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

**Jolt Energy Storage Technologies**
*Research Chemist/Senior Research Chemist*

**Qualifications/Position Requirements**

• MSc or PhD with at least three years of post-academic experience in Chemistry, Materials Science, Electrochemistry, or Chemical Engineering with demonstrated experience in organic synthesis (preferably with redox-active heterocyclic systems). • Must be authorized to work in the US. • Laboratory experience in polymer chemistry and electrochemistry is highly desirable. • Experience with UPLC, MS, NMR, XRF, voltammetry, GPC, DCS, TGA, FTIR, UV-Vis 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 or Senior Research Chemist (dependent on qualifications). The primary role of this person will be to develop access towards redox-active oligomeric and polymeric materials, evaluate and enhance the performance of semi-permeable separator membranes, and collaborate with the team to define research strategies to achieve performance targets. An important secondary role will be to provide analytical support to the team in the form of UPLC/PDA/MS, GC/MS, NMR, UV-Vis, and electrochemical measurements, and track the status of deliverables. The person in this role will also be expected to provide technical supervision to 1-3 BSc-level research scientists and to work collaboratively with outside collaborators. 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.
- Design, synthesize, and evaluate various redox-active material formulations for applications in organic batteries.
- Assist in the development and synthesis and evaluation of separators and membranes.
- Provide analytical support for material characterization, purity assessment, and failure analysis.
- Prepare and assemble electrochemical cells (e.g., H-Cells, redox flow battery stacks, coin cells) and evaluate performance and stability of various materials and formulations.

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- Track project progress and deliverables. Deliver daily and weekly updates demonstrating clear and concise written/verbal communication, strong organization skills, and attention to detail.
- Demonstrate a strong safety mindset and comply with safety standards and procedures.
- Provide technical supervision for several BSc-level chemists.
- 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.
- 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.