

****Principals only. No recruiters please. ****

Battery Scientist I

Ion Storage Systems is seeking a team-oriented, enthusiastic scientist to develop our next-generation lithium metal batteries. As part of an interdisciplinary R&D team, the Battery Scientist will conduct experiments to improve understanding of the technology through characterization of component materials, assembly and testing of batteries, electrochemical experiments, and data analysis. The ideal candidate is a detailed-oriented, curious scientist with experience working in a research laboratory.

Responsibilities and Duties:

- Perform research on batteries and the component materials through materials characterization, electrochemical experiments, and destructive physical analysis
- Fabricate lithium metal batteries and conduct testing with a focus on rigor, repeatability, and statistical analyses in an industrial setting
- Effectively communicate experimental design, results, and uncertainties in written documents and meetings
- Look for opportunities to improve R&D processes for better reproducibility, yield, and safety
- Maintain lab cleanliness and promote environmental health and safety in the daily work environment

Required Qualifications:

- B.S. in Chemical Engineering, Chemistry, Materials Science, Physics, or related field
- Prior experience conducting research in a laboratory setting, preferably in chemical/materials research
- Strong understanding of chemical/materials systems and structure/property relationships
- Desire to learn new experimental and analytical techniques
- Ability to communicate clearly and effectively
- Excellent organizational skills

Preferred Qualifications:

- Hands-on experience with glove box usage and maintenance
- Experience in fabrication and testing of electrochemical cells, including voltammetry, galvanostatic charge-discharge, electrochemical impedance spectroscopy, etc.
- Familiarity with battery chemistries such as lithium-ion
- Experience using programming languages for data analysis (e.g., Python, Matlab)
- Experience with materials analytical techniques such as SEM, XRD, Raman, FTIR, UV-Vis, particle size analysis, and XPS
- Experience with computer-aided design software (SolidWorks, Fusion360) and 3D printing

To Apply:

Reply to: jobs@ionstoragesystems.com with the subject "Battery Scientist I"

Equal Opportunity Employer. Benefits Available to Qualified Employees.

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