Washington, D.C., or
Golden, CO

Questions? Email us at DOE-RPP@orise.orau.gov

APPLY
HERE
➤➤➤



OAK RIDGE INSTITUTE
FOR SCIENCE AND EDUCATION
Shaping the Future of Science

February 9, 2024

GRADUATE OPPORTUNITIES



SCHOLARSHIP AVAILABLE

DR. PAUL T. AND ALMA A. STROUD SCHOLARSHIP

For a graduating senior at Arkansas State University who will attend and has been accepted to a medical school in the United States.

Arkansas Community Foundation helps families, companies and individuals set up scholarship funds to benefit Arkansas students seeking higher education.

Visit our website www.arcf.org/apply/scholarships/ for more information.

Visit www.arcf.org/apply/scholarships/

APPLICATION DEADLINE IS APRIL 1

Apply online starting February 1

Applications close April 1

Contact your school counselor or email
Jane Jones with questions regarding your application:
jjones@arcf.org

ARKANSAS
community foundation 

GRADUATE OPPORTUNITIES

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

GRADUATE OPPORTUNITIES



U.S. Department of Energy
OFFICE OF INTERNATIONAL AFFAIRS
FELLOW

ABOUT THIS OPPORTUNITY

As the Department's lead on international energy issues, the Office of International Affairs is responsible for:

- directing diplomatic outreach,
- leading multilateral energy negotiations—including in ministerial-level energy tracks in the G7, G20, APEC where the Secretary of Energy represents the U.S.—and
- developing energy policies to advance the administration's global climate, economic, and security goals through cooperative platforms like the International Energy Agency, the Clean Energy Ministerial, and Mission Innovation.

Fellows will be able to utilize their experience, knowledge, and education to contribute to the Office of International Affairs' (IA) implementation of energy and climate-focused technology, policy, and regulatory engagement with major emerging economies all over the world, in collaboration with the Department of Energy (DOE), our National Labs, the State Department, and other government agencies.

APPLY NOW



Application Deadline
February 14, 2024
11:59PM Eastern Time Zone



PARTICIPANT BENEFITS

Participants will receive a stipend to be based on academic standing, discipline, experience, and research facility location. Participants may also receive:

- Travel/Training Allowance
- Health Insurance Supplement



February 9, 2024

GRADUATE OPPORTUNITIES

Greetings!

On January 16th, the Clinton Global Initiative (CGI) announced a new fellowship designed to engage a curated cohort of emerging entrepreneurs. The CGI Fellowship aims to equip them with essential resources and mentorship to develop and execute initiatives tackling pressing global challenges. In the inaugural 2024 year, the CGI Fellowship will choose 25 individuals to develop CGI Commitments to Action- new, specific, and measurable projects dedicated to addressing critical challenges including the climate crisis, global health inequity, and humanitarian crisis. More information about this new Fellowship is available here: www.clintonglobal.org/fellowship

In addition, the CGI University 2024 application has launched and we are looking for current undergrad and grad students to apply for our 2024 student cohort. For more information on CGI University visit www.cgiu.org.

