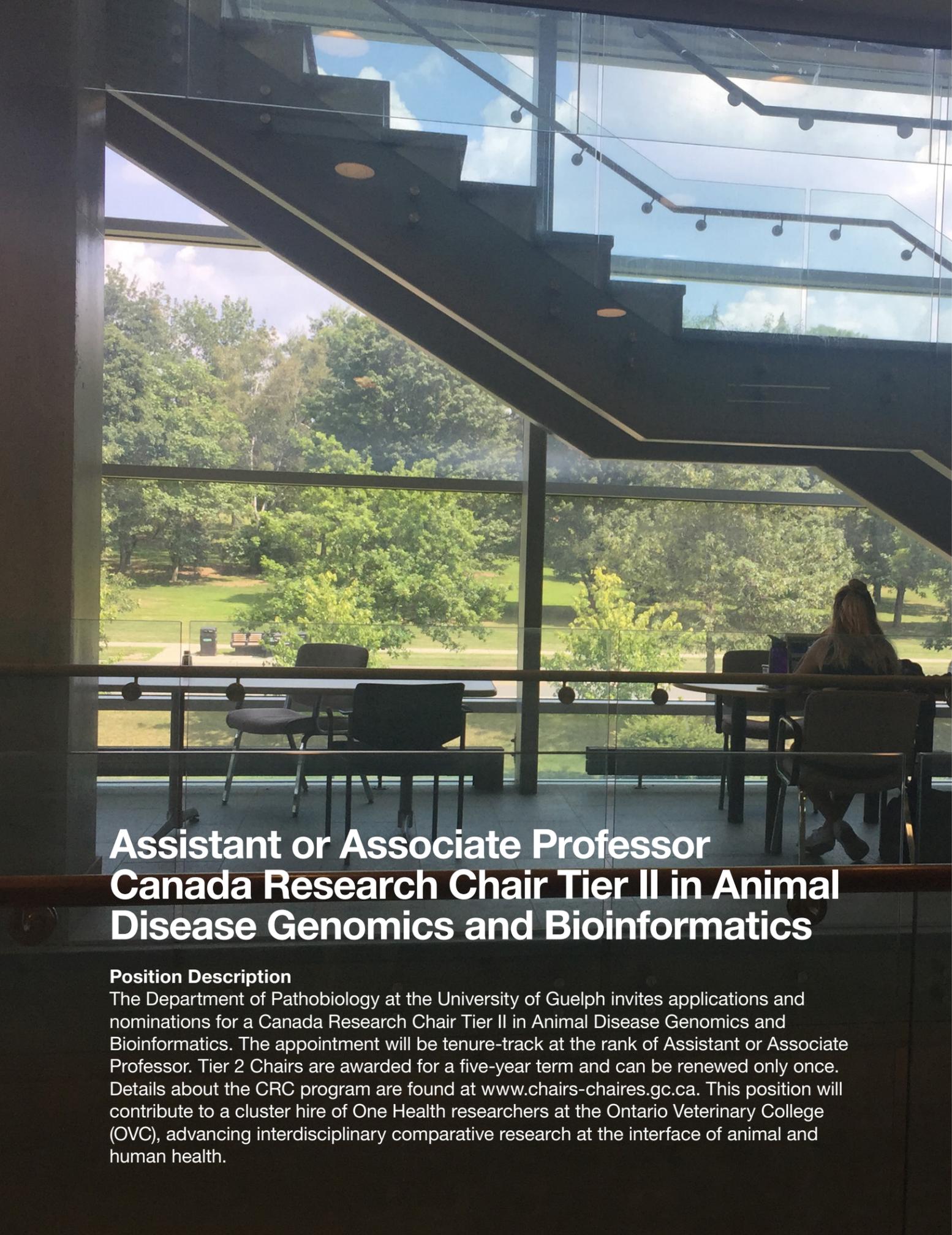


**Assistant or Associate Professor
Canada Research Chair Tier II
in Animal Disease Genomics and Bioinformatics
Ontario Veterinary College
University of Guelph**



Assistant or Associate Professor Canada Research Chair Tier II in Animal Disease Genomics and Bioinformatics

Position Description

The Department of Pathobiology at the University of Guelph invites applications and nominations for a Canada Research Chair Tier II in Animal Disease Genomics and Bioinformatics. The appointment will be tenure-track at the rank of Assistant or Associate Professor. Tier 2 Chairs are awarded for a five-year term and can be renewed only once. Details about the CRC program are found at www.chairs-chaire.gc.ca. This position will contribute to a cluster hire of One Health researchers at the Ontario Veterinary College (OVC), advancing interdisciplinary comparative research at the interface of animal and human health.

