

Canada Research Chair (CRC) Tier 2 in Biomedical Data Science and Precision Medicine

Position Details

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| Position Information | |
| Position Title | Canada Research Chair (CRC) Tier 2 in Biomedical Data Science and Precision Medicine |
| Posting Number | F720P |
| Type of position | Tenure Stream |
| Department/Unit | Pathology |
| Location | Halifax, Nova Scotia, Canada |
| About the opportunity | <p>Dalhousie University, Faculties of Medicine and Computer Science Canada Research Chair (CRC) Tier 2 in Biomedical Data Science and Precision Medicine</p> <p>Dalhousie University's Faculty of Medicine (Department of Pathology) and Faculty of Computer Science invite applications for a tenure track Tier 2 Canada Research Chair (CRC) in Biomedical Data Science and Precision Medicine at the level of Assistant or Associate Professor. The successful candidate will join a vibrant and productive community of clinicians, basic and social scientists, and research trainees in computer science and health disciplines with interests in the pathobiology of human health, including diseases (e.g., cancer and rare genetic diseases), infection, healthy aging, vaccines, molecular biology, and immunology and immunotherapies.</p> <p>Applicants with a PhD or equivalent with an exceptional emerging research program in biomedical data science with application in precision medicine will be considered for this CRC position. The ideal candidate will have a strong track record of innovative biology-based or health-related multi-omics [such as genomics, proteomics, and/or metabolomics] research, with experience in the use of techniques in machine learning, statistics, algorithm engineering, bioinformatics, or advanced data visualization. Evidence of effective participation and leadership roles in interdisciplinary research teams, teaching, and trainee supervision will be an asset. The successful candidate will engage in the research leadership and promotion of interdisciplinary scholarship to create new opportunities and drive strategic directions at the intersection of computer science and medicine. The successful candidate will also contribute to complementary areas of research within the University and teach at a reduced course load. Excellent research facilities and a generous start up support package are available.</p> <p>The successful candidate will join Faculties of Medicine (Department of Pathology; 60%) and Computer Science (40%), and be part of a growing community of interdisciplinary researchers interested in multi-OMICs research. Interdisciplinary multi-omics is a recognized area of research strength within the Faculty of Medicine, and is supported by a centralized Cores facilities enabling genomics, proteomics, metabolomics, DNA sequencing, and imaging, with strong collaborative ties with the affiliated hospitals of Nova Scotia Health and the IWK Health Centre in Halifax. The successful candidate will have an opportunity to be part of the Big Data Analytics, AI & Machine Learning research cluster in Computer Science, and the Institute for Big Data Analytics at Dalhousie University, which include researchers with excellence in AI theory and applications including medical imaging, health data analytics, and multi-omics. The successful candidate will also have an opportunity to integrate within established team initiatives, including Atlantic Path, National Canadian Partnership for Tomorrow's Health (CanPATH), the TFRI Marathon of Hope Cancer Centre's Network (Atlantic Cancer Consortium), and Beatrice Hunter Cancer Research Institute.</p> <p>Dalhousie University is located in the friendly, energetic, ocean-side city of Halifax, Nova Scotia. The city and surrounding area host a wide range of cultural activities and opportunities. Excellent schools, sports facilities and outdoor activities are also available locally.</p> <p>Dalhousie recognizes that career paths can be diverse and that career interruptions may occur. Applicants are encouraged to include, in their cover letter, an explanation of the impact that any career interruptions may have had on their record of research achievement.</p> <p>The CRC program was established by the Canadian Federal Government with the purpose of attracting outstanding researchers to the Canadian university system. Tier 2 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). Applicants who are more than 10 years</p> |

from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process. Please contact the Office of Research Services and see the CRC website (www.chairs.gc.ca) for more information on eligibility.

Dalhousie University commits to achieving inclusive excellence through continually championing equity, diversity, inclusion, and accessibility. In keeping with the principles of employment equity and the CRC program's equity targets, **the position is designated to candidates who self-identify as persons with disabilities.**

Note: To be eligible for this position, you must self-identify as a person with a disability(s). For more information, including details related to our Employment Equity Policy and Plan and definitions of equity-deserving groups please visit www.dal.ca/hiringfordiversity.

Dalhousie recognizes that candidates may self-identify in more than one equity-deserving group, and in this spirit, encourages applications from candidates who also identify Indigenous persons (especially Mi'kmaq), persons of Black/African descent (especially African Nova Scotians), and members of other racialized groups, women, and persons identifying as members of 2SLGBTQIA+ communities, and all candidates who would contribute to the diversity of our community. For more information, please visit www.dal.ca/hiringfordiversity.

The application review will begin on September 15, 2025, and will continue until the suitable candidate is identified. A complete application must include: 1) a curriculum vitae, 2) 2-page research statement, 3) 1-page description of trainee supervisory experience and teaching philosophy.

Application materials should be addressed to Dr. Shashi Gujar, Chair of the Search and Selection Committee, and submitted via PeopleAdmin Link: <https://dal.peopleadmin.ca/postings/19303>.

If you require any support for the purpose of accommodation, such as technical aids or alternative arrangements, please let us know of these needs and any way in which we can be of assistance by emailing Michelle Sampson at ml.sampson@dal.ca. Dalhousie University is committed to ensuring all candidates have full, fair, and equitable participation in the hiring process. Our complete Accommodation Policy can be viewed [here](#).

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

Posting Detail Information

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| Open Date | |
| Close Date | 09/15/2025 |
| Open Until Filled | Yes |
| Quick Link for Direct Access to Posting | https://dal.peopleadmin.ca/postings/19303 |

Documents Needed to Apply

Required Documents

- 1. Résumé / Curriculum Vitae (CV)
- 2. Cover Letter
- 3. Teaching Statement
- 4. Research Statement

Optional Documents