UNIVERSITY OF CALGARY

GRADUATE STUDENT POSITION

Location: University of Calgary Faculty of Veterinary Medicine (UCVM), Calgary, Alberta, Canada.

Description: The University of Calgary is a leading research organization dedicated to advancing the understanding of antimicrobial resistance (AMR) and developing innovative solutions to combat this global health threat. We are seeking a highly motivated and skilled Graduate Student to join our dynamic UCVM team in Calgary.

As a Graduate Student, you will be involved in key projects involving AMR surveillance of bacteria from food-producing animals, with the ultimate goal of promoting responsible and sustainable antimicrobial use practices in veterinary medicine. You are expected to gain substantial experience in statistics and bioinformatics. This position offers a unique opportunity to engage in cutting-edge research, collaborating with a diverse team of scientists and researchers.

This is a full-time, on-site position with placement in Calgary, 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 September 2024 is desirable.

Why apply?
1. Opportunity to be part of cutting-edge research in AMR;
2. Obtain hands-on experience in data mining, bioinformatics, and statistical modelling 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;
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 statistics, computer science, animal science, animal biology, or other agricultural-related degree with an interest in data science, informatics, and epidemiology. Applicants needs to demonstrate strong written and oral communication skills. Experience in data analysis, biostatistics, machine learning and programming languages such as Python or R, and/or experience with bioinformatics tools and databases for genomic and metagenomic analysis is highly desirable.

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.

Program Options: The selected candidate will have the option to join either a MSc or Ph.D. program, based on their academic and career goals.

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 research interests 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).

Please include "Graduate Student Application – Antimicrobial Resistance" in the subject line.

Deadlines: The application deadline is January 31, 2024. Review of applications will begin immediately 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.

Selection process: We appreciate all applications, but only shortlisted candidates will be contacted for further consideration. Shortlisted candidates will be contacted before February 5, 2024. We thank you for your understanding.

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.

The University of Calgary, located in the heart of Southern Alberta, both acknowledges and pays tribute to the traditional territories of the peoples of Treaty 7, which include the Blackfoot Confederacy (comprised of the Siksika, the Piikani, and the Kainai First Nations), the Tsuut'ina First Nation, and the Stoney Nakoda (including Chiniki, Bearspaw, and Goodstoney First Nations). The City of Calgary is also home to the Métis Nation of Alberta (Districts 5 and 6).