

**RESEARCH ASSOCIATE – SCIENTIST, MATERIALS ELECTRON MICROSCOPY
STEWART BLUSSON QUANTUM MATTER INSTITUTE
UNIVERSITY OF BRITISH COLUMBIA**

The Stewart Blusson Quantum Matter Institute at UBC is seeking a candidate for PhD-level Scientific Research utilizing state of the art Transmission Electron Microscopy (TEM), including electron energy loss spectroscopy and a variety of other electron microscopy related techniques for materials characterization. This multi-year position will support the Institute's Principle Investigators, graduate students, and postdoctoral fellows by: designing, setting up, and managing the facilities and infrastructure; assisting in the use of a wide variety of electron microscopy techniques; and initiating independent research activity in Quantum Materials.

The successful candidate will also train and mentor graduate students, technicians and other researchers in the use of TEM and various other microscopy and characterization techniques, organize workshops, prepare and write publications on research results, support SBQMI's grant application process, present at international conferences, and work collaboratively with industry in the technology transfer process.

SBQMI is a world-leading venture into research of systems and phenomena involving quantum materials. We believe in the power of collaboration to fuel the search for creative solutions and, in addition to building a strong interdisciplinary team of experimentalists and theorists from physics, chemistry and applied science, we have established thriving partnerships with TRIUMF, the Canadian Light Source, the Max Planck Society, and many other world-leading institutions.

The successful candidate will thrive in our collegial culture and will bring the following qualifications to the role:

- PhD in Physics focused on TEM and other Electron Microscopy and Spectroscopy Techniques
- Significant years of experience modelling and characterizing quantum materials at the molecular level using analytical techniques such as Transmission Electron Microscopy, Electron Energy Loss Spectroscopy, X-ray and Optical spectroscopy
- Significant experience designing, setting up, and managing a TEM research facility including overseeing purchase and installation of equipment and budgeting
- Experience with sample preparation techniques
- Experience developing experimental, computational and analytical methods for the interpretation of results obtained with electron microscopy techniques.
- Extensive history of publications in top journals
- Experience in instructing and supervising users in electron microscopy
- Extensive experience writing research grant proposals
- Demonstrated interest in, and ability to, work collaboratively with a multi-disciplinary team

To Apply: If you are interested in this exciting opportunity to push the boundaries of knowledge and create world changing devices, send your CV, a statement of research interests, and a covering letter to www.facultycareers.ubc.ca/26164

Compensation and Benefits: The minimum starting salary for UBC Research Associates is \$54,441 per year plus eligible benefits, with the possibility of annual increases and contract extensions. Salary will be commensurate with qualifications and experience. UBC offers a competitive benefits package including extended medical, dental, life insurance, professional development funding and pension.

For more information about SBQMI: www.gmi.ubc.ca

For more information about Vancouver: <http://www.tourismvancouver.com/>

UBC hires on the basis of merit and is strongly committed to equity and diversity within its community. We especially welcome applications from visible minority group members, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to productively engage with diverse communities. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.