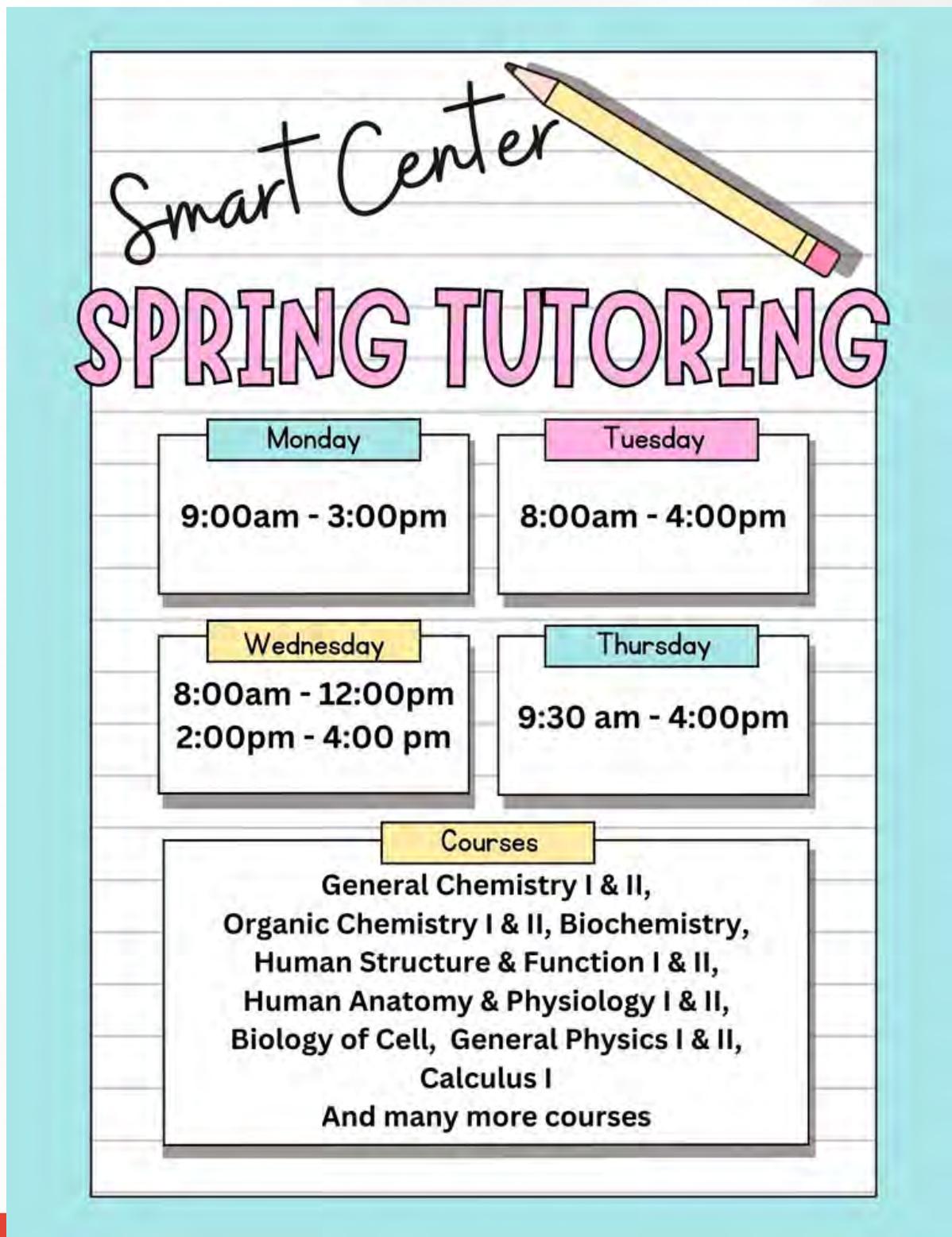
We would love for you to share this information with your campus community. You can find the CGI University social media toolkit [here](#) and the CGI Fellowship toolkit [here](#) along with the 2024 Fellowship [flyer](#). Note that the application deadline for both programs is

March 15, 2024.

Any interested applicants for both programs can also register to attend a Clinton Global Initiative (CGI) Entrepreneurship Informational Webinar – these take place weekly through March 12th.

Of course, please let me know if you have any questions or concerns and for student queries, please have them email cgiu@clintonglobalinitiative.org.

OTHER OPPORTUNITIES



A poster for Smart Center Spring Tutoring. The title 'Smart Center' is written in cursive at the top left, with a yellow pencil pointing towards it. Below the title, 'SPRING TUTORING' is written in large, pink, bubbly letters. The poster lists the days and times for tutoring: Monday (9:00am - 3:00pm), Tuesday (8:00am - 4:00pm), Wednesday (8:00am - 12:00pm and 2:00pm - 4:00pm), and Thursday (9:30 am - 4:00pm). A section titled 'Courses' lists various subjects including General Chemistry, Organic Chemistry, Biochemistry, Human Structure & Function, Human Anatomy & Physiology, Biology of Cell, General Physics, and Calculus I, along with a note that many more courses are available.