Exceptional emerging scholars, with the potential to become world leaders in a field related to Animal Disease Genomics and Bioinformatics, are invited to apply. The successful candidate will have a PhD and post-doctoral training in a discipline related to animal health and disease research with expertise and experience in applications of big data (including but not limited to transcriptomics, genomics, proteomics, epigenomics and metabolomics) to delineate disease processes in animals, especially those caused by infectious agents. Holding a Doctor of Veterinary Medicine or another health professional degree will be an asset.

The Chair is expected to establish a strong independent, collaborative and multi-disciplinary research program in the area of Animal Disease Genomics and Bioinformatics aimed at finding solutions, using big data analytic approaches, for control of disease and improving health and welfare in food producing and/or companion animals. The new faculty will work collaboratively with other Pathobiology and OVC faculty to promote the use of high throughput technologies and bioinformatics through various means, such as training workshops. Applicants who have a successful research track record employing One Health approaches are encouraged to apply.

While this is primarily a research appointment, the successful candidate will be expected to contribute to the DVM, undergraduate and graduate courses taught by members of the Department of Pathobiology. In addition, the Chair will contribute to developing a new graduate program in Disease Informatics as well as to teaching graduate level courses in the area of Bioinformatics.

A “Food from Thought” initiative was recently launched at the University of Guelph. The goal of this initiative is to exponentially increase our ability to leverage big data for the benefit

of food production and biodiversity at global, landscape and micro scales of research and innovation through strong multidisciplinary research. The successful candidate will work synergistically with members of the Food from Thought initiative.

Eligibility for a Tier 2 Chair requires that applicants are exceptional emerging scholars and have fewer than 10 years of experience as an active researcher in their field at the time of nomination. Nonetheless, applicants who are more than 10 years from having earned their highest degree, where career breaks exist, such as parental or extended sick leave, clinical training, or other exceptional circumstances, may have their eligibility assessed through the program’s Tier 2 justification process. For more information please contact Ailsa Fullwood, Manager, Strategic Research Programs at fullwood@uoguelph.ca. Please consult the Canada Research Chairs website for full program information, including further details on eligibility criteria.

Salary and rank are negotiable and commensurate with experience and qualifications.

Application Process

Assessment of applications will begin on **June 21, 2019** and will continue until the position is filled. Interested applicants should submit the following materials as a single PDF file: (1) a cover letter; (2) a curriculum vitae; (3) a 2-page summary of future research plans; (4) names and contact information of three references. Applications should be sent to the attention of:

Dr. Shayan Sharif, Professor and Chair
Pathobiology, University of Guelph
Guelph, ON N1G 2W1
shayan@uoguelph.ca



ABOUT THE ONTARIO VETERINARY COLLEGE

Established in 1862, the Ontario Veterinary College (OVC) at the University of Guelph is at the forefront of veterinary medicine. As the oldest veterinary college in North America, OVC has been preparing veterinarians to meet the needs of animal caregivers for more than 155 years. One-third of veterinarians in Canada have graduated from the Doctor of Veterinary Medicine program at OVC.

One of the founding colleges of the University of Guelph, OVC is the only veterinary college in Ontario and it is an integral part of one of Canada's most highly regarded comprehensive universities. Our graduates are proven leaders and scholars, having high impact in the field of veterinary medicine and research; they build careers in universities, private practices, industry, government, and other related organizations around the world. As part of a top comprehensive university, OVC has a long history of solving complex health problems for both farm and companion animals. OVC is a fully accredited veterinary college and is ranked by Quacquarelli Symonds as first in Canada, third in North America and sixth in the world for veterinary science.

