



E-One Moli Energy (Canada) Limited is a well-equipped lithium-ion battery R&D facility located in Maple Ridge, B.C. with 85+ employees. We are proud of our 40+ years in the Vancouver area and strive to be a world leader in materials research and battery development along with working closely with our colleagues at the manufacturing headquarters in Taiwan.

Under the tradename MOLICEL®, our batteries are powering a wide variety of applications throughout the world – electric vehicles, power tools, medical equipment, energy storage systems – just to name a few. Our technically minded employees are a fantastic group who really love to research and develop great batteries!

Our teams are growing and we're looking for leaders with solid industry experience in lithium-ion battery technology to join our Materials Development team. **We have two open Research Scientist roles.** Candidates will have advanced knowledge in their area of expertise of Separator and/or Binder research. The labs are well stocked with instruments and equipment, i.e. FIB-SEM; CT scanner; custom mechanical properties analyzer, to name a few. The Research Scientists play a key role in advancing lithium-ion battery research and lead the planning and execution of experiments of current and future cell designs.

RESEARCH SCIENTIST – SEPARATOR RESEARCH SCIENTIST – BINDER

KEY RESPONSIBILITIES:

- Take a lead role in R&D materials using your expertise in Separator and/or Binder research and evaluations.
- The Binder role - evaluate binder options for physical, chemical and electrochemical properties from slurries through to use in commercial cylindrical cells.
- The Separator role – evaluate the properties of separators that lead to cell designs with improved long term performance.
- Develop improvements to current and future cell designs in collaboration with the Product Development teams
- Identify and promote new concepts and techniques that can be applied to commercially viable Li-ion cell designs.
- Leading the planning and executing of experiments
- Develop viable solutions to specific problems to improve existing designs
- Provide support and guidance to manufacturing in Taiwan by resolving problems as they arise
- Scientists are required to keep abreast of new developments in battery technology and make recommendations to management
- Opportunity for periodic travel to Taiwan for research collaborations.

QUALIFICATIONS:

- MSc or PhD in Chemistry, Physics or a relevant Engineering field with a strong understanding of current and upcoming lithium-ion battery separator materials or binder formulations.
- A minimum of 3 years' experience in a Li-ion manufacturing environment and/or industry experience in Li-ion battery materials or Li-ion battery end users is preferred.
- A creative thinker who will contribute new and interesting techniques to advance company research
- Skilled in data presentation, communication, problem solving, critical thinking. Ability to communicate project needs, challenges, decisions, and proposed solutions
- Strong interpersonal skills and the ability to work with and direct people with varying backgrounds and levels of expertise.
- Advanced knowledge and technical abilities on a variety of lab instruments and equipment.
- Thrive in a rapidly changing work environment.
- Committed to product excellence and continuous improvement.

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What's in it for you?

In addition to our inclusive working environment, regular social gatherings and casual attire, our employees enjoy the Moli Perks – excellent company-paid benefits package, pension plan with employer contributions and 3 weeks' annual vacation to start. Is professional development a priority for your future growth? Moli is a strong advocate for employee growth by providing training courses and other professional development and learning opportunities.

E-One Moli Energy (Canada) Limited values diversity in the workplace and is committed to employment equity. To apply for this position, send your **resume and cover letter** to the attention of Human Resources at careers@molienergy.com.