Smart Center

SPRING TUTORING

Day	Time
Monday	9:00am - 3:00pm
Tuesday	8:00am - 4:00pm
Wednesday	8:00am - 12:00pm 2:00pm - 4:00 pm
Thursday	9:30 am - 4:00pm

Courses

General Chemistry I & II,
Organic Chemistry I & II, Biochemistry,
Human Structure & Function I & II,
Human Anatomy & Physiology I & II,
Biology of Cell, General Physics I & II,
Calculus I
And many more courses

OTHER OPPORTUNITIES

Tutor Schedule Spring 2024

Time	Monday	Tuesday	Wednesday	Thursday	Friday - Tutoring Center Closed
8am - 9am		Courtney	Alexx		
9am - 10am	Armari	Alexx (9:30), Braden (9:30), Courtney	Alexx, Armari	Alexx (9:30), Braden (9:30)	
10am - 11am	Diana, Ethan, Matthew	Alexx, Braden, Courtney	Anna, Ethan, Matthew	Alexx, Braden	
11am - 12pm	Ethan	Anna, Braden	Anna, Ethan	Armari, Braden	
12pm - 1pm	Marin	Anna		Armari	
1pm - 2pm	Marin, Matthew	Courtney		Armari, Marin	
2pm - 3pm	Matthew	Courtney, Diana, Matthew	Anna	Diana, Marin	
3pm - 4pm		Diana, Ethan	Marin	Diana	

Subject

Human Structure & Function I & II
Anna, Courtney, Diana, Braden (HSF I Only)

Microbiology
Alexx, Anna, Diana

Biochemistry
Anna, Alexx, Braden, Diana, Matthew

Biology of Animals
Anna, Armari, Braden, Courtney, Diana, Ethan

Biology of Plants
Anna, Armari, Braden, Courtney, Diana, Ethan

Fund. Concepts of Organic & Biochemistry
Marin

Pre-Calculus
Armari

Biology of the Cell
Anna, Armari, Alexx, Braden, Diana, Ethan, Matthew

Genetics
Alexx, Courtney, Diana, Ethan

Calculus I
Armari, Diana, Marin

Fund. Concepts of Chemistry
Armari, Marin

Organic Chemistry 2
Armari, Marin, Matthew

Physics 1
Alexx, Braden, Courtney, Matthew

General Chemistry 2
Armari, Courtney, Matthew

Intro to Space Science
Matthew

Human Anatomy & Physiology I & II
Anna, Courtney, Diana, Braden (A&P I Only)

Ecology
Alexx, Diana, Ethan, Marin

Physics 2
Courtney, Marin, Matthew

Pathophysiology
Anna

Survey of Physics for HP
Braden, Courtney, Matthew

University Physics I
Matthew

General Chemistry I
Armari, Braden, Courtney, Marin, Matthew

Organic Chemistry I
Braden, Marin, Matthew

General Biology
Diana

February 9, 2024

OTHER OPPORTUNITIES

Super V Drugs in Jonesboro, and would love for you to send interested students by for a brief interview!

We are seeking a part-time pharmacy technician (we'll train, no license required) that will work afternoons and approximately every other Saturday.

We're looking for a motivated pre-professional student that is available around 1:00-5:30 and Saturday 8:00-12:30.

We understand science schedules and labs and are willing to be flexible in that regard.



OTHER OPPORTUNITIES

MINORITY EDUCATIONAL INSTITUTION STUDENT PARTNERSHIP PROGRAM



Learn



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!



February 9, 2024

OTHER OPPORTUNITIES



9th Annual Regional Student Scholars Forum

Graduate & Undergraduate Students from universities in Louisiana, Arkansas, Mississippi, Oklahoma, and Texas are invited to present research and/or creative work in:

- Arts & Humanities
- Business
- Education
- Health Sciences
- Social Sciences
- STEM Disciplines

ORAL AND POSTER PRESENTATIONS



**Awards for Best
Graduate &
Undergraduate
Paper & Poster**

Event website including Online registration and
abstract submission

<https://www.lsus.edu/student-scholars-forum>

MARK YOUR CALENDAR

April 5, 2024

LSU Shreveport

NO REGISTRATION FEES!

