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Job details

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Auto req ID 4644BR

Job Abbreviation Title Principal Scientist (Radiochemist)

Salary Range (annual) \$89,892 - \$140,265

Note: Salary offers are commensurate with candidate's experience and applicable education in comparison to incumbents.

Job Description Define scope of technical programs and develop effective, quality solutions to challenges which involve unique or controversial problems. Creatively meet all SRNS and industry requirements and apply SRNS systems to achieve quality, timely and cost effective results. Give quality guidance and assistance to less senior professionals on related tasks.

Responsibilities include analytical method oversight, including data review & reporting, oversight of method performance, method troubleshooting, method quality control/assurance, as well as a knowledge of associated radionuclide standards & the traceability of those standards.

Responsibilities will also include providing technical support to maintain laboratory accreditation (ex. MAPEP/DOELAP).

This position works closely (daily) with Lab Techs and other technical professionals to resolve issues (troubleshoot), develop alternative solutions, and provide guidance on a variety of radiochemical analysis.

This position is considered a Subject Matter Expert (SME) to working group and peers.

Apply technical experience in field of specialization or broad-based experience in multiple technical fields, to resolve complex problems. Incorporate advanced technical practices and a variety of complex features such as complicated technical requirements, application of new or special materials or processes and difficult coordination or oversight requirements into problem solving and program planning. Provide leadership in determining solutions to complex problems and be recognized as having expertise in a functional area(s) of technical expertise. Provide direction and position responsibility both inside and outside department lines on programs seeking new approaches to problems and new application of existing engineering or scientific principles. Evaluate the results of programs and prepares reports and recommendations based on these evaluations. Identify and recommend improvements where established technology components and methodology are inadequate for solution. Keep informed of the advancement of technology as applied through one's area of technology. Prepare plans including schedules, budgets and personnel requirements for solving technical tasks identified by management. Develop schedules, monitor progress, monitor expenditures of budget and review quality of work performed. Communicate results and objectives verbally and in manuscripts form to customers colleagues and management. Occasionally prepare reports for external publication. Enhance expertise in field through leadership in local technical societies. Demonstrate creative ability through medium of patent disclosures, problem solving, engineering reports, technical papers and articles. Demonstrate commitment to TQ concepts by active participation and successful implementation of Division and Department TQ Initiatives.

Basic Qualifications (Quantifiable; e.g. Three Years Experience, Bachelors Degree) PhD degree in applicable science or engineering discipline and 5-10 years experience; MS with 8-12 years experience; BS with 10-15 years experience or more. Understands and applies discipline's advanced theories, concepts and art; advanced knowledge of related disciplines. Peer recognition as an expert.

Preferred Qualifications (e.g. Masters Degree)

A radiochemist, analytical chemist or health physicist with experience in an environmental and/or radiobioassay (DOELAP accredited) laboratory experience is preferred.
 Experience and/or knowledge of radiochemical sample preparation methods, including rapid sample preparation techniques such as sample digestion, sample pre-concentration & sample purification for radiobioassay & environmental samples (ex. water, soils, foodstuffs, vegetation, & air filters).
 Experience and/or knowledge of modern radiochemical extraction chromatographic separation techniques.
 Experience and/or knowledge of radioanalytical instrumentation and radioactivity detectors, including those used in alpha spectrometry, liquid scintillation counting, gas flow proportional counting & gamma spectrometry.
 Experience and/or knowledge of actinide chemistry & the ability to research & implement radiochemistry method improvements & the ability to troubleshoot current analytical methods when problems occur. Experience with laboratory methods (wet chemistry) & instrumentation, both radiological & inorganic.

Preferred Majors are: Chemical Engineer, Nuclear Engineer, Chemistry, Physics, or Biology

Clearance Required to Perform Job?

None

Competency #1

Deliver Results

Competency Description #1

Understand job responsibilities and be accountable for results.
 Meet goals and strive for customer satisfaction and corporate success.
 Make sound workplace and business decisions.
 Keep commitments and promises.
 Plan work in a responsible manner, balancing company goals vs. schedule, budget, safety and resources.
 Elevate issues early to avoid surprises.

Competency #2

Shape the Future

Competency Description #2

Adapt and perform consistently under changing requirements and dynamic work situations.
 Take initiative to offer or try a new approach to make the team and the company more successful.
 Foster business success by offering and supporting different perspectives.
 Continuously improve in job performance.
 Take on stretch or rotational assignments to support company initiatives and achieve self development.

Competency #3

Build Relationships

Competency Description #3

Build and maintain good working relationships with everyone.
 Maintain a customer-focused attitude and strive to satisfy the customer.
 Communicate in a clear, respectful manner with everyone. Publicly recognize others for a job well done.
 Provide open and timely feedback regarding meeting and delivering commitments.

Competency #4

Energize & Recognize Team

Competency Description #4

Work with team members to ensure team, department, and divisional goals are met.
 Communicate in a clear, respectful manner with team and management.
 Collaborate and share with other team members to promote knowledge transfer.
 Mentor, guide, and provide assistance to newer employees.
 Promote teamwork and support other members of the organization.
 Ask for help and support when needed.
 Recognize colleagues for their achievements.

Competency #5

Model Excellence

Competency Description #5

Behave in a professional manner demonstrating integrity, ethics, and a high standard of values.
 Deliver your work with pride and ownership. Respect others' knowledge, skills, and experiences. Seek to appropriately identify and resolve challenges. Work to make the organization, company, and mission more successful. Apply Continuous Improvement processes to work scopes to improve efficiency and reduce unnecessary costs. Strive to exceed expectations in task completion. Embrace the company's culture of service, excellence, and stewardship. Take personal responsibility to care for equipment and resources. Adhere to conduct of operations principles.

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