Today, the College is home to 116 faculty and veterinarians, as well as 183 regular full-time staff across four departments: Department of Biomedical Sciences; Department of Clinical Studies; Department of Pathobiology and the Department of Population Medicine; as well as the OVC Health Sciences Centre which houses the OVC Companion Animal Hospital; Large Animal Hospital; Isolation Unit; Hill's Pet Nutrition Primary Healthcare Centre and the Mona Campbell Centre for Animal Cancer.

The OVC is fully accredited by the Council on Education of the American Veterinary Medical Association (AVMA) and the Canadian Veterinary Medical Association (CVMA).

Our educational programs include the four-year professional DVM degree; BSc degrees with other colleges in Bio-Medical Sciences and Toxicology; graduate programs for graduate diploma (GDip), MSc, Master of Public Health (MPH), Master of Biomedical Sciences (MBS), PhD, and Doctor of Veterinary Science (DVSc) degrees; clinical specialists-in-training programs; and the Summer Career Opportunities and Research Exploration Program for DVM and BSc students. Students educated through OVC learn a comparative, approach to diagnostics, epidemiology, and preventive medicine to provide comprehensive, global solutions.





ABOUT THE DEPARTMENT OF PATHOBIOLOGY

The Department of Pathobiology is dedicated to the advancement of knowledge in veterinary and comparative pathology, veterinary infectious diseases and immunology. Research in the department addresses such diverse areas as the pathogens of animals and how they interact with their hosts, emerging and zoonotic pathogens, antimicrobial resistance, the immunologic and genetic bases of resistance to infectious disease, development and progression of cancer, and mechanisms of immune-mediated and inflammatory diseases. We work on diseases of domestic mammals, poultry, laboratory animals, fish, wildlife, zoo and companion animals, from the molecular level to that of the population. We offer advanced training in diagnostic anatomic and clinical pathology, as well as research training in our areas of expertise.

Presently, there are 24 faculty, 1 veterinarian, 42 staff members, and 98 graduate students who work in the Pathobiology/Animal Health Lab building located on the University of Guelph's main campus in the heart of the City of Guelph.

The Department, together with the Animal Health Laboratory, has a new state-of-the-art 13,000 square meter building housing well-equipped modern research and diagnostic laboratories. The College has a large veterinary teaching hospital (Health Sciences Centre), the Animal Cancer Centre and the Centre for Public Health and Zoonoses. In addition, researchers have access to nearby research stations suitable for conducting studies in a variety of domestic animals and on-campus housing for laboratory animals..

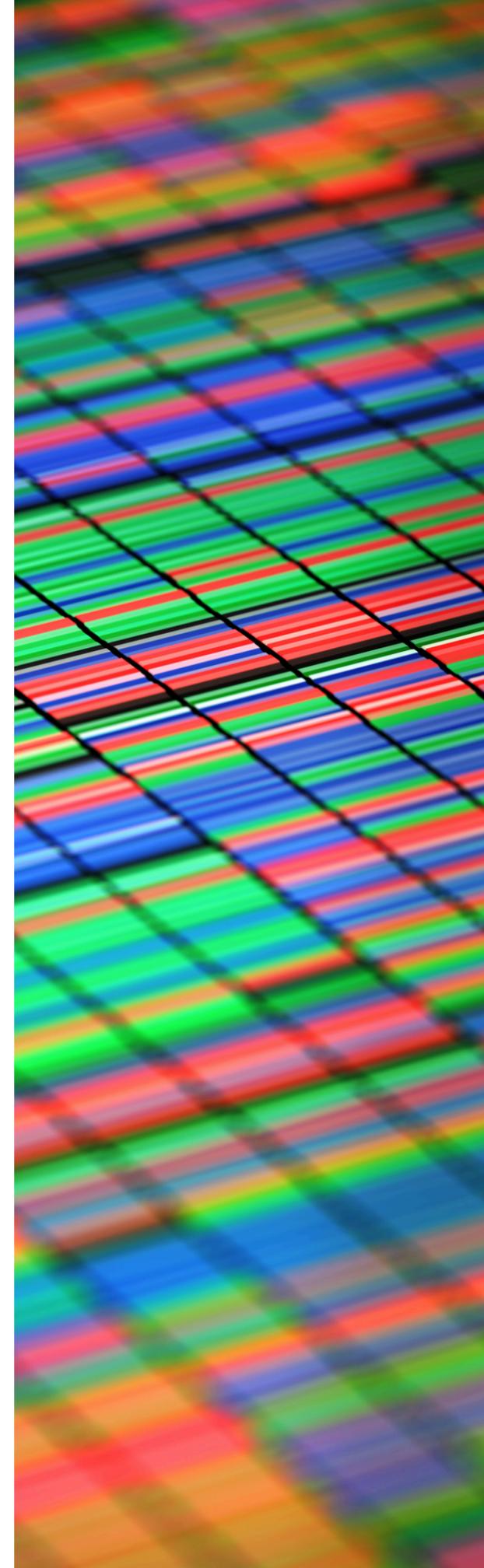
The facility also houses a 120-seat lecture theatre, two 60-seat seminar rooms and a 60-seat teaching laboratory as well as department offices, research laboratories and the University's Animal Health Laboratory.

