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## Vacancy: IRC127535

### Primary Details

<b>Business Group</b>	Los Alamos National Laboratory	<b>Status</b>	Approved
<b>Vacancy Name</b>	IRC127535	<b>Total Openings</b>	2
<b>Start Date</b>	21-Dec-2023	<b>Location</b>	03-0261-S129-OFF
<b>Org Code</b>	3D000A	<b>Job Title</b>	
<b>Professional Area</b>	Science	<b>Employment Status</b>	Full Time
<b>Recruiter Name</b>		<b>Creation Date</b>	21-Dec-2023
<b>Position has Physical Job Requirements</b>	No	<b>Appointment Type</b>	Regular
<b>Covered by a current Affirmative Action placement goal</b>	No	<b>Stimulus Funded Position</b>	
<b>New Position or Replacement</b>	Replacement	<b>Science/Eng Area or Major</b>	Earth & Environmental Science
<b>Replacement For (enter Z number)</b>	Replacement	<b>Posting Scope</b>	External
<b>HR Generalist (enter Z number)</b>	238180	<b>PU Mission</b>	No
	<a href="#">Sutton, Jennifer Anne</a>		No
<b>FR#</b>		<b>IRC Job Classification</b>	
		<b>Job Family</b>	
		<b>Job Function</b>	

### Compensation Information

<b>Annual Salary Minimum</b>	
<b>Annual Salary Maximum</b>	
<b>Appointment Type</b>	Regular
	<a href="#">Regular</a>
<b>Posting Scope</b>	External
	<a href="#">External</a>
<b>IRC Job Classification</b>	
<b>Job Family</b>	
<b>Job Function</b>	

### Job Posting

<b>Vacancy Name</b>	IRC127535
<b>Job Title</b>	Geologist/Geochemist (Scientist 2/3)
<b>Organization Name</b>	EES-16/Earth & Environmental Sciences

#### What You Will Do

The Energy and Natural Resources Security Group (EES-16) in the Environmental Sciences (EES) Division at Los Alamos National Laboratory is opening for a staff scientist position either at the Scientist 2 or Scientist 3 level, depending on the skills and experience of the selectee. We are looking to hire a motivated and enthusiastic scientist, with a strong background in experimental geochemistry and repository science group's various R&D efforts in spent fuels disposal and safety case analysis. If selected, you will join a diverse team of geologists, geochemists dedicated to supporting several aspects of our spent fuel disposal program.

#### Scientist 2 (\$99,200-\$164,100 annually)

This position typically requires a skilled geologist or geochemist that applies a broad basis of existing theories and principles to conduct multidisciplinary environment to support existing projects. Candidates are expected to produce new technical experimental data, report sponsors, contribute to the completion of milestones on multiple focus areas/projects, and present at national and international conferences. This position typically requires conducting and providing supervision for postdocs, students, and technicians on experimental planning and operations. This position also requires participation and assisting others in external technical activities such as organizing workshops, peer reviews. The successful candidate will support activities in several current projects including:

- Experimental research supporting performance assessment in the field of nuclear waste repository science
- Stability of engineered barrier materials (e.g., bentonite clay, cement, shale/granite host rock)
- Impact of radiation on materials performance, including gas generation and permeability changes
- Understanding and manipulating mineral stability and water-rock interactions potentially generated in repository scenarios
- Chemistry under extreme conditions of engineered barrier systems
- Chemistry of actinides under extreme conditions
- Thermodynamic, structural, and speciation characterization of actinides and actinide nuclear materials with special emphasis on

#### Scientist 3 (\$119,200-\$201,100 annually)

In addition to what was outlined at the scientist 2 level, a Scientist 3 position requires a more experienced professional in a broad and specialized field that has shown the ability to develop advanced concepts and state-of-the-art technologies. Staff at Scientist 3 level are expected to contribute or lead in the group's goal setting planning. Responsibilities include leading new proposals, developing new capabilities,

group's visibility nationally and internationally through technical presentations and publication in national and international journals. expected to coordinate and monitor work for others, and are responsible for setting high standards for safe conduct of operations.

### ***What You Need***

#### **Minimum Job Requirements for Scientist 2 position:**

- Experience with high-pressure and/or high-temperature laboratory equipment
- Knowledge of mineralogy and crystal chemistry
- Research in the field of nuclear waste repository science
- Knowledge of mineral stability and water-rock interactions
- Experience with state-of-the-art mineral characterization techniques and data analysis
- Experience coordinating laboratory operations and providing mentoring to technicians, students, and postdocs

#### **Additional Job Requirements for Scientist 3 position:**

- Leading roles is proposal writing and capability development
- Contribution to strategic planning for the team and group
- Leading role in ensuring safe operations in the laboratory
- Mentoring of staff, research technologists, postdocs, and students

**Education/Experience at lower level:** Position requires a Bachelor's degree in the science or engineering field from an accredited college and 4 years of related experience or an equivalent combination of education and experience directly related to the occupation. PhD preferred

**Education/Experience at higher level:** Position requires a Master's degree in the science or engineering field from an accredited college and 6 years of relevant experience or an equivalent combination of education and experience directly related to the occupation. PhD preferred

