



## **R&D – Synthetic Organic Chemistry Researcher, MSc**

In this position, you will join our R&D team, and will be responsible for designing and synthesizing novel materials for ultra-fast charging battery. As an experienced, skilled and creative organic chemistry researcher, you will develop and analyze these materials, and evaluate their electrochemical performance.

### Essential Duties and Responsibilities:

- Design novel molecules, synthetic routes and perform multi-steps organic syntheses including inert atmosphere reactions
- Initiate innovative and creative synthetic projects
- Implement your working experience in a glove-box
- Characterize molecules using NMR, HPLC, GC-MS
- Document experiments and analysis of the results
- Search literature
- Work in cross-functional, self-organized multidisciplinary teams
- Contribute, present and implement new ideas

To perform the job successfully, an individual should demonstrate the following competencies:

- PhD in organic chemistry
- Solid knowledge in fundamental and modern synthetic chemistry and purification techniques
- Experience with the integration of small molecules in advanced materials/polymers/formulations
- Knowledge in polymer synthesis and polymer functionalization to introduce new chemical functional groups, and to modify its physical/mechanical characteristics – an advantage
- Knowledge in electrochemistry/batteries/molecular modeling & calculation – an advantage
- Familiarity in the field of electrochemistry and batteries
- Ability to work effectively, independently and in a team
- Self-taught, self-motivated and collaborative with excellent time management skills
- Ability to advance multiple projects in a fast-paced multidisciplinary environment
- Out of the box, innovative and creative thinking

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