

## TIER 2 CANADA RESEARCH CHAIR – INFECTIOUS DISEASE MODELLING AND ESTIMATION

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At the intersection of innovative education, cutting-edge research, and community outreach lies Simon Fraser University, Canada's top-ranked comprehensive university. With three campuses located in beautiful British Columbia's largest municipalities – Vancouver, Burnaby and Surrey - our students, faculty and staff are privileged to live, work, and play on the traditional unceded territories of the xʷməθkʷəy̓əm (Musqueam), Sk̓wx̓wú7mesh Úxwumixw (Squamish), səliłwətaʔɬ (Tsleil-Waututh), ǵícəy̓ (Katzie), kʷikwəłəm (Kwikwetlem), Qayqayt, Kwantlen, Semiahmoo and Tsawwassen Peoples.

Consistently ranked as one of Canada's top employers, SFU is an institution whose strength is based on our shared commitments to diversity, equity and inclusion, and the pursuit of decolonization, indigenization and reconciliation. Diversity is an underlying principle of our Strategic Vision, which pledges SFU to “foster a culture of inclusion and mutual respect, celebrating the diversity reflected among its students, faculty staff and our community.”

### The Opportunity

The Department of Mathematics invites applications for a tenure track or tenured position and NSERC Tier 2 Canada Research Chair (CRC) in Infectious Disease Modelling and Estimation with an **effective earliest start date of July 1, 2021**. This Tier 2 CRC appointment opportunity is intended for exceptional emerging scholars in the mathematics of infectious disease, at the rank of assistant or associate professor (or those who possess the necessary qualifications to be appointed to these levels). Normally, the candidate must have been an active researcher in their field for fewer than 10 years at the time of nomination. Applicants who are more than 10 years from their highest degree (and where career breaks exist, such as maternity, parental, or extended sick leave, clinical training, research delays due to the COVID-19 pandemic, etc.) may have their eligibility for a Tier 2 CRC assessed through the program's Tier 2 justification process; please see the [CRC website for eligibility details](#).

SFU will nominate the hired faculty for a Tier 2 CRC. This position is not contingent upon the applicant receiving a Tier 2 CRC. However, alignment with the CRC nomination criteria will be part of the overall selection process. The position is subject to the availability of funding and to final approval by the University Board of Governors and the Tri-agency Institutional Programs Secretariat (TIPS). The CRC is tenable for five years and is renewable once, which is subject to the Chairholder demonstrating that they have achieved their objectives from their first term. Interested applicants are invited to review the initial appointment and chair renewal details of the [CRC Program](#).

## Qualifications

We seek applicants with a high-quality, high-impact, independent research program evidenced by a publishing record in leading scholarly journals and international conferences, and who is active in applying their knowledge to problems in public health. Applicants should have demonstrated strength in teaching and mentoring.

Candidates must have a PhD (or equivalent) in mathematics, statistics, physics, or in a field related to epidemiological modeling, pathogen research, or public health (with a focus on analytic methods); postdoctoral experience is strongly preferred. Their research expertise must be in infectious disease modelling and estimation. Potential areas of interest are broad, and could include: antimicrobial resistance; respiratory, vector-borne, zoonotic, or chronic infections; behavioural or ecological aspects of infectious disease; impacts of interventions; genomic epidemiology; and/or biomathematical and statistical methods for infectious disease. The position fits in with the “Supporting health across the human lifespan” theme of the 2016-2022 SFU Strategic Research Plan. The successful candidate will join researchers in the MAGPIE Research Group at SFU’s Burnaby Campus.

Candidates must have demonstrated strength in face-to-face or online teaching in mathematics, including at the undergraduate level, and a commitment to create inclusive learning environments for all students. The candidate should have interest and ability in curriculum development.

We seek a colleague with a record of service commensurate with experience, -- who brings a collegial, flexible and communicative approach to contributing to their department, university and scientific community.

## How To Apply

To apply, applicants should provide:

- A cover letter addressing the full scope of the job requirements
- A curriculum vitae (include details of research and teaching, scholarly record, funding, and list of collaborations/partnerships)
- A research statement detailing current and future research plans
- A teaching statement describing teaching experience and philosophy.
- The names of 4 references, with one able to speak to teaching ability

SFU recognizes that alternative career paths and/or career interruptions (e.g. parental leave, leave due to illness, research delays due to COVID-19) can impact research achievements and commits to ensuring that leaves are taken into careful consideration. Candidates are encouraged to highlight in their application how alternative paths and/or interruptions have impacted them. SFU also recognizes the value of mentoring and research training, outreach, professional service, and non-traditional areas of research and/or research outputs; demonstrated experience in increasing diversity in the previous institutional environment, and in curriculum, is also an asset. All applications should be submitted through MathJobs.org at:

<https://www.mathjobs.org/jobs/list/17322> (Position ID: SFUIDME).

SFU is an equity employer and encourages applications from all qualified individuals including women, persons with disabilities, visible minorities, Indigenous Peoples, people of all sexual orientations and gender identities, and others who may contribute to the further diversification of

the university. SFU is committed to ensuring that no individual is denied access to employment opportunities for reasons unrelated to ability or qualifications. Consistent with this principle, SFU will advance the interests of underrepresented members of the workforce, ensure that equal opportunity is afforded to all who seek employment at the University, and treat all employees equitably. Candidates who belong to equity-deserving groups are particularly encouraged to apply.

Simon Fraser University encourages applications from all qualified applicants, however, Canadian citizens and permanent residents will be given priority.

SFU offers several benefits and services aimed at creating a more inclusive and accessible campus community for faculty, please see the [Faculty Relations, Benefits and Service page](#) for more details. SFU is also committed to ensuring that the application and interview process is accessible to all applicants; if you require accommodations or have questions about SFU benefits, services, accommodations policies, or equity considerations please contact the [Specialist, Equity, Diversity and Inclusion in Faculty Relations](#).

The competition will remain open until **March 22, 2021 or until the position is filled**. Any general inquiries regarding this posting may be directed to **Rachel Tong, Chair's Assistant, (she/her), [mcs@sfu.ca](mailto:mcs@sfu.ca)**.

Under the authority of the University Act, personal information that is required by the University for academic appointment competitions will be collected. For further details see the Collection Notice: [http://www.sfu.ca/vpacademic/faculty\\_openings/collection\\_notice.html](http://www.sfu.ca/vpacademic/faculty_openings/collection_notice.html).