



UNIVERSITY OF SASKATCHEWAN

Western College of Veterinary Medicine

DEPARTMENT OF LARGE ANIMAL CLINICAL SCIENCES
USASK.CA/WCVM

Graduate Students, Large Animal Clinical Sciences

Location: Western College of Veterinary Medicine, University of Saskatchewan

Posted Date: 02/06/2020

Closing Date: Until Filled

Number of Openings: 2

Program of Study: The positions are in a research training program leading to an MSc or PhD degree. More information on the program can be found at <https://grad.usask.ca/programs/large-animal-clinical-sciences.php>

Description: Two MSc or PhD graduate student positions with a specialization in epidemiology and disease management in commercial beef herds are available with competitive stipends in Dr. Cheryl Waldner's research group in the department of Large Animal Clinical Sciences at the Western College of Veterinary Medicine, Saskatoon, SK. Dr. Waldner's research focuses on the health and productivity of beef herds in Western Canada, especially in the areas of production-limiting diseases and antimicrobial use and resistance. She has expertise in applied epidemiology in a wide range of disciplines: <https://researchers.usask.ca/cheryl-waldner/>

The programs surrounding these training opportunities are funded by the Beef Cattle Research Council, NSERC, and Genome Canada. One student project will focus on applying genomics and system science tools to inform the prudent use of antimicrobials in bovine respiratory disease (BRD) in the feedlot. The second student will examine infectious disease control and antimicrobial use and stewardship in cow-calf herds in Western Canada.

Prospective students should have knowledge of statistical and epidemiological analyses, and familiarity with the commercial beef cattle industry in North America. Students will use traditional and advanced statistical, epidemiological, big data and system science tools to investigate their research questions. Candidates are required to have very strong English language communication skills – both verbal and written. Students will be expected to publish their results in relevant journals, communicate with partners and stakeholders, and present their results at national and international beef industry and scientific conferences. Successful applicants will be required to work independently as well as with other students and researchers in a large interdisciplinary research group.

Qualifications: Applicants should hold a Bachelor's degree in a related field; a background in veterinary medicine or animal science is strongly desirable. Applicants for a PhD program should hold an MSc Degree in epidemiology or a related field. Applicants must meet the English proficiency requirements (e.g., TOEFL) and other requirements for admission to the University of Saskatchewan's College of Graduate Studies and Research:

<https://graddev.usask.ca/admissions/admission-requirements.php>

How to Apply: Potential candidates must submit electronically:

- A letter describing the reasons you are interested in this position, your research interests, and your career goals
- A curriculum vitae (CV)
- A copy of your university transcripts and proof of previous degrees
- Contact information for three individuals willing to provide an academic reference

Submit your complete package to cheryl.waldner@usask.ca.

Only those applicants selected for interviews will be contacted.