



**Tier 2 Canada Research Chair in Biosignal Interaction and Personhood Technology**  
**Assistant Professor, Tenure Track or Associate Professor, Tenure | Department of Occupational Science and Occupational Therapy | School of Biomedical Engineering**

Date Posted: **June 4, 2024**

At UBC, we believe that attracting and sustaining a diverse workforce is key to the successful pursuit of excellence in research, innovation, and learning for all faculty, staff and students. Our commitment to employment equity helps achieve inclusion and fairness, brings rich diversity to UBC as a workplace, and creates the necessary conditions for a rewarding career.

The Department of Occupational Science and Occupational Therapy and the School of Biomedical Engineering at the University of British Columbia (UBC), Vancouver campus, in collaboration with the Djavad Mowafaghian Centre for Brain Health, invite applications for a Canadian Institute of Health Research (CIHR) Tier 2 Canada Research Chair (CRC) in Biosignal Interaction and Personhood Technology, faculty position at the rank of Associate Professor, with tenure. Tier 2 Chairs are five-year positions, renewable once, intended for exceptional emerging scholars who have the potential to lead in their fields. Applicants must hold or be eligible to hold a full-time, tenure-stream appointment at the rank of Assistant or Associate Professor at UBC. Normally, applicants for Tier 2 Chairs should be no more than 10 years from having earned their highest degree at the time of Chair nomination. Applicants who are more than 10 years 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. Nominations are subject to review by the CRC Secretariat, and appointment as a CRC is conditional upon their approval. Please consult the Canada Research Chairs website [www.chairs.gc.ca](http://www.chairs.gc.ca) for full program information, including further details on eligibility.

In accordance with UBC's CRC Equity, Diversity, & Inclusion Action Plan [<https://research.ubc.ca/federal-research-chair-programs/canada-research-chairs/ubcs-commitment-equity-diversity-and>] and pursuant to Section 42 of the BC Human Rights code, the selection will be restricted to members of the following designated groups: people with disabilities, Indigenous people, racialized people, women, and people from minoritized gender identity groups. 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, in order for them to follow preferential hiring strategies. Applicants to CRC 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), 26(c) and 26(e) of the BC Freedom of Information and Protection of Privacy Act. The information you provide will be used to determine whether you qualify for participation in this restricted process, and to advance accessibility, equity, and fair adjudication in this process. Data will be collected by the Equity & Inclusion Office and only the names of those eligible for the search process will be shared confidentially with the search committee, except those self-identifying with a disability whose names will be shared separately and confidentially to follow preferential hiring strategy. All responses will be stored in a secure database.

The UBC Department of Occupational Science and Occupational Therapy ([www.osot.ubc.ca](http://www.osot.ubc.ca)) is home to 22 academic faculty members, 10 administrative and technical support staff members, and over 400 clinical faculty and associate members. The Department offers a Master of Occupational Therapy (MOT) program and, in partnership with the Department of Physical Therapy, delivers the MRSc, MSc, and PhD programs in rehabilitation sciences. The MOT program is fully-distributed and provides the opportunity to study in state-of-the-art labs at UBC campuses in Vancouver, Surrey and at UNBC's campus in Prince George. Research within the Department focuses on advancing occupational science, and the impact of occupational therapy on health and well-being, and teaching/learning effectiveness. The Department has strong collaboration links with several research labs, centres, and institutes. The Department's mission is to create, inspire and uphold a scholarly community that contributes to the health of individuals and communities through research on occupation and education programs for occupational therapy students, health professionals, and scientists. Through the continued support of its academic, clinical, student, and alumni community, the Department strives to realize its vision of "health and participation for all."

The School of Biomedical Engineering is a partnership between the Faculties of Medicine and Applied Science, acting as a nucleus for education and training, research, and innovation in biomedical engineering, creating new knowledge, new academic and training programs, and fostering translation and innovation. The vision of SBME is to transform health care outcomes through unconstrained exploration of the best possible integrative solutions across engineering, medicine, and biology. Through collaborative, innovative, and interdisciplinary approaches and building on UBC academic and research excellence, the School of Biomedical Engineering is emerging as a global leader in biomedical engineering research, education and translation. For more information about the School of Biomedical Engineering, please visit <https://www.bme.ubc.ca/>.

