



[E-One Moli Energy \(Canada\) Limited](#) is a leading edge lithium-ion battery research and development facility located in Maple Ridge, B.C. We are proud of our roots that first began in a Physics lab at UBC in 1977 and have evolved into a world leader in materials research and battery development under the tradename MOLICEL®. Our technically minded employees are a fantastic group who really love to research and develop great batteries!

We have a permanent full-time opening for a **RESEARCH MICROSCOPIST** in our Maple Ridge facility. This is a new position and we're looking for a candidate that is ready to step in to make an immediate contribution. If you understand SEM's and CT's and how to get the most out of them – this position may be for you.

DUTIES & RESPONSIBILITIES:

- Assist in setting up and commissioning the new pieces of equipment.
- Be the primary user and become the subject matter expert for the instruments.
- Assist the Scientists in their imaging and analysis of samples, including;
 - Taking high-res images of powders, coatings, films, defects, etc.
 - Cross-section and volume reconstruction of electrodes, separator, battery components using FIB-SEM.
 - Compositional analysis using EDS.
 - Full cell scanning using CT to look at manufacturing defects or changes in internal structure using CT.
- Learn the Avizo software package to better visualize images.

General Duties

- Organize and schedule the safe and efficient operation of the instruments.
- Ensure good working order of the instruments, including regular maintenance.
- Communicate with distributor for instrument troubleshooting.
- Maintain general cleanliness and safety of the lab space dedicated to these instruments.
- Communicate and report on instrument performance and status to the R&D team.
- Perform instrument and lab equipment training with R&D personnel.
- Attend training and educational seminars to expand understanding of equipment capabilities.
- Write and update standard operating procedures for laboratory equipment and methods.

QUALIFICATIONS:

- BSc. in Chemistry or Physics with 2+ years of experience operating an SEM instrument; or MSc. in Instrumentation with heavy use of an SEM instrument.
- A background in CT operation and understanding of lithium-ion batteries is an asset.
- Proven experience in using and maintaining lab instruments.
- Excellent troubleshooting skills with proven ability to identify, evaluate and solve problems.
- Demonstrated proficiency with MS Office.
- A self-starter with strong organizational, interpersonal and communication skills, both oral and written.
- Flexibility and the ability to adapt to rapidly changing work priorities.
- Some mechanical proficiency/manual dexterity will be required.

What's in it for you?

All our employees enjoy Moli perks – a great working environment, flexible start times, regular social functions, excellent company-paid benefit package, 3 weeks' vacation (to start), employer matching pension and RRSP plan, and professional development 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.