



[FREQUENTLY ASKED QUESTIONS](#)

[LOGIN AS EMPLOYEE](#)

[MY CANDIDATE PROFILE](#)

[View More Jobs](#)



# Post Doctoral Fellow

Edmonton, AB, Canada (On-site)

[Skip to main content.](#)

## JOB INFO

Job Identification	3786
Job Category	Research & Research Support
Posting Date	2026-04-17, 05:09 PM
Apply Before	2026-05-01, 11:55 PM
Job Schedule	Full time
Locations	Edmonton, AB, Canada (On-site)
Category Type	Postdoctoral
Position Type	Postdoctoral Fellows (PDF)
College/Administrative Portfolio	College of Health Sciences
Faculty/Department	Medicine + Dentistry

## ABOUT THE TEAM

The Faculty of Medicine & Dentistry is one of the world's top academic health science centres. With 21 departments, multiple research institutes and centres, and a focus on excellence in education, research, and clinical care, the faculty trains outstanding medical and dental professionals and drives global health innovation in collaboration with partners across sectors.

## JOB DESCRIPTION

This position has an initial appointment of 1 year.

**Location** - This role is in-person at North Campus Edmonton.

A Postdoctoral Fellow position is available in the Department of Biochemistry at the University of Alberta (Edmonton, Canada). We are seeking a highly motivated candidate with a strong background in biochemistry, molecular biology, nanotechnology and/or biophysical analysis. The successful candidate will join a dynamic research program in membrane structure-function analysis, native nanodisc technology and lipid signaling (<https://www.ualberta.ca/en/biochemistry/people/faculty/michael-overduin.html>). These research initiatives are supported by NSERC and Alberta Innovates.

The styrene maleic acid lipid particle technology is our key analytical platform (see [www.SMALP.net](http://www.SMALP.net)). This involves the production and analysis of polymer-based membrane nanodiscs using biophysical instrumentation available (GatorBio Biolayer Interferometry, Fluidic Analytics Fluidity One-M, Malvern Panalytical MicroCal PEAQ ITC and Zetasizer, see [www.molscreen.com](http://www.molscreen.com)) as well as size exclusion chromatography-multi-angle light scattering, mass photometry, mass spectrometry, electron microscopy and NMR spectroscopy. We also use a range of nanotechnology, molecular biology and biochemistry tools, cell culture models, and bioinformatics approaches to investigate protein function in cells, membranes and biological samples.

## RESPONSIBILITIES

- Wet-lab experimental research (in-person, full time)
- Experimental design, data acquisition, data analysis, and presentation of results
- Preparation of research manuscripts
- Assistance with mentoring graduate and undergraduate students

## QUALIFICATIONS

To be considered, candidates must meet the following requirements:

- Hold a PhD degree awarded in the past 5 years.
- First-author publications, with a strong background in structural biology, biochemistry, molecular biology or analytical chemistry.
- Prior expertise in biophysical analysis of nanoparticles, proteins and membranes will be an advantage.
- Excellent oral and written communication skills.

## Application Instructions

Click "Apply Now" to submit your curriculum vitae, list of publications, and cover letter.

*This position has a comprehensive benefits package.*

*The terms and conditions of this appointment are governed by the [Collective Agreement between the Board of Governors of the University of Alberta and the Postdoctoral Fellows Association of the University of Alberta](#).*

## ABOUT US

*The University of Alberta acknowledges that we are located on Treaty 6 territory, and respects the histories, languages and cultures of First Nations, Métis, Inuit and all First Peoples of Canada, whose presence continues to enrich our vibrant community.*

The University of Alberta is a community of knowledge

seekers, change makers and world shapers who lead with purpose each and every day. We are home to over 14,000 faculty and staff, more than 40,000 students and a growing community of 300,000 alumni worldwide.

Your work will have a meaningful influence on a fascinating cross-section of people - from our students and community members, to our renowned researchers and innovators, making discoveries and generating solutions that make the world healthier, safer, stronger and more just. [Learn more.](#)

At the University of Alberta, we are committed to creating an inclusive and accessible hiring process for all candidates. If you require accommodations to participate in the interview process, please let us know at the time of booking your interview and we will make every effort to accommodate your needs.

**We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.**

All University employees have a responsibility to foster a workplace that prioritizes safety in all its forms—physical, cultural, and psychological. This is achieved by promoting a safe environment, adhering to all safety laws, policies and procedures, completing all required safety training, identifying hazards and implementing controls, reporting incidents, and contributing to a culture of belonging and respect, while endeavoring to ensure that all colleagues feel valued and safe to express their thoughts, perspectives and concerns.

The University of Alberta is committed to creating a university community where everyone feels valued, barriers to success are removed, and thriving connections

are fostered. We welcome applications from all qualified persons. We encourage women, First Nations, Métis and Inuit persons, members of visible minority groups, persons with disabilities, persons of any sexual orientation or gender identity and expression, and all those who may contribute to the further diversification of ideas and the University to apply.

L'Université de l'Alberta s'engage à créer une communauté universitaire où chaque personne se sent valorisée, où les obstacles à la réussite sont éliminés et où des connexions enrichissantes peuvent se développer. Nous accueillons les demandes de toutes les personnes qualifiées. Nous encourageons les femmes; Premières nations, Métis et Inuits; membres des groupes minoritaires visibles; personnes handicapées; personnes de toute orientation sexuelle ou identité et expression de genre; et toutes les personnes qui peuvent contribuer à la diversification des idées et à l'université à postuler.

APPLY NOW

### Similar Jobs

Post-Doctoral Fellow in  
Cardioimmunology

Edmonton, AB, Canada (On-site) •

Posted on 2026-04-21 •

 **TRENDING**

