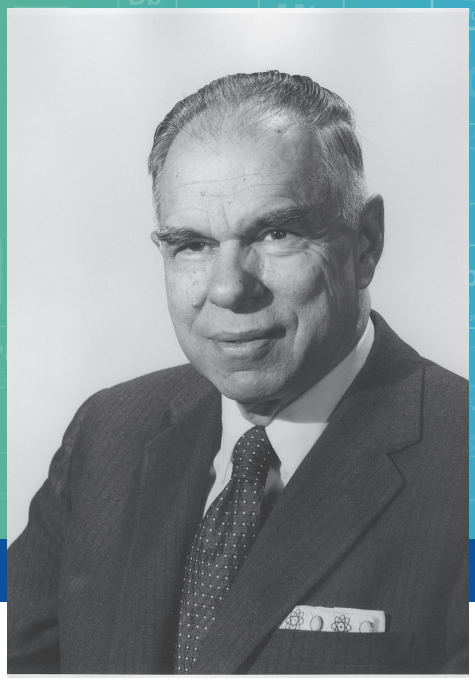
106
Sg
266
Seaborgium



GLENN T. SEABORG
Distinguished Postdoctoral Associate

For more than six decades, Idaho National Laboratory scientists and engineers have helped solve some of the nation's most pressing energy, environment and national security challenges. The advancement of actinide chemistry and physics is a fundamental part of the INL mission. To support that effort, the laboratory is offering a valuable opportunity for top early-career Ph.D. researchers in related fields.

The Glenn T. Seaborg Distinguished Postdoctoral Associate program is designed to nurture early-career scientists and engineers with a specific focus on the actinide elements in support of nuclear energy, nuclear fuel cycle, waste treatment, proliferation, and fundamental science topics. This highly competitive appointment will provide the candidate with outstanding opportunities focused on specific programmatic research topics but also allowing flexibility to further the candidate's research interests. The full support of the national laboratory along with energetic and talented colleagues will offer the chosen candidate an excellent opportunity to develop a rewarding career in this field.

Ideal candidates will have exceptional talent, scientific track records and potential to become impact players in the field of actinide studies. Preferred candidates will have experience and interest in solid state chemistry and physics, materials science, nuclear physics, solution chemistry and separations, radiation chemistry, forensics and standards, and other related fields as they apply to the actinides.

The Glenn T. Seaborg Distinguished Postdoctoral Associate appointment provides up to two years of research support to the selected candidate with a possible one-year extension. The mission of INL's Glenn T. Seaborg Institute is to help the candidate develop a potential long-term career relationship following a successful appointment.

Glenn T. Seaborg

Glenn T. Seaborg (1912-1999) is widely recognized as the father of the modern Periodic Table of Elements after he suggested that elements 89-103 be placed in a series below the lanthanide elements. This breakthrough allowed him to predict the properties of new elements and led to his discovery of multiple new elements including plutonium, americium, and the element that bears his name, seaborgium, among others.

His work significantly impacted modern society. His discoveries, along with those of many other important researchers, ushered in the modern nuclear age and led to the widespread use of nuclear energy and countless radiological advancements in medical, household, and military applications. He served as an advisor to multiple U.S. presidents and organizations that shaped nuclear policy and research directions.

In his later career, Seaborg became concerned with the lack of new researchers entering the fields of actinide and transactinide studies. He was instrumental establishing the first Glenn T. Seaborg Institute with the twofold mission of encouraging the development of new researchers and advancing the scientific understanding of the f-block elements.

Distinguished Postdoctoral Associate Program:

- Opportunity to develop and build independent research while helping advance INL, the Department of Energy, and national agendas for energy and security.
- Access to cutting-edge instrumentation and facilities.
- Mentors include top INL researchers and leaders.
- A prestigious and competitively compensated position.

Candidate Requirements

- Attained a doctorate degree in nuclear or mechanical engineering, physics or comparable discipline.
- Completed Ph.D. prior to distinguished postdoctoral appointment and within the previous five years.
- Demonstrated leadership and potential for independent research.
- Demonstrated oral and written scientific communication skills in English.

Preferred Candidates

- Possess a Ph.D. degree from a prestigious university.
- Graduate of a prestigious program in their field.
- Completed a research experience or Postdoc appointment at a premier institution.

Application Deadline

The application is open October through January with reviews and selections performed on an as-received basis, with the latest announcements in May.

Application Process

Please submit the following materials:

1. Letter of interest that details long-term professional goals, dates of availability, and development goals that include descriptions of strengths and disciplinary areas for research (two pages maximum, 8.5-by-11-inch paper, single-sided)
2. Current curriculum vitae
3. Unofficial transcripts
4. Bibliography of publications, preprints and significant presentations
5. One peer-reviewed publication preprint or reprint of your choice
6. Abstract of doctoral dissertation
7. Proposed research plan (maximum of two pages, 8.5-by-11-inch paper, single-sided) that includes:
   - Research to be addressed
   - Conjectures or hypotheses to be tested
   - Proposed methods of investigation
   - Guiding relevant theoretical frameworks
   - Research schedule
   - Unburdened budget
   - Major equipment needs and other necessary resources
8. Three letters of recommendation, one must be from Ph.D. advisor

Applicants must submit all required materials through www.inl.gov/careers

Applications that do not follow all submission instructions may be deemed ineligible.

Finalists may be asked to provide additional information.

Contact Information:

Postdoctoral Specialist
Idaho National Laboratory
2525 N. Fremont Avenue
Idaho Falls, ID 83415-3790
postdocoffice@inl.gov