

## Assistant Professor – Physics and Chemistry of Quantum Materials

The Department of Physics and the Department of Chemistry in the Faculty of Arts & Science at the University of Toronto invite applications for a full-time tenure stream position in the area of Physics and Chemistry of Quantum Materials. This will be a joint appointment between the Department of Physics (51%) and the Department of Chemistry (49%) at the rank of Assistant Professor, with an expected start date of July 1, 2021, or shortly thereafter.

Applicants must have earned a PhD degree in Physics, Chemistry, or a related field by the time of appointment, or shortly thereafter, with a demonstrated record of excellence in research and teaching in the Physics and Chemistry of Quantum Materials. We seek candidates whose research and teaching interests complement the existing strengths of both departments (see <https://www.physics.utoronto.ca/research> and <https://www.chemistry.utoronto.ca/research>). The successful candidate will be an experimentalist working at the interface between condensed matter physics and physical chemistry. Applicant expertise and research interests may include, but are not limited to, the design and creation of new quantum materials, characterization of material properties, and the discovery of desired quantum states applicable for quantum science and technology.

The successful candidate will be expected to pursue independent and innovative research at the highest international level and to establish an outstanding, internationally competitive, and externally funded research program; to have a strong commitment to undergraduate and graduate teaching; and to contribute to the enrichment of undergraduate and graduate programs in both departments. Candidates are also expected to show evidence of a commitment to equity, diversity, inclusion, and the promotion of a respectful and collegial learning and working environment demonstrated through the application materials.

Candidates must provide evidence of research excellence, indicative of a developing research program that is at the highest international level, as demonstrated by publications in top-ranked and field-relevant academic journals or forthcoming publications meeting high international standards, a forward-looking research statement, presentations at significant conferences, awards and accolades, and strong letters of endorsement from referees of high standing.

Evidence of excellence in teaching will be demonstrated through teaching accomplishments as described in the teaching dossier, including a statement of teaching philosophy, sample course materials, and teaching evaluations or evidence of superior performance in teaching-related activities submitted with the application, and strong letters of reference. Other teaching-related activities may include experience as a teaching assistant, experience in curriculum development, sample syllabi, teaching evaluations, participation in delivering successful workshops or seminars, student mentorship, or publications and/or presentations related to pedagogical innovation.

Salary will be commensurate with qualifications and experience.

The successful candidate will complement, and have the opportunity to collaborate with, the vibrant research groups in the Department of Physics (<https://www.physics.utoronto.ca/>) and the Department of Chemistry (<https://www.chemistry.utoronto.ca/>), and with the University of Toronto's growing group of researchers working in Quantum Science and Technology. We encourage applicants to review both academic units' research and teaching activities prior to applying.

All qualified candidates are invited to apply by clicking on the link below:

<https://jobs.utoronto.ca/job/Toronto-Assistant-Professor-Physics-and-Chemistry-of-Quantum-Materials-ON/543095917/>.

Applicants must submit a cover letter; a current curriculum vitae; a research statement outlining current and future research interests; two recent research publications or forthcoming publications; and a teaching dossier to include a teaching statement that describes teaching philosophy and teaching experience, sample course materials, and teaching evaluations or evidence of excellent performance in relevant teaching-related activities as listed above. Equity and diversity are essential to academic excellence. We seek candidates who value diversity and whose research, teaching and service bear out our commitment to equity. Candidates are therefore also asked to submit a 1-2 page statement of contributions to equity and diversity, which might cover topics such as (but not limited to): research or teaching that incorporates a focus on underrepresented communities, the development of inclusive pedagogies, or the mentoring of students from underrepresented groups.

Applicants must also arrange to have three letters of reference **sent directly by the referee via email** (on letterhead, dated, and signed) to the Department of Physics Chair, Kimberly Strong, at [jobs@physics.utoronto.ca](mailto:jobs@physics.utoronto.ca), by the closing date. PLEASE NOTE: This search is not using the University's automatic solicitation and collection functionality for reference letters.

Submission guidelines can be found at <http://uoft.me/how-to-apply>. If you have questions about this position, please contact Mr. Chris McGugan at [chairsec@physics.utoronto.ca](mailto:chairsec@physics.utoronto.ca).

All application materials, including reference letters, must be received by the **closing date of January 6, 2021**.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

### **Diversity Statement**

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

### **Accessibility Statement**

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission.

The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities.

If you require any accommodations at any point during the application and hiring process, please contact [uoft.careers@utoronto.ca](mailto:uoft.careers@utoronto.ca).