

Scientist, Cathode Materials Development

Company Overview:

Pellion Technologies is an early-stage company developing an innovative energy storage solution with the potential to deliver substantially lower cost and higher energy density than current lithium ion systems. Pellion, based in the Boston, MA area, is backed by top-tier venture capital and a recent award from the U.S. Department of Energy to develop next-generation batteries. We are seeking outstanding, driven individuals to join our team and realize Pellion's revolutionary technology.

Position Overview:

Conduct research, development, and qualification of electrode materials. An ideal candidate has an extensive background in the synthesis of inorganic materials by multiple methods, and has evidenced understanding of electrochemistry and electrochemical techniques. A background in the development and testing of lithium ion battery electrode materials is preferred. We are seeking self-motivated, creative, and detail-oriented team players who enjoy working in a fast-paced, start-up atmosphere.

Key Responsibilities:

- Design, implement, and optimize synthetic routes for targeted electrode materials.
- Develop synthetic strategies for optimizing battery electrode materials, e.g., nanostructuring, coating, and doping.
- Characterize physical and chemical properties of solid-state materials (e.g. crystal structure, phase purity, particle morphology).
- Report data and analysis of results to assist the team in cathode evaluation.

Qualifications:

- PhD in **Materials Science or Solid-State Inorganic Chemistry** with 3 – 5 years industrial experience or an MS with 5 – 10 years industrial experience. Postdoctoral experience may be considered in lieu of industrial experience.
- Demonstrated background in the development of battery materials using various synthesis and electrochemical techniques.
- Strong written and oral communications skills.

Pellion Technologies offers competitive compensation and benefits packages, including equity.

Please include this position title in the subject line, and submit your resume and supporting documentation to: jobs@pelliontech.com