

Opportunity Title: Examination of Internal Standard Reproducibility

Opportunity Reference Code: AFSAM-8646219597

Organization U.S. Department of Defense (DOD)

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How to Apply Components of the online application are as follows:

- Profile Information
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - [Click here for detailed information about acceptable transcripts](#)
- References

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blacked out, blackened out, made illegible, etc.) prior to uploading into the application system.

If you have questions, send an email to Airforce@orise.orau.gov. Please list the reference code of this opportunity in the subject line of the email.

All documents must be in English or include an official English translation.

Description The U.S. Air Force School of Aerospace Medicine (AFSAM) is an internationally renowned center for aerospace medical learning, consultation, aerospace medical investigations and aircrew health assessments. We promote readiness and protect force and community health by using a range of tools and expertise including environmental and health surveillance, laboratory and risk analysis, process re-engineering, consultation and technological innovation to maximize operational health capabilities and to solve problems through ingenuity and partnerships. For more information, please visit: <https://www.wpafb.af.mil/afrl/711hpw/USAFSAM/>.

Under the direction of the mentor, the intern will participate in the investigation of bromopentafluorobenzene (BPFB) which is an internal standard that is injected by the HAPSITE ER (ER) prior to each run. The ER is a gas chromatographic mass spectrometer which can distinguish isotopic analogs by their molecular weight.

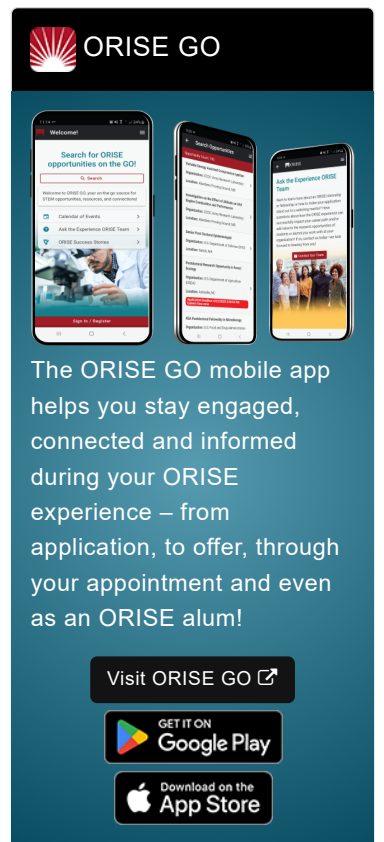
Appointment Length

An ORISE appointment period can be a short-term (less than 2 weeks), summer (10-12 weeks), or yearlong appointment. Faculty appointments are generally for 10-12 weeks during the summer, but appointments during the academic year are also available. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

Participant Benefits


Participants will receive a stipend to be determined by AFSAM. Stipends are typically based on the participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:


- Health Insurance Supplement. *Participants are eligible to purchase health insurance through ORISE.*
- Relocation Allowance
- Training and Travel Allowance




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Nature of Appointment

The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOD, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

While participants will not enter into an employment relationship with DOD or any other agency, this opportunity will require a suitability investigation/background investigation. Any offer made is considered tentative pending favorable outcome of the investigation.

Qualifications Applicants must be an undergraduate that has completed basic chemistry and mathematic curriculum in a physical science or engineering degree program. To qualify for ORISE, candidates must have completed their degree within the past five years.

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Associate's Degree or Bachelor's Degree received within the last 60 months or currently pursuing.
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Engineering** ([27](#) )
 - **Mathematics and Statistics** ([10](#) )