

Battery Materials Scientist - Electrolytes

Location: Newark, DE

Chemours is seeking a Battery Materials Scientist - Electrolytes to join our growing Advanced Performance Materials team! This position will report directly to the Global Battery Technology Manager at our Newark, DE location.

This position will focus primarily on the development of electrolyte materials for existing and next generation of lithium-ion batteries.

The responsibilities of the position include, but are not limited to, the following:

- Research and design novel electrolyte materials including solvents, additives and salts
- Work closely with marketing and sales team to identify unmet needs and propose development of new products or assessment of existing products
- Be the lead technical resource to advise teams as well as leadership on industrial activities within the electrolyte space
- Synthesize and/or develop electrolyte formulations to improve performance of current LiB as well as probe requirements for high voltage, high energy lithium-ion chemistries
- Engage with the battery technology team to fundamentally understand the interface between electrolyte and next generation electrode technologies including new active materials and binders
- Actively contribute to monitoring and generation of intellectual property
- Collaborate with national laboratories, universities and industry partners to align on and reach key milestones and deliverables with efficient resource allocations
- Collaborate with global laboratories to support customer engagement, product qualifications

The following is *required* for this role:

- Ph.D. or equivalent degree in organic chemistry, polymer chemistry
- Advanced expertise in electrochemical characterization methods such as CV, EIS, battery testing
- Deep understanding of interfacial chemistry and its effects on lithium-ion cell performance

- Equally comfortable in synthesis and characterization of small molecules as well as polymers necessary for development of novel electrolyte materials
- Experience in liquid, polymer, ionic, solid-state electrolytes

The following is *preferred* for this role:

- 3+ years industrial or non-academic experience in lithium-ion batteries
- Experience in post-mortem analysis techniques
- Working knowledge of organofluorine chemistry is a plus
- Experience leading technology projects, presenting results and resourcing laboratories.

Benefits:

- Competitive Compensation
- Comprehensive Benefits Packages
- 401(k) Match
- Employee Stock Purchase Program
- Tuition Reimbursement
- Commuter Benefits
- Learning and Development Opportunities
- Strong Inclusion and Diversity Initiatives
- Company-paid Volunteer Days