



About the role

This position is ideal for motivated individuals who seek to grow in their technical skills. The responsibilities include supporting the product team to fabricate and characterize nanoparticles, prepare specification sheets, and carefully follow standard operating procedures for the development of new nanomaterials, composites, and large-scale production of nanoparticles. We are passionate about what we do and are looking for smart, energetic, and self-motivated individuals who take pride in their work to join our innovative team in this transformational industry. We believe that a strong material chemistry background will be very helpful to be successful in the role. Prior knowledge and hands-on experience working with nanomaterials are an asset.

Why work for Applied Quantum Materials?

We care about our people. Your health is important, if you need time to get better, we provide Sick Days! We believe in a flexible schedule, at AQM we want you to feel comfortable structuring your days in a way that works for you. Home or Office - We want to foster collaboration, creativity, innovation, and AQM culture. Therefore, making an absolute policy one way or the other does not fit our diverse workforce. We appreciate your hard work. Don't be surprised to see a few ad-hoc days off throughout the year in addition to your regular vacation to give you time back to yourself and your family. We encourage team socials and coffee chats with colleagues to step away from the day-to-day and have some laughs. We provide training opportunities for career development. We have a strong connection with the University of Alberta and the Nanofab to learn career skills. We believe in diversity and inclusion. Our Open-Door policy makes all employee inclusive partners and help prevent and remove systemic barriers.

What we offer

Company benefits starting on your first day, Generous vacation package, Paid shutdown period in December, and according to our CEO... "An awesome team!"

Your Day-to-Day Responsibilities

- Experience with good laboratory practices (including safety protocols) and benchtop preparative techniques.
- Basic experience with the synthesis of inorganic nanostructures (e.g., nanoparticles, quantum dots).
- Experience performing reactions under an inert atmosphere (Schlenk line and glove box) and manipulating air- and moisture-sensitive, flammable, corrosive, and/or toxic chemicals.
- Experience with physical, inorganic chemistry laboratory procedures, techniques, and equipment.
- Experience with molecular and materials science analytical techniques (FTIR, UV-Vis, Fluorescence)
- Experience with general material characterization techniques and data interpretation is essential.
- Experience with various microscopy methods would be considered an asset.
- Excellent demonstrated communication (both verbal and written), interpersonal, strong planning, outstanding problem-solving skills, organizing recorded data, and follow standard operating procedures.
- Demonstrated ability organize, record data, and write and follow standard operating procedures.

Who we are

Applied Quantum Materials Inc. is the world's pioneer in the synthesis of an electronic grade of silsesquioxane-based resin that can be used in negative photo- and electron-beam resist for nanolithography device fabrication. We are based in Edmonton, Alberta, Canada and are currently seeking a knowledgeable and motivated person capable of working effectively in a multi-disciplinary team environment. With your commitment and the drive, you bring to the workplace every day, you will be part of a team that is changing the world with the creation, development, and integration of new advanced nanomaterials.

