



SEARCH

Tenure-Track Assistant Professor in Computational Neuro-Biology of Human Movement

School of Kinesiology

Open date: January 15, 2022

Submit complete applications by: April 15,
2022

This search will remain open until the
position is filled.



The **School of Kinesiology** within UBC's Faculty of Education, one of the world's leading faculties of its kind, invites applications for the position of **Tenure-Track Assistant Professor in Computational Neuro-Biology of Human Movement.**

The School of Kinesiology, in the Faculty of Education at The University of British Columbia (UBC), invites applications for a full-time tenure-track Assistant Professor position in the area of **Computational Neuro-biology of Human Movement**. The appointment is expected to begin on January 1, 2023 or as negotiated with the successful candidate.

The successful candidate must hold a PhD at the time of application in neuro-biology, neuroscience, or a closely related discipline, and demonstrate excellence or the potential for excellence in teaching, research, and scholarship. Post-doctoral training would be an asset. The successful candidate is expected to engage in basic research that supports the areas of neuromechanical, physiological and systems biology and must have advanced knowledge, research experience and a demonstrated history of publications using computational approaches for modeling neurophysiological processes and statistical signal processing of electrophysiological and/or neurobiological imaging data.

The successful candidate must have a record of research dissemination in terms of peer-reviewed articles in recognized academic journals in the field and evidence of presentations at national and international scholarly conferences. Demonstrated ability to participate in scholarly activity, to establish an original program of research supported by external competitive funding (e.g., tri-agency and partnership grants) is required. This individual will have demonstrated ability to develop and effectively teach courses at introductory and advanced levels in areas of electrophysiological and brain imaging, biosensors and technology, computational approaches in Kinesiology, neurobiological signal processing, and modeling neuro biological systems of human movement.

The successful candidate will be expected to develop and teach three courses including "Introduction to computational approaches in kinesiology - "biosensors & technology", as well as advanced upper-level courses in areas of "Neuro-biological signal processing", and "Modeling neuro-biological systems of human movement", to be offered to senior undergraduate and graduate students.

They are also expected to contribute to the growth of the School through supervision of graduate students, participation in service activities within the School, Faculty, University and in the broader scholarly community. The incumbent will be encouraged to collaborate across the diverse research areas in the School and, more broadly, the University. This position will complement the School of Kinesiology's strategic plans for interdisciplinary research excellence within the School and across faculties at UBC and play a role in generating and disseminating knowledge on the role of physical activity and health in diverse populations.

The University of British Columbia (UBC) is located on the unceded, ancestral and traditional territories of the x^wmə0k^wəy'əm (Musqueam) people in beautiful Vancouver, Canada. The University is a global centre for teaching, learning and research, consistently ranked among the top 20 public universities in the world and recently recognized as North America's most international university. The UBC Faculty of Education is one of the leading faculties of its kind in the world, advancing educational research and understanding of teaching and learning in a way that affirms diversity, equity and innovation, and takes part in international collaboration in an increasingly borderless globe.

The School of Kinesiology currently has 27 full-time tenure stream faculty members, 1400 full-time undergraduate students, and 190 graduate students. The School offers a Bachelor of Kinesiology degree with specializations in Neuromechanical and Physiological Sciences, Social and Behavioural Sciences, and Multi-disciplinary Science. The graduate program includes M.A., M.Sc., Master of Kinesiology (Clinical Kinesiology and Performance and Coaching Sciences), Master of High Performance Coaching & Technical Leadership, and Ph.D. degrees. The School of Kinesiology is ranked 1st in North America and 4th in the world for sports-related research and teaching in the QS World University Rankings for 2021. For further details about the School of Kinesiology and its research and teaching, please visit the School's website at <http://kin.educ.ubc.ca>.

The School of Kinesiology, Faculty of Education, and UBC are dedicated to the goal of building a diverse and inclusive academic community. Values of equity, diversity, inclusion, decolonization, anti-racism, and anti-oppression are an important part of our mission. We strongly encourage applications from candidates who can demonstrate through their teaching, research experience and service that they can contribute to this goal. Familiarity with, and experience using pedagogical methods and designing research that enable students of differently-able bodies and across Indigenous, racial, ethnic, sexual and gender identity and socio-economic groups to reach their maximum potential will be considered an asset. Candidates should have a strong commitment to fostering inclusivity and teaching in a welcoming environment.

This is a tenure-track position in the Professoriate Stream. The successful candidate will be reviewed for reappointment, tenure and promotion in subsequent years, in accordance with the Collective Agreement. For information on the review process and criteria for appointment, reappointment and promotion, please visit, <https://hr.ubc.ca/working-ubc/faculty-titles-ranks-and-descriptions>.

The position is subject to final budgetary approval. Starting salary is determined both by the candidate's qualifications and experience and by their placement on the career progress scale within the UBC Faculty of Education.

Interested applicants are asked to send:

- (i) a cover letter (please indicate if you are currently legally entitled to work in Canada),
- (ii) curriculum vitae,
- (iii) a five-year research plan,
- (iv) a summary of teaching interests and philosophy,
- (v) evidence of teaching excellence (such as course outlines and student evaluations if available),
- (vi) three papers that are the most significant and relevant to your research interests,
- (vii) a Diversity Statement that describes and documents how values of equity, diversity, inclusion, anti-racism, and anti-oppression figure into your past, present, and future experience of teaching, research, community engagement, and your lived experience (maximum 1 page), and
- (viii) names and contact details of three academic references. Letters of reference will only be requested from short-listed candidates.

The complete application file must be submitted in the format of **one bookmarked PDF file**, addressed to Dr. Robert Boushel, Director, School of Kinesiology, and sent electronically to kin.hr@ubc.ca by the application review start date (below). Please include this subject heading: Computational Neuro-Biology of Human Movement Position. Following the submission of the application, the applicant will receive an Equity Survey link via email. Completion of the anonymous Equity Survey is **required** as part of the application process.

While the search remains open until the position is filled, in order to be considered in this round of adjudication, interested individuals are asked to submit their applications by **April 15, 2022**, to ensure optimal consideration. Questions regarding the position and the application deadline should be directed to Dr. Robert Boushel, Director, School of Kinesiology at kin.hr@ubc.ca.

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 British Columbia 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. All applicants will be required to complete a confidential equity survey.

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