

## Canada Research Chair Tier 1 in Computational Cell Biology

We seek a global research leader in mathematical and computational biology for a CRC Tier 1 position related to the application of advanced computational approaches to the study of cells. We are seeking an expert who develops partial differential equation (PDE) models and corresponding computational approaches to study the biochemical and physical processes underlying eukaryotic cell motility. Areas of particular interest for this search are reaction-diffusion systems on changing domains and evolving surfaces, pattern formation, PDE models coupling bulk and surface concentrations, and models linking surface PDEs with mechanics. The successful candidate will contribute to our community of expertise in computation and mathematical modelling with applications related to materials science, fluid mechanics, tissue modelling, etc.

The successful candidate will be eligible to hold a position as an Associate Professor or Professor (both with tenure) in the Department of Mathematics at the University of British Columbia ([www.math.ubc.ca](http://www.math.ubc.ca)). The anticipated starting date is September 1, 2022, or as soon as possible thereafter.

The successful candidate will be an established researcher with a record of world-class research accomplishments, demonstrated excellence in teaching and supervision at the undergraduate and graduate levels, a strong track record of attracting research funding, extensive prior experience in outreach activities to the broader community including groups that are under-represented in academic mathematics, and a track record in supporting equity, diversity and inclusion. Duties include ongoing leadership in mathematical, computational and biological research, service to the Department and the academic community, student teaching and supervision. Salary will be commensurate with experience and research record.

Applicants must meet the eligibility requirements for a Tier 1 CRC position. Tier 1 CRC nominees must be Professors or Associate Professors who are expected to be promoted to the Professor rank within one or two years of the nomination. The Canada Research Chairs Program supports outstanding researchers in areas that will further UBC's strategic research plan. All Chair nominations are subject to review and final approval by the CRC Secretariat. Please consult the Canada Research Chairs website <https://www.chairs-chaires.gc.ca> for full program information and further details on eligibility criteria.

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.

In accordance with UBC's CRC Equity, Diversity, & Inclusion Action Plan, and pursuant to Section 42 of the BC Human Rights code, the selection will be restricted to members of the following designated groups: women, visible minorities (members of groups that are racially categorized), persons with disabilities, and Indigenous peoples.

Applicants to Canada Research Chair positions are asked to complete this equity survey:

[https://ubc.ca1.qualtrics.com/jfe/form/SV\\_6WJHol7SfPxRMu9](https://ubc.ca1.qualtrics.com/jfe/form/SV_6WJHol7SfPxRMu9)

as part of the application, and candidates from these groups must self-identify as belonging to one or more of the designated equity groups to be considered for the position.

Because the search is limited to those self-identifying as members of designated equity groups, candidates must also provide their name to be considered.

Personal information is collected under the authority of sections 26(a) and 26(c) of the BC Freedom of Information and Protection of Privacy Act. The information you provide will only be used to determine whether you qualify for participation in this hiring process. Data will be collected by the Equity & Inclusion Office and only the names of those who identify as women, visible minorities (member of groups that are racially categorized) and/or Indigenous peoples will be shared with the search committee.

Currently, UBC has a gap in representation for people with disabilities. Until such time as this is remedied, the names of those self-identifying as having a disability will be provided separately to the search committee. Responses will be stored in a secure database. Additionally, accommodations are available on request for all candidates taking part in all aspects of the selection process. To confidentially request accommodations, please contact Kylie Prokopetz at [kylie.prokopetz@ubc.ca](mailto:kylie.prokopetz@ubc.ca).

In assessing applications, UBC recognizes the legitimate impact that leaves (e.g., maternity leave, leave due to illness) can have on a candidate's record of research achievement. These leaves will be taken into careful consideration during the assessment process.

Applicants are requested to supply a current CV including a list of publications, statements describing previous performance in research, teaching and supervision, and a statement identifying strengths and experiences related to equity, diversity and inclusion in their current and previous institutional environments. Names and contact details of at least four references should also be sent.

Applicants should apply on-line as described at

<http://www.mathjobs.org/jobs/UBC/>

The deadline for application materials to be received is February 7, 2022.