The candidate will be involved in a multidisciplinary and multi-institutional research project (University of Montreal, University of Alberta and Thammasat University in Thailand).

Research work will be performed at the Faculty of Veterinary Medicine of the University of Montreal (St-Hyacinthe campus) under the supervision of Dr. Mariela Segura and the co-supervision of Dr. Marcelo Gottschalk.

**Deadline:** March 15th, 2019. However, late applications can be considered on a rolling basis.

**Project description:** The post-doctoral fellow (PDF) will be involved in aspects related to vaccine development and underlying immunological mechanisms using swine and mouse models. The proposed project focuses on the use of new generation carbohydrate–based vaccines. The target pathogen is *Streptococcus suis*, one of the most important bacterial pathogens in pigs and an emerging zoonotic agent of meningitis and septicemia. The applicant will perform protein cloning and purification, ELISA for antibody titration, mouse immunization, pig immunization and challenge, and opsonophagocytosis assays *in vitro*.

Thus, she/he will need to have previous experience with animal handling (at least mouse models), bacteriological techniques and immunological assays.

**Language skills:** English is a requirement as team meetings with partner institutions are mandatory for this project. French is encouraged but not required.

**Salary:** 55,000$/year (including benefits).

**Duration:** from April 2019 to September 2021 (2.5 year)

**Research project is funded by:** The International Development Research Centre (IDRC), Innovative Veterinary Solutions for Antimicrobial Resistance Program.

**To submit your application:** Please send your C.V., copies of grade transcripts, a presentation letter, and two references to the following address: mariela.segura@umontreal.ca