

Opportunity Title: SRNL Postdoctoral Research Associate, National Laboratory/Weapons Technology Group

Opportunity Reference Code: SRNL-17-02R-NSD

Organization Savannah River National Laboratory (SRNL)

Reference Code SRNL-17-02R-NSD

- How to Apply**
- Submit application and supporting documents by clicking on Apply Now button.
 - *For more information, contact:* SRNLPostdocProgram@orau.org.

Application Deadline 4/15/2018 12:00:00 AM Eastern Time Zone

Description The National Security Directorate (NSD) at Savannah River National Laboratory (SRNL) seeks highly qualified candidates for a Postdoctoral Research Associate position at the Aiken, SC facility.

The NSD is seeking a Postdoctoral Associate to participate in the development and implementation of gas chromatographic techniques for the detection of hydrogen isotopes and impurities. The main goal of the program is to refine the current techniques and build a prototype of a gas chromatograph for the desired application. In this role, the Postdoctoral Research Associate will team with Scientists, Engineers, and Technologists within Savannah River National Laboratory.

The selected candidate will be involved in a team composed of scientists and engineers identifying potential opportunities to refine analytical methods mostly focused on gas chromatographic techniques. The work will include synthesis of materials and surface characterization. Development and validation of analytical methods is also needed. The work might require collaborative efforts with other groups within SRNL.

Responsibilities include but not limited to:

- Interpretation of data derived from experiments,
- Participating in and informing the optimization of experimental conditions, and
- Design appropriate setup and material(s) to obtain desired analytical separations.

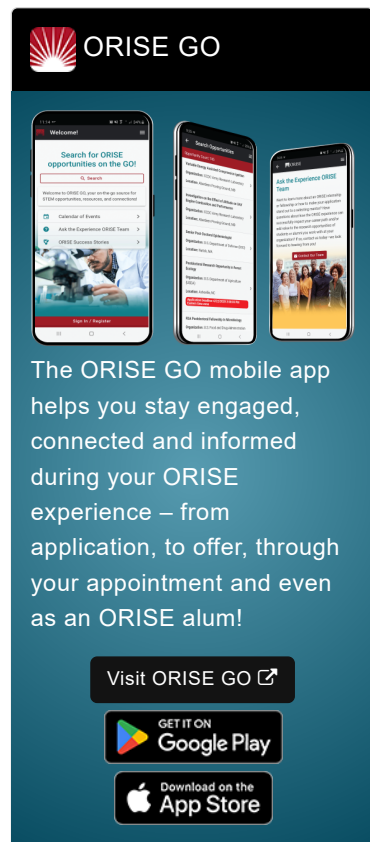
Qualifications Eligible applicants must:

- Be a US Citizen,
- Have earned a Ph.D. in Chemistry (preferably), Chemical Engineering, or Electrical Engineering; from an accredited university or college within the last 60 months, and
- Be capable of obtaining a security clearance.

Required Knowledge, Skills, Work Experience, and Education

Successful candidates will have:

- Strong knowledge and hands on experience in gas chromatography,
- Thorough knowledge on materials synthesis and characterization methods,
- Experience working in a fast-paced environment or on time-sensitive



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- projects,
- Experience with complex data analysis, and
- Publication record on related topics.

Desired Knowledge, Skills, Work Experience, and Education

It is desirable for the candidate to have:

- Knowledge on MEMS.

For general application process questions and program eligibility, please contact: SRNLPostdocProgram@orau.org.

Information on the Savannah River Nuclear Laboratory can be found at <http://srnl.doe.gov/>.

Applications will be accepted until the position is filled. Appointments are made through the Oak Ridge Institute for Science and Education (ORISE).

The SRNL Postgraduate Research Associates Program is administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education (ORISE).

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Doctoral Degree received within the last 60 month(s).
 - **Overall GPA:** 3.00
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#))
 - **Engineering** ([2](#))

Affirmation I certify that I am at least 18 years of age; have earned a Ph.D. in Chemistry (preferably), Chemical Engineering, or Electrical Engineering; from an accredited university or college within the last 60 months; and a citizen of the United States of America.

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