



VACCINE AND INFECTIOUS DISEASE ORGANIZATION

Principal Research Scientist Vaccine Formulation and Delivery System

The [Vaccine and Infectious Disease Organization \(VIDO\)](#), Canada's Centre for Pandemic Research, is a world leader in infectious disease research and vaccine development for humans and animals. Located at the University of Saskatchewan in Saskatoon, Canada, VIDO is home to one of the largest and most advanced containment level 3 facilities in the world. To strengthen the preparedness for emerging infectious diseases we are currently expanding our infrastructure to include containment level 4 capacity, a GMP vaccine manufacturing facility, and a new animal housing facility supporting a variety of large and small animal models. Our vision includes having the capacity to study any emerging disease in any animal model embracing a One Health approach to prevent emerging and re-emerging infectious diseases in humans and animals.

We are seeking an outstanding scientist to join our team of principal investigators and lead an independent, externally funded, and competitive research program in vaccine formulation and delivery.

Position Summary:

The successful candidate will develop and lead a globally competitive research program focusing on vaccine formulation chemistry and/or delivery systems relevant to infectious disease control in humans or animals. Areas of specialized interest may include novel delivery systems, adjuvant discovery and formulation, and delivery routes. The position offers considerable opportunity to collaborate in the formulation of vaccine antigens against a variety of (re)emerging high consequence bacterial and viral pathogens of humans and animals. The successful candidate will be expected to recruit and supervise postgraduate trainees and technicians, as well as contribute to knowledge transfer, community, and stakeholder engagement. Appointed candidates will receive generous start-up support and a starting salary highly competitive with comparable academic positions in Canada. A comprehensive benefits package, including health & dental, life insurance, pension plan, and six weeks' vacation is part of a competitive compensation package.

Qualifications:

- A PhD in chemistry, nanotechnology, pharmaceutical technology, biochemistry, or related fields.
- A minimum of 4 years of relevant experience and a proven record of research contribution in formulation
- Relevant research experience demonstrating advanced knowledge of formulation chemistry or vaccine delivery systems and relevant peer-reviewed publications is essential.
- Demonstrated success in obtaining external research funding and in supervision of trainees is highly desirable.
- Effective organizational, time management skills, and prioritization skills as well as effective verbal and written communication skills are required.
- Applicants must have ability to work effectively as a team member.

Appointments will be made as full-time permanent Principal Research Scientist joining VIDO's team of internationally recognized Principal Research Scientists working in fields of Virology, Bacteriology, Immunology and Vaccine Development. VIDO has core resources in flow cytometry, imaging, next generation sequencing, bioinformatics and high-performance computing, protein expression and purification. A team of veterinarians and animal care technicians provide for humane care and ethical conduct of infectious disease research in biocontainment using a variety of large and small animal models. Research is further enabled through collaboration with colleagues on the University of Saskatchewan campus including the [College of Medicine](#), [Western College of Veterinary Medicine](#), [College of Engineering](#) as well as facilities and research centers such as the [Centre for Quantum Topology and Its Applications](#), [Protein Characterization and Crystallization Facility](#), [Canadian Light Source](#) and [Saskatchewan Structural Sciences Centre](#).

Status: Permanent

Employment Group: Non-Union

Shift: Monday - Friday, 7.5 hours per day (37.5 hours per week)

Full Time Equivalent (FTE): 1.0

Interested candidates are asked to submit their application including a cover letter, summary of proposed research program, CV, and the names of three references online, to <https://vido.applytojobs.ca/research/28438>.

Review of applications will begin immediately; however, applications will be accepted and evaluated until the position is filled. We thank all applicants for their interest; only those candidates selected for an interview will be contacted.

For more information visit: vido.org

With a population of 266,000, Saskatoon offers a vibrant culture and arts scene and a full range of leisure opportunities. The University of Saskatchewan is one of Canada's top 15 medical universities and offers a world-class research environment with faculties and colleges in all relevant disciplines, the only Canadian Synchrotron, the Global Institute for Food Security, and the Global Institute for Water Security.

The University believes equity, diversity, and inclusion strengthen the community and enhance excellence, innovation and creativity. We are dedicated to recruiting individuals who will enrich our work and learning environments. All qualified candidates are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadian citizens and permanent residents will be given priority. We are committed to providing accommodations to those with a disability or medical necessity. If you require an accommodation in order to participate in the recruitment process, please notify us and we will work together on the accommodation request. The University of Saskatchewan's main campus is situated on Treaty 6 Territory and the Homeland of the Métis. We pay our respects to the First Nations and Métis ancestors of this place and reaffirm our relationship with one another. Together, we are uplifting Indigenization to a place of prominence at the University of Saskatchewan.