Abstracts due

March 18, 2024

FOR MORE INFO

CONTACT:

Dr. Sanjay Menon

*Dean of Graduate
Studies*

sanjay.menon@lsus.edu

OTHER OPPORTUNITIES

College of Sciences & Mathematics

CAREER DEVELOPMENT Workshops

Need help with your Resume?
Want to Practice for a Professional Interview?



09:00AM-4:00PM



LSW 437



Wed. January 31
Mon. February 19
Tue. March 5
Mon. April 8
Tue. April 23



Drop In Sessions! Stop in when you
can, stay as long as you need!

February 9, 2024

OTHER OPPORTUNITIES

PI DAY TRIVIA NIGHT



THURSDAY MARCH, 14TH
LAB SCIENCE EAST 206
5:00 - 6:30

JOIN US FOR A FUN NIGHT OF TRIVIA
AS WELL AS ANNOUCING THE
WINNER OF THE A-STATE MATH
POETRY CONTEST

February 9, 2024

OTHER OPPORTUNITIES

COME GET ADVICE FROM CURRENT
UAMS MEDICAL STUDENTS

PERSONAL STATEMENT WORKSHOP

Saturday, February 24

11am-2:30pm

UAMS Active Learning Center

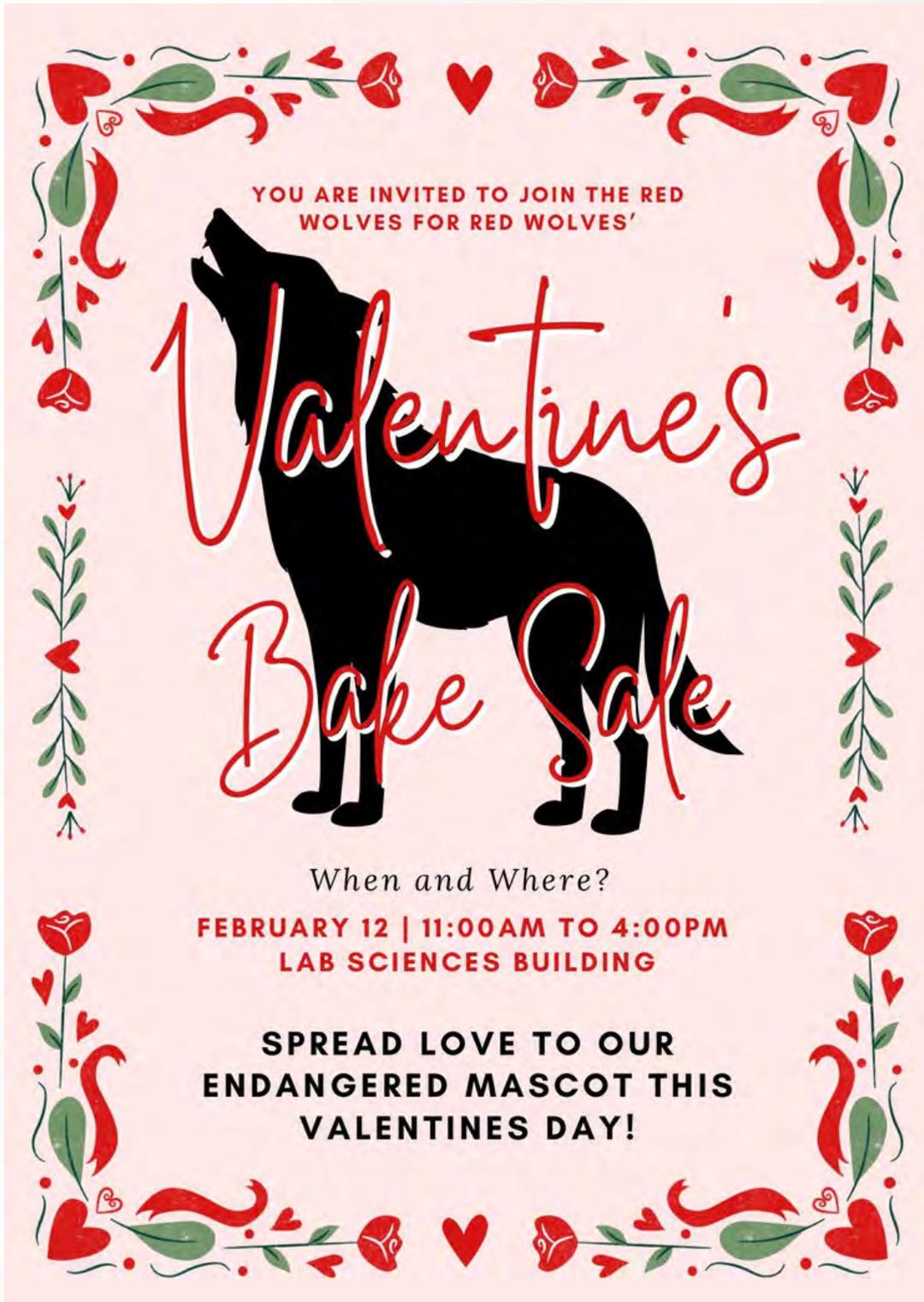
1st Floor ED II

[SIGN UP NOW](#)

HOSTED BY UAMS PRE-MED
MENTORSHIP INTEREST GROUP

February 9, 2024

OTHER OPPORTUNITIES



YOU ARE INVITED TO JOIN THE RED
WOLVES FOR RED WOLVES'

Valentine's
Bake Sale

When and Where?
FEBRUARY 12 | 11:00AM TO 4:00PM
LAB SCIENCES BUILDING

SPREAD LOVE TO OUR
ENDANGERED MASCOT THIS
VALENTINES DAY!

February 9, 2024

OTHER OPPORTUNITIES

Upcoming PreSOMA Events



**February 13th from 5:30-7 pm
NYIT student and resident panel
discussion**

Location: NYIT

**February 21st from 5- 7 pm
Mock Interviews by NYIT medical
students**

Location: NYIT- Wilson Hall, Room 201

**Join the GroupMe to get
more information on
club events!**

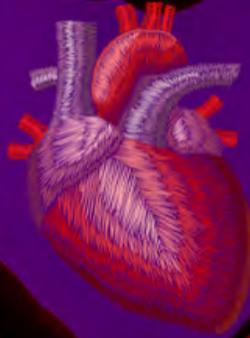


