

Jolt Energy Technologies  
242 Howard Ave.  
Holland, MI 49424  
616.395.8954



## **Jolt Energy Storage Technologies**

*Research Chemist*

### **Qualifications/Position Requirements**

- Master's degree in Organic Chemistry, Materials Science or Chemical Engineering related fields with demonstrated experience in organic synthesis.
- Exceptional BSc candidates with at least three years of industrial experience will also be considered.
- Must be authorized to work in the US.
- Laboratory experience in synthetic organic chemistry and/or electrochemical techniques is required.
- Experience with UPLC, MS, NMR, XRF, UV-VIS voltammetry, and other analytical techniques is highly desirable.
- Knowledge of organic redox flow battery systems is a plus.
- Excellent written and oral communication skills and demonstrated ability to manage multiple projects and work as part of a cross-disciplinary, collaborative team.
- Excellent problem-solving skills.
- Ability to remain highly organized in a fast-paced environment, identifying lab needs, tracking project timelines.

### **Position Description**

Jolt Energy Storage Technologies is a startup focused on the development of nonaqueous redox flow batteries for grid-level applications. We aim to revolutionize stationary energy storage by providing an inexpensive, reliable, and environmentally friendly means of energy storage that will foster and support the adoption of renewable energy sources on the grid.

We are seeking a talented and enthusiastic person to join our team as a Research Chemist. The primary role of this person will be to synthesize redox-active materials, evaluate electrochemical performance, collaborate with the team achieve performance targets, as well as track and communicate the status of deliverables. The role is a salaried position with an expectation of 40 hours/week onsite at our Holland, MI research facility.

### **Responsibilities**

- Coordinate with other lab chemists to design and execute projects.
- Synthesize and evaluate redox-active materials according to developed procedures.
- Modify synthetic procedures to improve product yield, purity, and scalability of production.
- Characterize materials by means of electrospray ionization mass spectroscopy (EIS) and Ultra Performance Liquid Chromatography (UPLC); UV-VIS spectroscopy, NMR, MS, XRF, etc.
- Prepare sensitive electrolyte solutions for electrochemical testing and evaluation.
- Assemble electrochemical cells (e.g., H-Cells, redox flow battery stacks, coin cells) and evaluate performance by various electrochemical techniques (e.g., bulk electrolysis, charge-discharge cycling, electrochemical impedance spectroscopy, etc.).
- Track project progress and deliverables. Deliver daily and weekly updates demonstrating clear and concise written and verbal communication, strong organization skills, and attention to detail.
- Demonstrate a strong safety mindset and comply with safety standards and procedures.

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- Be flexible to support the changing needs of a small organization as we grow.

### **Benefits**

- Health care coverage
- Dental coverage
- Vision coverage

### **Compensation**

- Salaried position with onsite lab expectations: Salary will be dependent on candidate's experience and capabilities.
- 3 weeks' Vacation + Holidays

### **Equal Employment Opportunity Statement**

As an equal employment opportunity employer, Jolt is committed to a diverse and inclusive workplace that fosters collaborative scientific discovery and innovation. In support of this commitment, we encourage applications from minorities, women, veterans, individuals with disabilities, and other underrepresented groups. Jolt fully considers all qualified applicants for employment without regard to age, ethnicity, disability, gender, gender identity, race, religion, sexual orientation, or any other characteristic protected by law.

*This position complies with all applicable legal requirements in Michigan.*

### **Application Process**

Please send a cover letter and resume to Dr. Tom Guarr (CTO) at [tom.guarr@jolt-energy.com](mailto:tom.guarr@jolt-energy.com).