#### **Desired Qualifications:**

- Ph.D. in geology, chemistry, or geochemistry with a minimum of two years of postdoctoral experience
- Experience with cold seal reactor systems and rocking autoclaves
- Experience in igneous petrology
- Safety case analysis
- Melt glass chemistry and metal partitioning
- Experience with geochemical modeling software
- Knowledge of the DOE office of science, DOE fossil energy programs, or DOE nuclear energy programs
- Strong background in mineral thermodynamics and phase equilibrium analysis
- Previous experience with various calorimetric techniques, particularly high temperature drop solution calorimetry
- Ability to obtain a Q clearance, which requires US citizenship
- Experience writing competitive proposals

**Work Location:** This is a full-time position on-site in Los Alamos, NM.

**Position commitment:** Regular appointment employees are required to serve a period of continuous service in their current position eligible to apply for posted jobs throughout the Laboratory. If an employee has not served the time required, they may only apply for with the documented approval of their Division Leader. The position commitment for this position is 1 year.

**Note to Applicants:** No applicant is expected to have all of the desired skills. Anyone who meets the minimum requirements is encouraged. Please attach a resume or a CV and a cover letter addressing all required and desired skills. Application without a resume or a CV and will not be considered. To request more information email to hakim@lanl.gov or call 1-505-667-8916. While the posted salary range for this position is highly unusual for selected applicants to be hired at the top end of the range and more common for selected candidates to grow in over time.

### ***Where You Will Work***

Located in beautiful northern New Mexico, Los Alamos National Laboratory (LANL) is a multidisciplinary research institution conducting strategic science on behalf of national security. Our generous benefits package includes:

- PPO or High Deductible medical insurance with the same large nationwide network
- Dental and vision insurance
- Free basic life and disability insurance
- Paid maternity and parental leave
- Award-winning 401(k) (6% matching plus 3.5% annually)
- Learning opportunities and tuition assistance
- Flexible schedules and time off (PTO)
- Onsite gyms and wellness programs
- Extensive relocation packages (outside a 50 mile radius)

### ***Additional Details***

**Directive 206.2** - Employment with Triad requires a favorable decision by NNSA indicating employee is suitable under NNSA Supplemental Directive 206.2. Please note that this requirement applies only to citizens of the United States. Foreign nationals are subject to a similar requirement under Order 142.3A.

**\*Eligibility requirements:** To obtain a clearance, an individual must be at least 18 years of age; U.S. citizenship is required except in very special circumstances. See DOE Order 472.2 for additional information.

**No Clearance:** Position does not require a security clearance. Selected candidates will be subject to drug testing and other pre-employment checks.

**New-Employment Drug Test:** The Laboratory requires successful applicants to complete a new-employment drug test and maintains a policy that includes random drug testing. Although New Mexico and other states have legalized the use of marijuana, use and possession remain illegal under federal law. A positive drug test for marijuana will result in termination of employment, even if the use was pre-

**Regular position:** Term status Laboratory employees applying for regular-status positions are converted to regular status.

**Internal Applicants:** Regular appointment employees who have served the required period of continuous service in their current position apply for posted jobs throughout the Laboratory. If an employee has not served the required period of continuous service, they may convert to Laboratory jobs with the documented approval of their Division Leader. Please refer to Policy Policy P701 for applicant eligibility requirements.

**Equal Opportunity:** Los Alamos National Laboratory is an equal opportunity employer and supports a diverse and inclusive workforce. Practices are based on qualification and merit, without regard to race, color, national origin, ancestry, religion, age, sex, gender identity or preference, marital status or spousal affiliation, physical or mental disability, medical conditions, pregnancy, status as a protected veteran, information, or citizenship within the limits imposed by federal laws and regulations. The Laboratory is also committed to making our facilities accessible to individuals with disabilities and will provide reasonable accommodations, upon request, for individuals to participate in the hiring process. To request such an accommodation, please send an email to [applyhelp@lanl.gov](mailto:applyhelp@lanl.gov) or call 1-505-665-4444 option 1.

**Display HR Generalist/Recruiter Details** Yes  
**Human Reliability Program** No  
**DOE 426.2** No  
**Clearance Level** U  
Uncleared  
**External Posting Source**

Site Name	Posting Start Date	Posting End Date
iRecruitment Internal Site	21-Dec-2023	21-May-2024
iRecruitment External Site	21-Dec-2023	21-May-2024

**Recruiting Team**

Please send an email to the Service Center to add additional team members.

Person	Email	Vacancy Security	Interview Security
Van Wijk, Jolante Wieke	<a href="mailto:jolantevanwijk@lanl.gov">jolantevanwijk@lanl.gov</a>	View Only	All Interviews
Pasqualini, Donatella	<a href="mailto:dmp@lanl.gov">dmp@lanl.gov</a>	View Only	All Interviews
Boukhalfa, Hakim	<a href="mailto:hakim@lanl.gov">hakim@lanl.gov</a>	View Only	All Interviews
Serna, Brittany	<a href="mailto:bserna@lanl.gov">bserna@lanl.gov</a>	View Only	All Interviews

**Communication Properties**

**Default Communication Status** Not Started  
**Send Notifications** Yes  
**Allow Attachments** All  
**Add Recipients** All  
**Moderator** Recruiter And Hiring Manager

**Internal Documents**

Seq	Title	Description	Last Updated By	Last Updated	Update
No results found.					

**External Documents**

Seq	Title	Description	Last Updated By	Last Updated	Update
No results found.					