February 9, 2024

OTHER OPPORTUNITIES

Minority Association of Pre-Medical Students
Presents..

Intravenous Skills Lab



SCAN
ME! >>>



When: *#ThursDate*
Feb. 15th @5:00 PM

Where: Mockingbird Room

**#FUTUREDOCTORS: PRETTY ENOUGH TO STOP YOUR HEART...
SKILLED ENOUGH TO RESTART IT.**

February 9, 2024

OTHER OPPORTUNITIES

Over \$400 in Prizes!

BLACK BUSINESS BEAUTY *Basket*

MAKE UP · HAIR · NAIL
WAXING · LASHES · BOUTIQUE
APPAREL · GIFT CARDS

February 5th-28th



SCAN NOW

\$2- 1 ticket

\$8- 5 tickets

\$15- 10 tickets

\$30- 20 tickets

@MINORITY ASSOCIATION OF PRE-MEDICAL STUDENTS

OTHER OPPORTUNITIES

MINORITY ASSOCIATION OF PRE-MEDICAL STUDENTS

SCAN ME! >>>



BATTLE OF THE ORGANIZATIONS

Pack A Snack

PICK UP

Student Orgs. Pick-up boxes during M.A.P.S. tabling hours
Wednesday, January 24th and Thursday, January 25th 11:00am-1:00pm bottom floor of Student Union

DROP OFF

Drop off Snack-filled boxes February 22nd in the Pine Tree Room between 5pm-6pm
Winning Org. gets Pizza Party, Trophy, & Feature on M.A.P.S. Instagram!

PACKING

Packing Snack Bags for Jonesboro Public School Kids
Wednesday February 28th from 4:30pm-6:30pm in the Spring River Room

**Not Required...However, Volunteers are Welcome!*



ACCEPTABLE ITEMS:

Ramen Noodles, Soup, Fruit Snacks, Canned Pasta, Peanut Butter, Mac & Cheese, Juice Boxes, Cereal, Chips, Granola Bars, Canned Fruit, Little Debbie Snack Cakes, Popcorn, Packaged Peanut Butter Crackers, Packaged Cheese & Crackers, Tuna, Beef Jerky (any non-perishable snacks except for soda & candy)

HELP STAMP OUT HUNGER BY DONATING SNACKS FOR KIDS!

