



Canada Research Chair (Tier II), Quantum Chemistry on Quantum Computers, Faculty of Science

The **Faculty of Science** at the **University of Calgary** invites applications for a full-time **Canada Research Chair (CRC) Tier II** position in **Quantum Chemistry on Quantum Computers**. The successful candidate will be appointed as an **Assistant Professor (Tenure-track) or Associate Professor (with Tenure)**, and nominated for a CRC Tier II position, in the Department of Chemistry. This position has an anticipated start date of July 1, 2022 or later.

The successful candidate can join the Faculty of Science's [Institute for Quantum Science and Technology](#), which comprises 17 faculty members and their research groups, and the Institute is a member of the Quantum Alberta consortium, which is a community of quantum scientists, technologists and engineers working in the Province of Alberta.

Tier II candidates: must hold a Ph.D. in chemistry, physics, computer science or related area; be an excellent emerging researcher in using quantum computing for quantum chemistry; have a background in quantum chemistry with an interest in quantum computing or who has background in quantum computing but with an interest in chemistry applications; a proven record of research excellence commensurate with the applicant's stage of career development and a demonstrated record or potential to establish an outstanding, externally funded research program are required. Interdisciplinarity is an asset and industrial partnerships are also encouraged.

Appointment at the **Assistant Professor** rank requires a strong publication record demonstrating excellence in quantum computing for quantum chemistry. Prior success in obtaining peer-reviewed funding is an asset. Candidates should also demonstrate a strong commitment to teaching and learning and the use of contemporary approaches to teaching.

Appointment at the **Associate Professor** rank requires a strong record of publications in high-quality journals associated with quantum computing or quantum chemistry, as well as evidence of securing ongoing external research funding. They must also have demonstrated effectiveness in teaching at the University level that utilizes contemporary approaches to teaching, and evidence of graduate student supervision.

Tier II Chairs are intended for exceptional emerging scholars (i.e., candidates must have been an active researcher in their field for fewer than 10 years at the time of nomination). Candidates who are more than 10 years from having earned their highest degree and who have had career breaks, such as maternity, parental, or extended sick leave, clinical training, etc., may have their eligibility for a Tier II Chair assessed through the program's Tier II justification process. Please contact UCalgary's Office of Research Services for more information: ipd@ucalgary.ca. Further information about the Canada Research Chairs Program can be found on the Government of Canada's CRC [website](#), including eligibility criteria.

The applicant must be able to work effectively with people from diverse communities and cultures at the University of Calgary.

Application deadline is January 21, 2022.

Please apply online via the 'Apply Now' link. A complete application should be submitted in a single pdf, and include the following:

- Cover letter (1-2 pages)
- Current curriculum vitae
- Research Plan (1-3 pages)
- Teaching Philosophy (1-2 pages)
- Statement describing the candidate's contributions, or potential contributions to, Equity, Diversity, and Inclusion (EDI) along with their ability to work with a culturally diverse and international student, staff, and faculty body (up to 1 page)
- Names and contact information of three references

Questions and applications can be addressed to:

Dr Barry Sanders, Director, Institute for Quantum Science and Technology, Chair of the Quantum CRC Search Committee

Email: sandersb@ucalgary.ca

The University of Calgary recognizes that a diverse staff/faculty benefits and enriches the work, learning and research experiences of the entire campus and greater community. We are committed to removing barriers that have been historically encountered by some people in our society. We strive to recruit individuals who will further enhance our diversity and will support their academic and professional success while they are here; in particular, we encourage members of equity-deserving groups (women, Indigenous Peoples, persons with disabilities, members of visible minorities and diverse sexual orientation and gender identities) to apply. All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. To ensure a fair and equitable assessment, we offer accommodation at any stage during the recruitment process to applicants with disabilities. Questions regarding diversity or requests for accommodation can be sent to Human Resources (hrhire@ucalgary.ca).

In support of University of Calgary's promotion of a diverse workforce, the Faculty of Science is committed to showing leadership in diversity, equity and inclusion and nurturing a healthy and respectful workplace environment for all.

The University of Calgary has launched an institution-wide [Indigenous Strategy](#) in line with the foundational goals of [Eyes High](#), committing to creating a rich, vibrant, and culturally competent campus that welcomes and supports Indigenous Peoples, encourages Indigenous community partnerships, is inclusive of Indigenous perspectives in all that we do.

The University of Calgary recognizes that candidates have varying career paths and that career interruptions can be part of an excellent academic record. Candidates are encouraged but not required to provide any relevant information about their experience and/or career interruptions to allow for a

fair assessment of their application. Selection committees have been instructed to give careful consideration to, and be sensitive to the impact of career interruptions, when assessing the candidate's research productivity.

To learn more about academic opportunities at the University of Calgary and all we have to offer, view our [Academic Careers website](#). For more information about the Faculty of Science visit **Careers in the Faculty of Science**.

About the Faculty of Science

The Faculty of Science has been catalyzing change and inspiring discovery, creativity, and innovation for over 50 years. Our strategic direction integrates current and emerging strengths with areas targeted for future growth and investment. Our strategic priorities, goals, and values guide our mission to advance research, scholarship, and innovation, create authentic learning experiences, and inspire careers of the future. We drive transformational change, and build a strong community through teaching, learning, research, scholarship, and collaborative partnerships. We do this work to generate curiosity-driven discovery and contribute solutions to society's grand challenges. For more information, visit science.ucalgary.ca.

About the University of Calgary

The University of Calgary is Canada's leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude. Located in the nation's most enterprising city, the university is making tremendous progress on its Eyes High journey to be recognized as one of Canada's top five research universities, grounded in innovative learning and teaching and fully integrated with the community it both serves and leads. The University of Calgary inspires and supports discovery, creativity and innovation across all disciplines. For more information, visit ucalgary.ca.

About Calgary, Alberta

Calgary is one of the world's cleanest cities and has been named one of the world's most livable cities for years. Calgary is a city of leaders - in business, community, philanthropy and volunteerism. Calgarians benefit from a growing number of world-class dining and cultural events and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the majestic Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.

Posting Date: October 25, 2021

Closing Date: January 21, 2022