For information on the Department of Pathobiology please visit: www.ovc.uoguelph.ca/pathobiology.

GRADUATE STUDIES

The Department of Pathobiology offers research-based MSc or PhD degrees to both veterinarians and non-veterinarians in all fields of study in the department. Veterinary specialty training is offered through DVSc and graduate diploma programs in anatomic pathology, clinical pathology, comparative pathology, laboratory animal science, fish disease, and zoo medicine/pathology.

Graduate students typically continue their career in a diversity of positions, including academia, the public sector in Canada (provincial and federal government) and abroad, private industry and laboratories, as well as in specialty practice.





RESEARCH AT THE ONTARIO VETERINARY COLLEGE

Researchers at OVC conduct innovative, collaborative research aimed at improving the health and well-being of animals, humans and ecosystems. This work covers a broad range of disciplines ranging from basic laboratory investigation to epidemiological field studies to applied clinical research in companion animals, food animals and wildlife to investigations in to veterinary medical communications and wellness within the veterinary and agricultural professions.

Our research strength stems from our collective expertise, collaborative partnerships, research infrastructure, patients, clients and supportive donors that enable us to sustain and grow a world-class research enterprise.

Some programs are categorized as core research or as globally recognized areas of research strength while others have been organized into virtual research institutes, such as the Institute for Comparative Cancer Investigation, the Centre for Public Health and Zoonosis or the Cardiovascular Centre.

Research at OVC is performed within a framework of the following guiding principles: Excellence, Uniqueness, Collaboration, Innovation, Communication and Training. Our faculty, staff and students play a significant role in our research success and we are pleased to share these successes:

<http://www.ovc.uoguelph.ca/research/en/aboutus/achievementsdiscoveries.asp>

PARTNERSHIPS

Faculty within the Department of Pathobiology play key roles in a number of strategic initiatives at the University of Guelph including the:

Animal Health Laboratory partners with the faculty in the Department of Pathobiology as the laboratory of choice for government and universities in Canada, for agriculture, food safety, and animal health testing. As a partner, they provide high-value laboratory services to the private sector in selected markets.

Canadian Wildlife Health Cooperative was founded in 1992 and has four main objectives: health surveillance, education, research, and management. This group spans across Canada and researchers collaborate to address various health issues associated with the wildlife health population. The post mortem results are entered into a national database, which provides researchers the opportunity to track the spread of various diseases.

Centre for Cardiovascular Investigations has broad interests that span the spectrum of cardiovascular medicine and science with a goal of understanding the mechanisms behind heart disease and to develop new therapies for the treatment of cardiovascular disease.

Centre for Public Health and Zoonoses was established in 2006 to recognize and build on the strong tradition of public health research and education at the University of Guelph. The role of CPHAZ is to coordinate existing public health research at the University of Guelph, create and support working relationships between researchers across disciplines, and advance education related to zoonoses and public health.