Contact Person: Erin Byrd (M.A.P.S Community Service Director)
Email: erin.byrd@smail.astate.edu
Phone Number: 870-692-9108

OTHER OPPORTUNITIES

Date: #ThursDate, March 7, 2024

Time: 6:00pm

Where: Mockingbird Room



Med School Speed Dating

1. Put yourself out there to get seen by a potential match!
2. Dress to Impress
3. Ask good questions
4. Watch your body language
5. Learn about MCAT Prep
6. Think about your options.

SCAN ME! >>>



February 9, 2024

OTHER OPPORTUNITIES

2024 MAPS Conference

Hosted by the Edith Irby Jones Chapter of
the Student National Medical Association

March 9th, 2024

8:00AM - 3:30PM

University of Arkansas for Medical Sciences
I. Dodd Wilson Education Building
Room 226

\$5 Non-Refundable Registration Fee
Registration Deadline is February 16, 2024

Register using the QR Code below!



February 9, 2024

OTHER OPPORTUNITIES

FEBRUARY GENERAL BODY MEETING

**THURSDAY, FEBRUARY 22ND AT 6PM
MOCKING BIRD ROOM**

**FREE FOOD
&
GIVEAWAYS**



February 9, 2024

**OTHER
OPPORTUNITIES**

Black Men In Medicine

**Thursday, February 29th 6PM
Mockingbird Room**

**FREE FOOD
&
GIVEAWAYS**



February 9, 2024

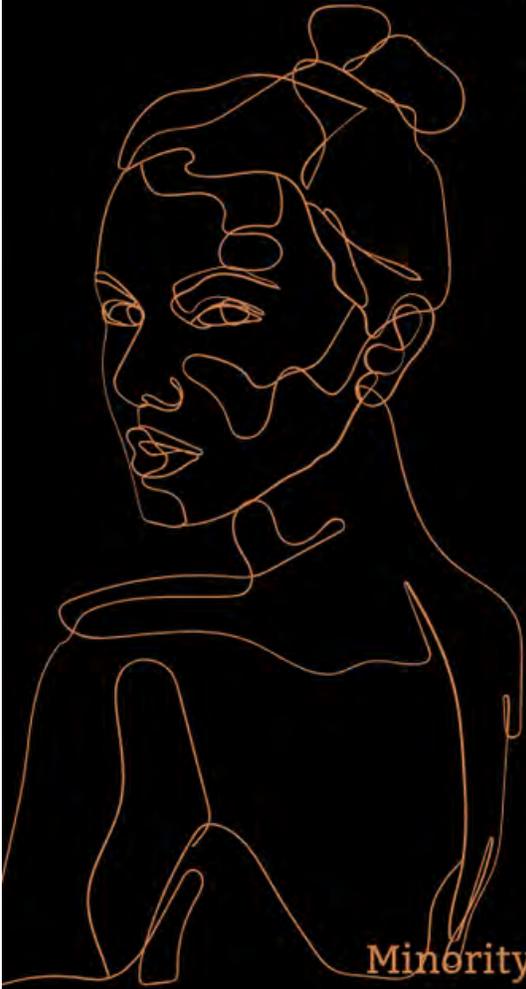
OTHER OPPORTUNITIES

We could study math, but
I'd rather be studying
Anatomy

SCAN
ME! >>>



When: *#ThursDate*
April 4th @5 PM
Where: NYIT



Minority Association of Pre-Medical Students

February 9, 2024

OTHER OPPORTUNITIES

SOMA + MSPA

KNOW **HIV AND HOW IT AFFECTS YOUR FUTURE **PATIENTS.****

RSVP HERE



**GET INFORMED.
END THE STIGMA.
HEAR FROM EXPERTS.**

6:00-7:30 PM

APRIL 1, 2024

**CENTENNIAL HALL IN RENG STUDENT UNION AT ASU
WITH SPECIAL PANEL DISCUSSION FROM 7:30 - 8:00 PM**

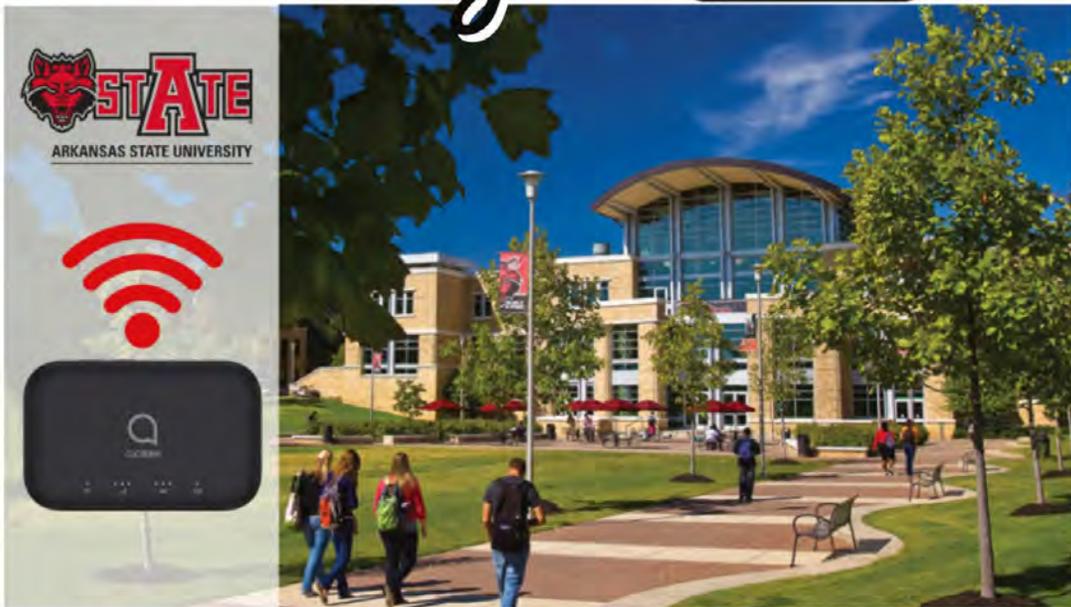
February 9, 2024

OTHER OPPORTUNITIES