The primary space for the successful applicant will be in the Djavad Mowafaghian Centre for Brain Health (<https://www.centreforbrainhealth.ca/>), a UBC Senate-approved centre supported by the UBC Faculty of Medicine. The centre builds on UBC's impressive legacy of brain research and brings together experts in the fields of neuroscience, neurology, psychiatry and rehabilitation in a hub for training, research and clinical care. The Centre is comprised of a community of more than 100 investigators with multidisciplinary expertise who span many faculties, departments, and locations, both across UBC and at other academic institutions.

Reporting to the Head of the Department of Occupational Science and Occupational Therapy and the Director of the School of Biomedical Engineering, the successful candidate will be expected to lead a research program in developing technologies that improve assessment and communication with persons with severe disabilities. The successful candidate's program will involve stakeholders of the novel technologies in all stages of their research, and will consider the clinical, cultural, social and aesthetic factors in translating these technologies from their lab to the environment of the end-users. The successful candidate will be expected to participate in the teaching activities of the Department and School, as well as provide mentorship and training to undergraduate, graduate, and postgraduate learners. The incumbent will also be expected to provide service to the University and the broader academic and professional community. They will work collaboratively in diverse groups to bring forward strategic initiatives for the School, Department, and the Faculties. The successful candidate will contribute to fostering an environment that promotes inclusivity and embodies values of respect, integrity, compassion, collaboration, and equity. Equity, diversity, inclusion, and justice are essential to academic excellence, as well as to fostering an inclusive community for voices that have been historically underrepresented or discouraged.

The successful candidate will hold a PhD in bioengineering or equivalent, with experience collaborating with rehabilitation researchers and clinicians for interdisciplinary collaborations, and have expertise and research experience in the neuroscience of consciousness and experience in neurophysiological signal processing for the assessment of consciousness in unresponsive patients. A Canadian professional engineering (P.Eng.) license or eligibility to obtain a PEng is required. Experience interfacing with community organizations and in participatory design methodology will be considered an asset. At the rank of Assistant Professor, the successful candidate will have demonstrated evidence of ability in teaching and scholarly activity. At the rank of Associate Professor, the successful candidate will have demonstrated evidence of successful teaching and ability to direct graduate students, evidence of sustained and productive scholarly activity, and must be willing to participate in the affairs of the School and the University. In addition, the successful candidate will demonstrate a willingness to respect diverse perspectives,

including perspectives in conflict with one's own, and a commitment to enhancing one's own awareness, knowledge, and skills related to equity, diversity, and inclusion.

This position is located within a health-care facility. Therefore, this position requires successful verification of full vaccination against Covid-19 provided prior to the start date, as required by the provincial health mandate.

The expected salary range for this position is \$125,000 to 145,000 per annum at the rank of Assistant Professor and \$180,000 to \$200,000 per annum at the rank of Associate Professor. The Faculty of Medicine is committed to offering equitable and competitive salaries, commensurate with the qualifications and experience of the candidate. At UBC, in addition to a generous benefit package and highly valued pension plan, faculty members also have access to a comprehensive range of leaves, services, resources and career development opportunities. For more information, please visit: <https://hr.ubc.ca/working-ubc>.

An application package should include:

1. A cover letter (1 page)
2. The main application, containing the following sections:
  - a. Most significant contributions statement (1 page)
  - b. Research program proposal (5 pages, excluding references)
  - c. Teaching and mentorship statement (1 page)
  - d. Equity, diversity, and inclusion statement of the applicant's current or planned contributions to advancing equity, diversity, and inclusion in academic, professional, or community contexts (1 page)
3. A full curriculum vitae (no page limit)
4. The names of four arm's length references.