Institute for Comparative Cancer Investigation, which was launched in 2007, has the mission to broaden the scope of research and deepen our understanding of cancer. Collaborative researchers with the Institute span eight departments across the University including cancer biologists, veterinarians, chemists, mathematicians, computer scientists, toxicologists, psychologists, and others including from external organizations like the University of Waterloo and the University of Toronto.

Poultry Health Research Network, which is a multifaceted network of 38 experts who collaborate to solve basic and applied issues related to poultry health, production and welfare, as well as industry-relevant issues relating to the environment, food safety, and outreach.

Toronto Zoo collaborates closely with the Department of Pathobiology through its graduate program in Zoological Medicine and Pathology. The Doctor of Veterinary Science program is a clinical doctoral program unique to the OVC.

GRADUATE STUDIES AT THE ONTARIO VETERINARY COLLEGE

The Ontario Veterinary College is globally recognized for innovative research in Veterinary and Biomedical sciences, and is committed to high quality graduate training in basic and applied research.

The Ontario Veterinary College offers the following advanced degree programs:

Master of Biomedical Science (MBS)
Master of Clinical Studies (MCS)
Master of Public Health (MPH)
Master of Science (MSc)
Doctor of Philosophy (PhD)
Doctor of Veterinary Science (DVSc)
Graduate Diploma

Information about all of the graduate programs offered can be found at:
<http://www.ovc.uoguelph.ca/research/en/researchtrainingopportunities/graduateprograms.asp>

UNIVERSITY OF GUELPH

The University of Guelph is the largest employer in Guelph, a city of approximately 130,000 people, located about an hour drive west of Toronto, Ontario. University of Guelph is a top-ranked comprehensive university in Canada with an enrolment of about 28,000 undergraduate and graduate students across approximately 40 academic units. The University is known for its commitment to student learning, innovative research, and collaboration with world-class partners. It is a unique place, with transformative research and teaching and a distinctive campus culture. People who learn and work here are shaped and inspired by a shared purpose: To Improve Life. Reflecting that shared purpose in every experience connected to our university positions us to create positive change, here and around the world. Our University community shares a profound sense of social responsibility, a drive for international development, and an obligation to address global issues.

At the University of Guelph, fostering a culture of inclusion (<https://www.uoguelph.ca/diversity-human-rights/sites/uoguelph.ca.dhr/files/public/Inclusion%20Framework%20Endorsed%20April%202017.pdf>) is an institutional imperative. The University of Guelph is committed to an Employment Equity Program that includes special measures to address the underrepresentation of individuals from four designated groups (women, persons with disabilities, Indigenous peoples, and members of visible minorities/racialized groups) within its allocation of Canada Research Chairs. The university especially seeks and prioritizes applications from qualified applicants from these four groups. We encourage applicants to

self-identify within their letter of intent in their application and through the confidential Applicant Tracking Questionnaire (https://uoguelph.eu.qualtrics.com/jfe/form/SV_732X5JGRdroaLjtj). To be considered a priority applicant, self-identification data must be provided. Learn more about the University's Equity, Diversity, and Inclusion Action Plan for the CRC Program. Canadians and permanent residents will be given priority.

The University recognizes that applicants may have had obligations outside of work that have negatively impacted their record of achievements (e.g., parental, elder care, and/or medical). You are not required to disclose these obligations in the hiring process. If you choose to do so, the University will ensure that these obligations do not negatively impact the assessment of your qualifications for the position.

If you require a medical accommodation during the recruitment or selection process, please contact Occupational Health and Wellness at 519-824-4120 x52674.

The University of Guelph acknowledges the Attawandaron people on whose traditional territory the University of Guelph resides and offer our respect to our Anishinaabe, Haudenosaunee and Métis neighbours as we strive to strengthen our relationships with them.

Learn more: www.uoguelph.ca/facultyjobs

UNIVERSITY
of GUELPH

IMPROVE LIFE.

Ontario Veterinary College
University of Guelph
50 Stone Road, Guelph, ON Canada N1G 2W1
T. 519.824.4120
www.ovc.uoguelph.ca

