

Postdoctoral Fellow Position
Vaccine and Infectious Disease Organization-International Vaccine
Centre (VIDO-InterVac)

University of Saskatchewan, Saskatoon, Saskatchewan, Canada

Project Title: Animal models for viral pathogenesis and oncolytic therapy

Institution: VIDO-InterVac is a preeminent research institute with its primary focus on microbial pathogenesis, vaccine development, and mitigation strategies against both human and animal pathogens. VIDO-InterVac currently has over 150 personnel and state-of-the-art facilities including the International Vaccine Centre (InterVac), one of the most advanced containment level 3 facilities in the world consisting of both laboratories and animal isolation suites.

Start Date: The position is available immediately

Project Description: The research focus is on the development of an immunocompetent humanized pig model for viral pathogenesis and oncolytic virus therapy studies. The candidate will study the fate of stem cells from healthy human tissues and tumors after transplantation in animals. The successful candidate will also study pathogenesis and oncolytic properties of wild-type and genetically modified Zika viruses.

Financial Support: The project is fully funded for two years.

Research Advisor: Uladzimir Karniychuk, DVM, Ph.D. For more information, visit:
<http://www.vido.org/team/project-leaders/uladzimir-karniychuk>

Candidate Profile: Candidates must hold a Ph.D. in virology, molecular biology, or another appropriate discipline. Recent Ph.D. graduates are particularly encouraged to apply. Well-developed oral and written communication skills are essential. An ideal candidate will have a strong background in classical and molecular virology techniques, immunohistochemistry, and flow cytometry. Experience with CRISPR-Cas9 genome editing technology and next-generation sequencing would be an advantage. Experience working with animals is not essential.

The candidate must be highly motivated, creative, and diligent. The successful candidate will be required to undergo and clear a reliability status screening assessment, background check and a criminal record check as a condition of employment.

How to Apply: Email One single application document (pdf file) that includes **1)** a letter of motivation, **2)** a complete *curriculum vitae* (CV), **3)** contact information for individuals willing to provide a reference for the candidate, to u.karniychuk@usask.ca

VIDO-InterVac and the University of Saskatchewan is strongly committed to a diverse and inclusive workplace. As such, applications from those who will contribute to the diversity of our community are welcome and all qualified candidates are encouraged to apply. However, Canadian citizens and permanent residents will be given priority.

Only candidates selected for interviews will be contacted