Applications should be submitted online at <https://ubc.wd10.myworkdayjobs.com/ubcfacultyjobs> (JR17493). As indicated above, applicants must also 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. Should you have any queries around this position, please contact Tracy Henderson, OSOT Administrative Director [tracy.henderson@ubc.ca](mailto:tracy.henderson@ubc.ca).

The application deadline for this opportunity is July 3, 2024. The successful applicant will be required to prepare a CRC package by August 16, 2024, UBC's internal deadline for the October 2024 CRC deadline. The earliest anticipated start date for this position is April 1, 2025, or upon a later date to be mutually agreed and is contingent on CRC approval.

In assessing applications, UBC recognizes the legitimate impact that leaves (e.g., parental 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.

The University is committed to creating and maintaining an inclusive and equitable work environment for all members of its workforce. An inclusive work environment presumes an environment where differences are appreciated, recognized, and integrated into current structures, planning, and decision-making modes. Within this hiring process we are committed to creating an inclusive and equitable process for all candidates (including but not limited to people with disabilities). Confidential accommodations are available on request. Please contact Carmen de Hoog, [carmen.dehoog@ubc.ca](mailto:carmen.dehoog@ubc.ca). If you have any questions regarding accommodations or accessibility during the recruitment and hiring process or for more information and support, please visit UBC's Centre for Workplace Accessibility website at <https://hr.ubc.ca/health-and-wellbeing/workplace-accessibility/centre-workplace-accessibility> or contact the Centre at [workplace.accessibility@ubc.ca](mailto:workplace.accessibility@ubc.ca).

With gratitude, we acknowledge that the University of British Columbia Faculty of Medicine and its distributed programs, which include four university academic campuses, are located on traditional, ancestral and unceded territories of First Nations Peoples and communities around the province.

**Our Vision: To Transform Health for Everyone.**

Ranked among the world's top medical schools with the fifth-largest MD enrollment in North America, the **UBC Faculty of Medicine** is a leader in both the science and the practice of medicine. Across British Columbia, more than 12,000 faculty and staff are training the next generation of doctors and health care professionals, making remarkable discoveries, and helping to create the pathways to better health for our communities at home and around the world.

The Faculty - comprised of approximately 2,200 administrative support, technical/research and management and professional staff, as well as approximately 650 full-time academic and over 10,000 clinical faculty members - is composed of 19 academic basic science and/or clinical departments, three schools, and 24 research centres and institutes. Together with its University and Health Authority partners, the Faculty delivers innovative programs and conducts research in the areas of health and life sciences. Faculty, staff and trainees are located at university campuses, clinical academic campuses in hospital settings and other regionally based centres across the province.

The Faculty of Applied Science includes all UBC Engineering activities at both the UBC Vancouver and UBC Okanagan, as well as the Schools of Architecture and Landscape Architecture, Community and Regional Planning and Nursing. The Faculty was one of UBC's three founding faculties, admitting some of the University's first students in engineering in 1915. The Faculty includes over 300 full-time faculty members and more than 8,600 students.

The Faculty of Applied Science comprises a unique constellation of disciplines and is committed to creating lasting change by discovering and applying knowledge. Our core purpose is to discover, design, and innovate, provide unwavering top-tier education, and champion a community of responsible professionals devoted to serving a thriving, sustainable and healthy society. Our work and the professional disciplines we represent span the entire human-centred built environment. We represent innovation at all scales from nanoscale electronic devices that power communications to the design of entire cities.

**UBC - One of the World's Leading Universities.** As one of the world's leading universities, the University of British Columbia creates an exceptional learning environment that fosters global citizenship, advances a civil and sustainable society, and supports outstanding research to serve the people of British Columbia, Canada and the world.

*UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply. 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. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority.*

[med.ubc.ca](http://med.ubc.ca) | [osot.ubc.ca](http://osot.ubc.ca) | [bme.ubc.ca](http://bme.ubc.ca) | [centreforbrainhealth.ca](http://centreforbrainhealth.ca) | [apsc.ubc.ca](http://apsc.ubc.ca)