



Posting Title: Advertisement For Assistant or Associate Professor

Position number: 37564

Type: Assistant or Associate Professor

Department: Human Anatomy & Cell Science

Faculty: Rady Faculty of Health Sciences

Posting start date: August 28, 2026

Posting close date: September 30, 2026

For more information please contact: Jacki Armstrong [jacki.armstrong@umanitoba.ca](mailto:jacki.armstrong@umanitoba.ca)

### **Position description:**

The Department Human Anatomy & Cell Science invites applications for a full-time tenure-track position at the Assistant or Associate Professor rank, commencing January 5, 2027, or on a date mutually agreed upon. Salary and rank will be commensurate with experience and qualifications.

The Department of Human Anatomy and Cell Science, in collaboration with the Manitoba Centre for Proteomics and Systems Biology (MCPBSB), is seeking to expand translational cancer research through innovative approaches to interrogate functional protein states in clinically relevant cell and tissue specimens. This position will intersect with and support the department's research strengths in brain tumors (primary and metastatic) and cell stress mechanisms in the context of advanced functional proteomics. Individuals with a research interest in the interactions between tumor cells and resident brain cells are especially encouraged to apply.

### **Responsibilities:**

The successful candidate will utilize and advance methodology for emerging spatially resolved and imaging-based proteomic strategies, analysis of post-translational modifications in-situ across cell-based and in vivo model systems, and integration with complementary multi-omic datasets to define signaling networks and cellular interactions in clinically relevant tissue specimens.

The department seeks to expand existing pre-clinical and translational cancer research and specifically invites researchers with the potential to build multidisciplinary and translational research teams.

The successful candidate will develop a strong, externally funded and nationally recognized research program that integrates with and expands upon the departments' research strengths. Preference will be given to applicants with a research program suitable for both health (CIHR) and fundamental science (NSERC) funding. Candidates demonstrating innovative tissue-based and spatial proteomic methodologies, including applications in pre-clinical cancer models, are encouraged to apply. The candidate is expected to take a collaborative team-based approach to building a successful research program that will attract and retain talented trainees. The successful candidate will apply to local and provincial funding opportunities and will receive start-up funds to establish their research lab. The successful candidate is expected to apply to the Canada Foundation for Innovation John R. Evans Leaders Fund (CFI-JELF) to complement existing infrastructure and equipment in the department.

The department houses the electron microscopy core platform and the histology service facility of the Rady Faculty of Health Sciences, as well as the departmental microscopy imaging suite and the brain tumor

cell and tissue resource in support of translational brain tumor research. The candidate will have access to 3D imaging, super-resolution and confocal imaging, transmission electron microscopy, histomorphology facilities, a recently expanded zebrafish facility, and an established mammalian animal facility with animal imaging capabilities (PET-MRI, micro-CT, IVIS bioluminescence and ultrasound). They have access to the proteomics & systems biology core platform [<https://umanitoba.ca/health-sciences/research/manitoba-centre-for-proteomics-and-systems-biology>] and other core platforms at the RFHS, such as flow cytometry, live-cell imaging, central animal core and transgenic facilities, and statistical genomics and bioinformatics [<https://umanitoba.ca/health-sciences/research/centres-services-platforms>]. Strong collaborations exist with the Paul Albrechtsen Research Institute CancerCare Manitoba [<https://research.cancercare.mb.ca/paul-albrechtsen-research-institute/>].

The Department of Human Anatomy and Cell Science has fourteen full time tenured and tenure track faculty members and two instructors. The successful candidate is expected to support the department's teaching activities in cell and tissue biology at the undergraduate and/or graduate level. It is expected that the candidate will participate in service activities for the department, the university and the community. This position will strengthen current and planned translational and proteomic cancer research programs in the newly formed School of Biomedical Sciences, Max Rady College of Medicine.

The candidate will be expected to contribute to the academic mission of the Department and the School of Biomedical Sciences through excellence in teaching, development of a strong and externally funded program of research, and active service contributions to the University and broader academic/professional community.

Exceptional candidates will be considered with the qualifications outlined below:

#### **Qualifications:**

**Assistant Professor:** The successful candidate will have a PhD or MD/PhD degree or equivalent, a minimal postdoctoral experience of more than 3 years, have demonstrated consistent research productivity, and employ innovative approaches in functional proteomic analysis of patient biospecimens and/or preclinical animal tissues. The department offers mentorship for the candidate's research program and teaching activities.

**Associate Professor:** The successful candidate will have a PhD or MD/PhD degree or equivalent, previous experience as principal investigator supervising graduate students and leading a successfully funded research program. They will have demonstrated excellent research productivity and employ innovative approaches in functional proteomic analysis of patient biospecimens and/or preclinical animal tissues. Evidence for leadership in team-based interdisciplinary research contributions are an asset.

**Applications will include all of the following documents (as a single PDF file):**

- Letter of application
- Curriculum vitae (including details of history of mentorship of trainees)



- Description of their planned research program within the department and MCPSB
- Statement of teaching and mentoring experience and competency
- Description of past and current contributions to Equity, Diversity, and Inclusion
- Names and contact information of three academic referees

Please submit your application via UMCareers <https://umanitoba.ca/careers/>

The closing date for receipt of applications is September 30, 2026.

**Additional Information:**

The Rady Faculty of Health Sciences is committed to the social justice principles of equity, access & participation 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, Black, racially marginalized communities, disabled persons and those who identify as 2SLGBTQIA+ (Two Spirit, lesbian, gay, bisexual, trans, questioning, intersex, asexual and other diverse sexual identities).

An inclusive, open and diverse community is essential to excellence and fosters voices that have been ignored or discouraged. To address the Rady Faculty of Health Sciences commitment to equity, access and participation, and in recognition of the underrepresentation of members of historically and currently excluded groups, we take proactive measures including implicit bias training for all hiring panels. We strive for diversity and cultural safety throughout the hiring process (hiring panels, short-list of candidates, interviews). The University acknowledges the potential impact that Career

Interruptions and Personal Circumstances can have on an applicant's record of research achievement. Measures will be taken to ensure that these leaves will be taken into careful consideration during the evaluation process. We encourage you to self-identify aspects of your identity that position you to bring currently under-represented viewpoints, expertise and forms of excellence to this role.

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.

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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).

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.

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