

Department of Physics and Astronomy  
Faculty of Science  
University of Manitoba  
Winnipeg, Manitoba, Canada

Assistant or Associate Professor in Theoretical/Computational Biophysics  
Position # 30389

The Department of Physics and Astronomy invites applications for one or more full-time tenured or tenure-track position at the Assistant or Associate Professor level, commencing July 1, 2022, or on a date mutually agreed upon. Salary and rank will be commensurate with experience and qualifications.

The Department seeks an emerging scholar with a commitment to excellence in teaching and research. Exceptional candidates at the rank of Professor may also be considered. Outstanding candidates in any area of Theoretical/Computational Biophysics will be considered, with particular emphasis on candidates who will contribute to the new Faculty of Science initiative in synthetic, structural, and digital biology and who can complement or extend the department's existing strengths in biophysics including image analysis and modelling, microfluidic / lab-on-chip development, cell migration research, computational modelling of protein energetics and structural dynamics and, nanomagnetism and ultrasonic physics for bioapplications. The successful candidate will have a Ph.D. and preferably post-doctoral experience or other distinguishing attributes in Theoretical/Computational Biophysics or a related field. Duties will include undergraduate teaching, graduate teaching and supervision, research, including the establishment of an externally funded research program, and service-related activities. The successful candidate will have a track record of high quality scholarly research leading to peer assessed publications; will either have, or demonstrate the potential to establish, an independent, innovative, scholarly, externally fundable research program; will have demonstrated strength in or strong potential for outstanding teaching contributions; and will exhibit evidence of the ability to work in a collaborative environment.

To enrich our Department and create role models for a diverse population of students, we particularly invite application from those who can support and enhance our diversity, including women, Indigenous Peoples, persons with disabilities and racialized persons, and those committed to a diverse environment.

The Department currently has 22 full time tenured and tenure track faculty members and two Instructors, and offers a full range of both undergraduate and graduate programs in Subatomic Physics, Condensed Matter Physics, Astronomy and Astrophysics and Biological and Medical Physics. The Faculty of Science has recently obtained a state of the art cryo-electron microscope. The Department has a well-established and equipped research facility, including in-house high-performance computing clusters and additional facilities available through Compute Canada, and is supported by strong research links with other University of Manitoba departments including Electrical and Computer Engineering, Biological Sciences, Medicine, Biosystems Engineering and the Manitoba Institute for Materials. Further information about the Department can be obtained from <[www.sci.umanitoba.ca/](http://www.sci.umanitoba.ca/) Physics

and Astronomy >. Winnipeg is the largest city in the Province of Manitoba. The city has a rich cultural environment, including symphony, opera, dance, theatre, and ethnic festivals. The region provides ample opportunities for outdoor recreation in all seasons. Learn more about Winnipeg at [www.winnipeg.ca](http://www.winnipeg.ca).

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons, Indigenous peoples, persons with disabilities, persons of all sexual orientations and gender identities, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

If you require accommodation supports during the recruitment process, please contact [UM.Accommodation@umanitoba.ca](mailto:UM.Accommodation@umanitoba.ca) or 204-474-7195. Please note this contact information is for accommodation reasons only.

Applications including a curriculum vitae, a description of teaching philosophy, a summary of research interests, a three page research plan and contact information for three references should be sent to: [pos30389@physics.umanitoba.ca](mailto:pos30389@physics.umanitoba.ca) (PDF files preferred). Please ensure to specify position number 30389 in the application. For further information contact the Search Committee Chair at: [Robert.Stamps@umanitoba.ca](mailto:Robert.Stamps@umanitoba.ca). The closing date for receipt of applications is August 1, 2021.

Application materials, including letters of reference, will be handled in accordance with the Freedom of Information and Protection of Privacy Act. Please note that curricula vitae may be provided to participating members of the search process.