

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

Battery Scientist II/III

Ion Storage Systems is seeking a self-starting, team-oriented scientist to develop our next-generation lithium metal battery. The ideal candidate will have experience in lithium-ion or next generation cell R&D and leverage a strong foundation in chemistry and materials science to understand experimental results, design new experiments, and develop advanced solutions for our cell technology. The Battery Scientist will work closely with other engineers and scientists as part of a fast-moving, cross-functional R&D team.

Responsibilities and Duties:

- Fabricate cells and conduct cell testing with a focus on rigor, repeatability, and statistical analyses in an industrial setting
- Identify limiting factors in cell performance through electrochemical characterization, materials characterization, and destructive physical analysis
- Design new experiments and identify/implement alternative techniques to understand and optimize cell performance to meet R&D objectives
- Identify and relentlessly pursue opportunities for improvement in cell fabrication procedures and documentation
- Effectively communicate procedures, results, and uncertainties in written documents and in-person meetings
- Maintain lab cleanliness and champion environmental health and safety in the daily work environment

Required Qualifications:

- Ph.D. in Chemical Engineering, Chemistry, Materials Science, Physics, or related field.
- 3+ years of laboratory experience in fabricating and testing electrochemical cells, including techniques such as galvanostatic charge/discharge, cycle life, rate capability, electrochemical impedance spectroscopy, etc.
- Strong understanding of electrochemistry and chemical/materials systems, with the ability to think mechanistically and design new experiments for optimization of the cell technology
- Ability to conduct product-oriented R&D in an industrial setting
- Ability to clearly and effectively communicate
- Excellent organizational skills

Preferred Qualifications:

- Experience in fabrication and testing of solid-state cells
- Experience in materials research/fabrication of lithium ion cells, including cathode materials synthesis, cathode slurry preparation/coating, and cell design/packaging
- Deep knowledge of materials-related analytical techniques, such as XRD, SEM, EDX, Raman, GC-MS, and particle size analysis
- Desire to mentor junior scientists and engineers

Special Working Conditions:

- Occasional travel may be necessary for program reviews, supplier visits, and conferences

To Apply:

Reply to: jobs@ionstoragesystems.com with the subject "Battery Scientist II/III"

Equal Opportunity Employer. Benefits Available to Qualified Employees.

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