

## Scientist, Electrolyte Preparation & 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:**

Establish internal procedures for the preparation and use of high purity battery electrolyte formulations, and assist in directing our R&D efforts towards new electrolyte solutions. The ideal candidate is experienced in the synthesis of group II organometallic compounds, ionic liquids, and/or discovery of novel organometallic compounds. We are seeking self-motivated, creative, and detail-oriented team players who enjoy working in a fast-paced, start-up atmosphere.

### **Key Responsibilities:**

- Design and implement strategies for the synthesis/preparation of high-purity battery electrolyte formulations.
- Design experiments to optimize electrolyte preparation conditions and compositions.
- Purify, degas, and dry salts/solvents employing standard air-free techniques to synthesize and characterize electrolyte solutions.
- Provide quantitative insight to the team regarding electrolyte stability and reactivity.

### **Qualifications:**

- PhD in Synthetic **Organometallic Chemistry, Organic Chemistry, or a related field** 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.
- A demonstrated ability to conduct the air-free preparation and characterization of organic solutions, organometallic solutions, or ionic liquids.
- 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](mailto:jobs@pelliontech.com)