WIFI *on the go*



 SCAN ME



Stay connected whenever, wherever with Wifi on the Go powered by T-Mobile!

With Wifi on the Go, you'll get unlimited internet access and a free 5G personal hotspot for just \$50 per month with no contract.

**EXCLUSIVE
PERK FOR A-STATE
EMPLOYEES
AND STUDENTS**

OTHER OPPORTUNITIES

JANUARY

STUDENT RESEARCH & CREATIVITY NEWSLETTER

SURF Award Winners

Isabella Davis
 Jeanette Strano
 Cade Bennett
 Morgan Diamond
 Luke Keen
 John Lindner

well done!



Create@State

Create@State will be April 17-18, 2024

- Create@State Abstract Submission
 - Submission **Deadline is March 1**
 - <https://astate.infoready4.com/#competitionDetail/1925496>
- For more information visit:
<https://www.astate.edu/a/ortt/research-development/create-state.dot>

Featured Research Tool

- FREE list of **local & abroad internships/research experiences**
 - <https://www.orau.org/internships-fellowships/opportunities.html>
- Use this handy tool to find summer internships and research experiences!

Research Opportunities



Dr. Scott Mangan
 (smangan@AState.edu)
 Ecology & biological communities

Dr. Viswanathan Rajagopalan
 (vrajagop@nyit.edu); NYIT - cardiovascular disease

Dr. Veena S. Kulkarni
 (vkulkarni@astate.edu); Sociology - social scientific references

Dr. Jennifer Xie
 (Jennifer.Xie@nyit.edu); NYIT - chronic pain treatment

Dr. Karen L. Yanowitz
 (kyanowitz@astate.edu); Psychology- Exploring parasocial relationships

Dr. Kris Biondolillo
 (kdbiondo@AState.edu); Psychology - Behavioral reserach

If you are seeking student researchers please contact alexw.weaver@astate.edu

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

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State University, AR 72467

Phone: (870) 972-4814

