

Assistant Professor, Theoretical and Computational Neurophysics, Department of Physics and Astronomy, Faculty of Science, University of Calgary

University of Calgary believes that a respectful workplace, equal opportunity and building a diverse workforce contribute to the richness of the environment for teaching, learning and research, and provide faculty, staff, students and the public with a university that reflects the society it serves. The Faculty of Science is committed to showing leadership in diversity, equity and inclusion and nurturing a healthy and respectful workplace environment for all.

The Department of Physics and Astronomy at the University of Calgary seeks outstanding candidates for a tenure-track position at the **Assistant Professor** level. Applicants must possess a PhD in Physics (or equivalent) at the time of appointment. Postdoctoral experience is expected. Successful applicants must be enthusiastic about contributing to teaching and research, and demonstrate the potential to excel in both. Specifically, the successful candidate must demonstrate evidence of the following:

- Ability to develop a productive, externally-funded research program
- Potential to deliver high-quality instruction at the University level
- Track record of publications in high quality journals
- Capacity to collaborate and work well as part of a team

Applicants are sought in the area of theoretical and computational neurophysics. The successful candidate is expected to establish an independent research program related to the fundamentals of brain and neural dynamics at the intersection of physics and neuroscience. Theoretical, computational and data-driven areas of interest in modeling neural systems include neural dynamics, plasticity, information propagation, and network neuroscience. The successful candidate is also expected to provide high-quality teaching at both the undergraduate and graduate levels and actively recruit and supervise graduate students. Peer-reviewed external funding is expected to be obtained and sustained. Industrial partnerships are also encouraged, as appropriate.

Recently ranked #1 among young universities in Canada, the University of Calgary has significant ongoing research activities associated with our internationally known Hotchkiss Brain Institute (HBI, <http://www.hbi.ucalgary.ca/our-research>). The successful applicant will have the opportunity to be part of a prolific and diverse research environment provided by the Department of Physics and Astronomy, including the Complexity Science Group, and the HBI, with access to state-of-the-art core infrastructure. Outstanding opportunities for collaboration are available with established research programs in diverse areas of complexity science, neuroscience, and imaging, and the successful applicant is expected to take advantage of them.

Inspired by the vision “Healthy Brains for Better Lives”, the strategic goals of the HBI are to make key, internationally recognized discoveries and transform clinical research in the neurosciences and mental health. To achieve this goal the HBI has created a “NeuroDiscovery Framework”, which aligns research within three themes of Brain & Behaviour, Neural Injury & Repair and Healthy Brain Aging. Each theme is composed of Brain and Mental Health Teams, each organized in a translational continuum, which includes basic, clinical, population and public health researchers. The teams take advantage of key technology platforms, core facilities (such as neuroimaging, neurophotonics and advanced microscopy)

and support programs that allow them to pursue their research goals. This highly enriched environment is ideally suited to foster research excellence.

The Department of Physics and Astronomy is one of Canada's leaders, with demonstrated excellence in teaching and research. It has sizeable undergraduate and graduate programs, state-of-the-art laboratories, and successful multi-disciplinary linkages. Calgary is a multi-cultural city beside the natural beauty of the Rocky Mountains. Further information is available at <http://www.phas.ucalgary.ca> and <https://www.ucalgary.ca/complexity/>.

Interested individuals are encouraged to submit an application online via the 'Apply Now' link. Your application should include the following:

- Curriculum vitae, including the name and contact information of three references
- Concise description of research
- Statement of teaching philosophy

The deadline for applications is May 31, 2019. View full job posting and apply:

<https://science.careers.ucalgary.ca/jobs/3670741-assistant-professor-theoretical-and-computational-neurophysics-department-of-physics-and-astronomy>

To learn more about academic opportunities at the University of Calgary and all we have to offer, view our [Academic Careers website](#).

The University of Calgary recognizes that a diverse staff/faculty benefits and enriches the work, learning and research experiences of the entire campus and greater community. We are committed to removing barriers that have been historically encountered by some people in our society. We strive to recruit individuals who will further enhance our diversity and will support their academic and professional success while they are here. All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. In this connection, at the time of your application, please answer the following question: Are you a Canadian citizen or a permanent resident of Canada? (Yes/No)