

# POSTDOCTORAL FELLOWSHIP OPPORTUNITY

The Stewart Blusson Quantum Matter Institute (QMI) at the University of British Columbia is seeking highly motivated postdoctoral candidates with expertise in the following areas: materials growth, experimentation, devices and applications, computational modelling, or theory to join its multi-disciplinary team of physicists, chemists, and engineers.

Internationally recognized for its research and discoveries in quantum materials, quantum information, and quantum devices, QMI has set its research trajectory on 3 Grand Challenges:

- Disorder and Entropy as Design Principles of New Functional Materials
- Pushing the Boundaries Of NISQ-Era Quantum Computing with Focus on Quantum Materials
- Engineering Exotic Phases in 2-Dimensional Materials

While conducting research in one or more of these core programs, successful candidates will collaborate with such world leading institutions as the Canadian Light Source, TRIUMF, the Max Planck Society, and University of Tokyo; write and publish articles in top-tier journals; train and mentor students and other researchers; and contribute to the translation of promising applications to industry.

Interested applicants can find information about the Grand Challenges at <https://qmi.ubc.ca/grand-challenges> and should contact principal investigators aligned with their interests to discuss potential projects. Candidates must have obtained, or be close to completing, their doctoral degree, and be able to demonstrate a solid scientific background—as evidenced by publication record, letters of recommendation, and research proposal. Evidence of teamwork, strong communication skills, and ability to supervise students will also be considered.

**To apply**, please provide:

- Brief cover letter, including the QMI researcher(s) with whom you have discussed projects;
- Names of those who will provide recommendations;
- Curriculum Vitae, including full publication list;
- 1 - 2 page research proposal;
- 3 letters of recommendation (to be sent directly by your referees).

**Candidates:** submit your application at [www.facultycareers.ubc.ca/38345](http://www.facultycareers.ubc.ca/38345)

**Referees:** please email letters of recommendation to [jobs@qmi.ubc.ca](mailto:jobs@qmi.ubc.ca)

**Application deadline:** All materials (including reference letters) must be received by October 30, 2020 to ensure full consideration. Interviews with applicants who best meet our criteria will be held via Zoom soon after.

We thank all applicants for their interest.

*Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.*