

University of Manitoba
Department of Biological Sciences
Faculty of Science

Assistant Professor – Synthetic Biologist
Position number 34650

The Department of Biological Sciences invites applications for a Probationary (Tenure-track) position at the rank of Assistant Professor beginning as early as January 1, 2025, or on a date mutually agreed upon. Salary will be commensurate with experience and qualifications.

The Department seeks an outstanding and visionary early career scholar committed to the study of Synthetic Biology with novel applications to eukaryotic systems including but not limited to regulatory networks and circuit design, metabolic engineering, molecular pharming, or RNA biology and applications. The candidate will demonstrate research excellence, hold a PhD or equivalent, and have relevant postdoctoral experience or equivalent. Expertise in experimental approaches in gene/genome editing, DNA assembly and design, modelling gene expression or eukaryotic genetic circuits is a major asset. Duties will include meaningful contributions to the research, teaching, and service activities of the Department. 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 and innovative externally funded research program; will have demonstrable strength in, or strong potential for, outstanding teaching contributions; and will exhibit evidence of the ability to work in a collaborative environment.

The Department is committed to creating a diverse and welcoming working environment. We particularly invite applications from diverse gender and sexual identities, Indigenous peoples, persons with disabilities, racialized persons, underrepresented groups such as 2SLGBTQIA+ and those committed to cultivating an inclusive research and teaching environment.

The Department currently has 29 full-time tenured and tenure-track faculty members and, 10 Instructors, and offers a full range of undergraduate and graduate programs. The Faculty of Science has a strong tradition in undergraduate education in Synthetic Biology with the International Gene Engineering Machine (iGEM), RNA Salon and Manitoba group for protein structure and function. The Department of Biological Sciences and Faculty of Science are well-equipped with research facilities including: microscopy (cryoTEM and cryoEM), CCAC approved animal holding facilities, and; modern tissue culture and plant growth facilities. The Department is supported by strong research links with other departments and facilities including: Manitoba Centre for Proteomics and Systems Biology, Manitoba Institute of Materials Science, Data Science Nexus, and off-campus agencies such as the National Microbiology Laboratory and Agriculture and Agri-foods Canada.

Application materials should include: a cover letter; a curriculum vitae; two-page teaching statement outlining experience, interest and philosophy; three-page research statement

outlining accomplishments and research plan; and one-page description of how you would integrate a culture of equity, diversity and inclusion into your research, teaching and service. Include contact information for three references. The entire application package should be sent in PDF format to: BIOSCIBR@umanitoba.ca. Please ensure to specify position number 34650 in the application. For further information, contact the search committee Chair Dr. W. Gary Anderson (gary.anderson@umanitoba.ca).

The closing date for receipt of applications is April 22 2024.

The University of Manitoba is committed to the principles of equity, diversity & inclusion and to promoting opportunities in hiring, promotion and tenure (where applicable) for systemically marginalized groups who have been excluded from full participation at the University and the larger community including Indigenous Peoples, women, racialized persons, persons with disabilities and those who identify as 2SLGBTQIA+ (Two Spirit, lesbian, gay, bisexual, trans, questioning, intersex, asexual and other diverse sexual identities). 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 or +1-204-474-7195. Please note this contact information is for accommodation reasons only.

Application materials, including letters of reference, will be handled in accordance with the protection of privacy provision of *The Freedom of Information and Protection of Privacy Act* (Manitoba). Please note that curriculum vitae may be provided to participating members of the search process.

The University of Manitoba is a driving force of innovation, discovery and advancement. Our momentum is propelled by our campus community – UM faculty, staff and students whose determination and curiosity shape our world for the better. Our teaching, learning and work environment is uniquely strengthened and enriched by Indigenous perspectives. With two main campuses in Winnipeg, satellite campuses throughout Manitoba, and world-wide research, UM's impact is global.

Discover outstanding employee benefits, experience world-class facilities and join a dynamic community that values reconciliation, sustainability, diversity, and inclusion. We are one of Manitoba's Top Employers and one of Canada's Best Diversity Employers. At the University of Manitoba, what inspires you can change everything.

The City of Winnipeg (www.tourismwinnipeg.com), located where the Red and Assiniboine Rivers meet, is recognized for its vibrant, multicultural community and diverse culture. The city, with a growing population of more than 766,000, is home to internationally renowned festivals, galleries and museums, the historic Exchange District and The Forks, and ever-expanding research, education, and business sectors. From the Hudson Bay waters, across the farmland

fields, to the pulse of the cities and towns, The Province of Manitoba's (www.travelmanitoba.com) people and places – its 100,000 lakes, 92 provincial parks, winding river valleys and storied prairie skies – inspire.