M.Sc. Graduate Student Position

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

University of Saskatchewan, Saskatoon, Saskatchewan, Canada

Project Title: Immunopathogenesis of fetal viral infections

Institution: VIDO-InterVac, University of Saskatchewan
120 Veterinary Road, Saskatoon, SK S7N 5E3

Start Date: January 2020

Organization: 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.

Program of Study: Master's degree (M.Sc.) in Veterinary Microbiology with the possibility of continuing towards a Doctorate degree (Ph.D.).
https://grad.usask.ca/programs/veterinary-microbiology.php#Program

Project Description: The primary goal of the project is to study the immunopathogenesis of fetal infections, specifically Zika virus and porcine circovirus infections. We use a multidisciplinary approach which includes advanced large animal models, molecular virology, immunological methods, next generation sequencing, and bioinformatics. This project will provide excellent training for a candidate who desires to pursue a career in scientific research.

Financial Support: The project is fully funded and the candidate will be provided a stipend, but will also be expected to apply for internal and external scholarships.

Research Advisor: Uladzimir Karniychuk. For more information, visit:
https://www.vido.org/team/project-leaders-veterinarians/uladzimir-karniychuk

Candidate Profile: An undergraduate degree in biomedical or other relevant sciences (GPA 85% or higher). Working knowledge of biomedical laboratory techniques. The candidate must be **1)** highly motivated and creative, **2)** diligent, including a willingness to learn and support research experiments on weekends, when required and **3)** excellent in written English skills**.** The candidate might be required to work under **high-security biocontainment level-3 conditions** after extensive training. The successful candidate will be required to undergo and clear a reliability status screening assessment, background check, and a criminal record check.

How to Apply: Interested candidates must submit electronically, **one single application document** (pdf file) that includes **1)** a letter of motivation, **2)** a complete *curriculum vitae* (CV), **3)** a copy of undergraduate transcripts, and **4)** contact information for individuals willing to provide references, 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