

UNIVERSITY OF PRINCE EDWARD ISLAND
ATLANTIC VETERINARY COLLEGE
DEPARTMENT OF HEALTH MANAGEMENT
Ph.D. STUDENT



DAIRY CATTLE HEALTH RESEARCH IN ANTIMICROBIAL RESISTANCE AND CALF MANAGEMENT

The Atlantic Veterinary College (AVC) at the University of Prince Edward Island (UPEI) is seeking three highly-qualified applicant for MSc and Ph.D. student positions in dairy health research with emphasis on antimicrobial use, antimicrobial resistance and calf management on Canadian dairy farms. The successful candidates will contribute to a research programme in dairy health. Specific projects will explore 1) the use of standard phenotypic and metagenomics approaches for the early detection and control of the emergence of antimicrobial resistance in dairy farms in support of antimicrobial prudent use guidelines to improve antimicrobial therapies; 2) development of novel, rapid Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF)-based methods for identification of antimicrobial resistance in bovine mastitis isolates and 3) Cow longevity impacts of calf management practices.

The successful individuals will join a multi-disciplinary team of epidemiologists, data science modelers, statisticians, dairy clinicians, and regulatory veterinary medicine specialists, whose work focuses on holistic approaches to detect and control antimicrobial resistance in agricultural settings. The graduate students will contribute to a major multi-institutional grant involving academic, industry and government partners.

The selected candidate must have:

- A Doctor of Veterinary Medicine degree from an accredited institution in North America or similar qualifications
- Have practical knowledge of dairy production and how antibiotics are used in the dairy industry in Canada.
- An interest in epidemiology and statistical modeling
- Experience in working with a multidisciplinary group and the ability to communicate with individuals from diverse backgrounds is beneficial.
- Must be self-motivated and able to work both independently, and as an effective partner within the team

This graduate program will start in January 2019, and run until, December 2022 (the term may be reduced or extended depending on participation in the project, available funding and project requirements). Competitive stipends will be offered on a per annum basis for the duration of the assignment. Questions about the position can be addressed to Drs. Javier Sanchez, Luke Heider and J T McClure by emailing the project manager, Art Gennis (agennis@upei.ca.)

Interested candidates should submit a letter of intent, curriculum vitae and the names of three referees by email to: Art Gennis (agennis@upei.ca).

By Canadian immigration requirements, all qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

Closing date for applications is November 30th, 2018 or until suitable candidates are identified.