UNIVERSITY OF CALGARY

FACULTY OF VETERINARY MEDICINE
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TWO FULLY FUNDED GRADUATE STUDENT POSITIONS

Location: University of Calgary Faculty of Veterinary Medicine (UCVM), Calgary, Alberta, Canada, and Lethbridge Research and Development Centre, Lethbridge, Alberta, Canada.

Research project: Implementation, impacts and economic aspects of selective dry cow therapy and selective treatment of clinical mastitis in Canadian dairy herds.

Description: Are you a motivated and passionate person seeking an exciting research opportunity in the field of veterinary science and dairy herd management? We are currently looking for two talented and dedicated individuals to join our dynamic research team for a ground-breaking project on the adoption of selective antimicrobial therapy practices in dairy herds in Canada.

Antimicrobial resistance is a big threat to the health of people and animals around the world. Since antimicrobial use is a big reason why antimicrobial resistance keeps getting worse, it makes sense to look into ways to cut down on unneeded use. Most antimicrobials used on dairy farms are used to treat and prevent mastitis, which is the inflammation of the mammary gland. Treatments are most often used when the cows are drying off and when they are demonstrating clinical signs of mastitis. Selective treatment practices such as selective dry cow therapy and selective treatment of clinical mastitis should be looked into as ways to cut down on the use of antimicrobials on farms. This research project will help Canadian dairy farmers reduce antimicrobial use by facilitating the adoption of selective antimicrobial therapies.

These are full-time, on-site positions with a primary placement in Calgary, Alberta, and temporary placement in Lethbridge, Alberta. Salary will be commensurate with experience and align with the UCVM Veterinary Medical Sciences Graduate Program funding policy. For outstanding students, internal top-up award opportunities are available on a competitive basis. Start in January or May 2024 is desirable.

Why apply?
1. Opportunity to be part of cutting-edge research in the dairy industry and contribute to its sustainability;
2. Obtain hands-on experience in data collection and analysis, molecular biology, and bioinformatics that are on-demand in the marketplace;
3. Access to state-of-the-art research facilities and resources;
4. Mentorship and guidance from experienced researchers in the field (Drs. Nobrega, Barkema and McAllister);
5. Competitive stipend and funding support for research-related expenses;
6. Networking opportunities with industry professionals and potential career advancements.

Qualifications: Applicants will possess an undergraduate degree in animal science, animal biology, or other agricultural-related degree with an interest in epidemiology, dairy cattle production, and infectious diseases. A DVM (or equivalent) background is an asset. Applicants needs to demonstrate strong written and oral communication skills and must be able to drive and qualify for a

valid driver's licence in Alberta.

At UCVM, fostering a culture of inclusion is an institutional priority. We invite and encourage applications from all qualified individuals, including from groups that are traditionally underrepresented in employment and who may contribute to further diversification of our Faculty.

Application Process: Interested candidates that qualify for enrollment in the UCVM Veterinary Medical Sciences Graduate Program (program requirements are listed here) should submit the following application materials to Dr. Nobrega (diego.nobrega@ucalgary.ca):

1. One-page cover letter expressing your interest in the project and relevant research experience;
2. Updated curriculum vitae (CV) highlighting your academic background and any relevant publications or projects;
3. Contact information for two academic or professional references (references will not be contacted without candidate's prior consent);
4. Academic transcripts (unofficial copies are acceptable during the initial application process).

Deadlines: The application deadline is September 7, 2023. Review of applications will begin on August 14th and continue until the position is filled. The position will remain open until filled but early application is suggested. Please contact Dr. Diego Borin Nobrega (diego.nobrega@ucalgary.ca) for any additional information or informal enquiries.

Why UCVM and why Calgary?
UCVM is a dynamic veterinary faculty in Western Canada committed to strengthening the connections between animal health, public health, and the environment. UCVM faculty is focused on fostering collaborative research, teaching and service. For detailed information please check www.vet.ucalgary.ca. Calgary is an unrivaled, vibrant, multicultural city located near the Rocky Mountains, Banff National Park and Lake Louise and offers an enormous opportunity for outdoor activities both in winter and summer.

In the spirit of respect, reciprocity and truth, we honour and acknowledge Moh'kinsstis, and the traditional Treaty 7 territory and oral practices of the Blackfoot confederacy: Siksika, Kainai, Piikani, as well as the Îyâxe Nakoda and Tsuut'ina nations. We acknowledge that this territory is home to the Métis Nation of Alberta, Region 3 within the historical Northwest Métis homeland. Finally, we acknowledge all Nations – Indigenous and non – who live, work and play on this land, and who honour and celebrate this territory.