

# DEPARTMENT OF PATHOBIOLOGY

Ontario Veterinary College  
University of Guelph

Pathobiology -  
Animal Health Laboratory



# CHAIR IN THE DEPARTMENT OF PATHOBIOLOGY

The Ontario Veterinary College (OVC) invites applications for the position of Chair, 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 interests of our faculty range from basic understanding of the mechanisms of disease caused by a wide range of agents (including emerging and zoonotic pathogens) and conditions, to protective and pathological responses to infectious organisms. The department offers advanced training in diagnostic anatomic, clinical, and comparative pathology, as well as research training in bacteriology, disease ecology, immunology, pathology, parasitology, and virology.

An in-depth profile of the department and its resources can be found at:  
[www.ovc.uoguelph.ca/pathobiology](http://www.ovc.uoguelph.ca/pathobiology)

To be considered for this role, candidates must possess a PhD (or equivalent) and be able to demonstrate success as an educator and researcher in a field related to the department's programs and activities. A doctor of veterinary medicine (or equivalent degree) is preferred. Experience working within a veterinary or medical environment will be considered as essential. Candidates should show evidence of a sustained research program funded by tri-council agencies or from equally prestigious funding agencies outside of Canada and/or in-depth experience as an educator as evidenced by curricular innovation and peer-reviewed contributions or achievements in pedagogy.

The Chair is responsible for the effective, efficient, and collegial operation of the Department. As such, applicants should highlight their experience in human and financial resource management and show tangible evidence of their ability to engage faculty, staff, and students in developing and implementing new initiatives.

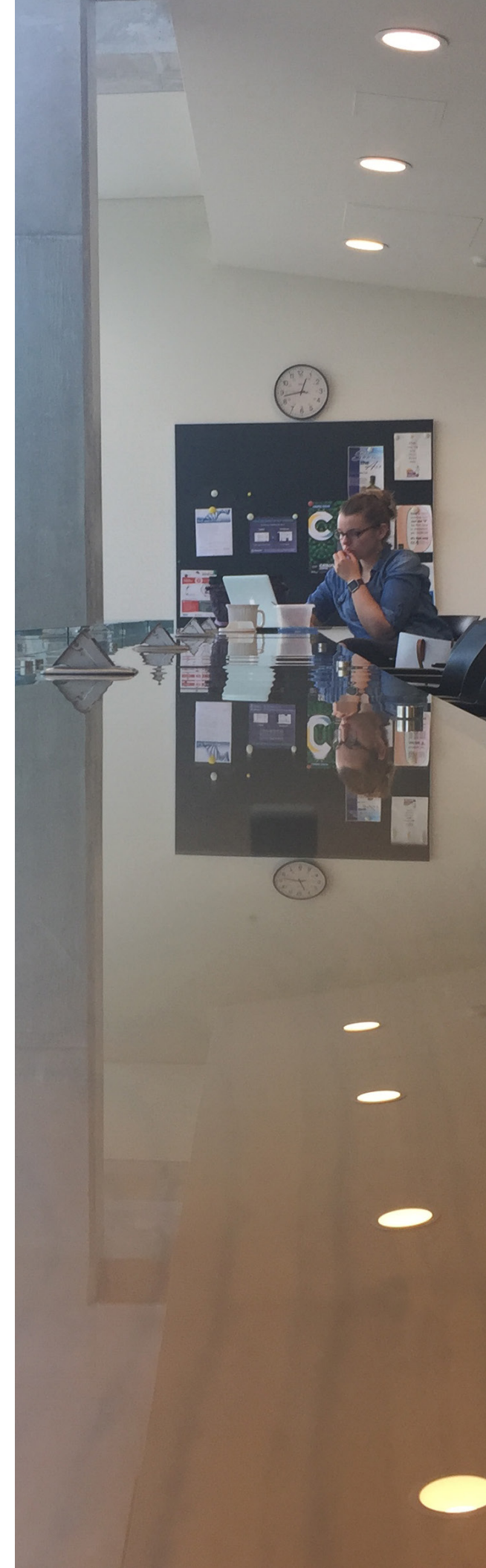
Our ideal candidate will possess these attributes and provide evidence that they are a successful and collaborative leader with strong communications skills. We are looking for a leader with a vision that will set the stage for innovative research, learning, and teaching within the department and will be able to build effective relationships within the University of Guelph and with external groups. The appointment will be for a five-year term, with the possibility of renewal for another five years.

The appointment will be tenured at the rank of Associate Professor or Professor. Applications must include a detailed curriculum vitae, the names of at least three referees and a statement of interest in the position.

The deadline date for applications is **October 2, 2017**.

Applications should be submitted to: Dr. Jeffrey Wichtel, Professor and Dean, OVC, 50 Stone Road East, University of Guelph, Guelph, ON, Canada N1G 2W1 or by email to: [ovcdean@uoguelph.ca](mailto:ovcdean@uoguelph.ca)

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.



# 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 care givers 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, cross-species approach to diagnostics, epidemiology, and preventive medicine to provide comprehensive, global solutions.





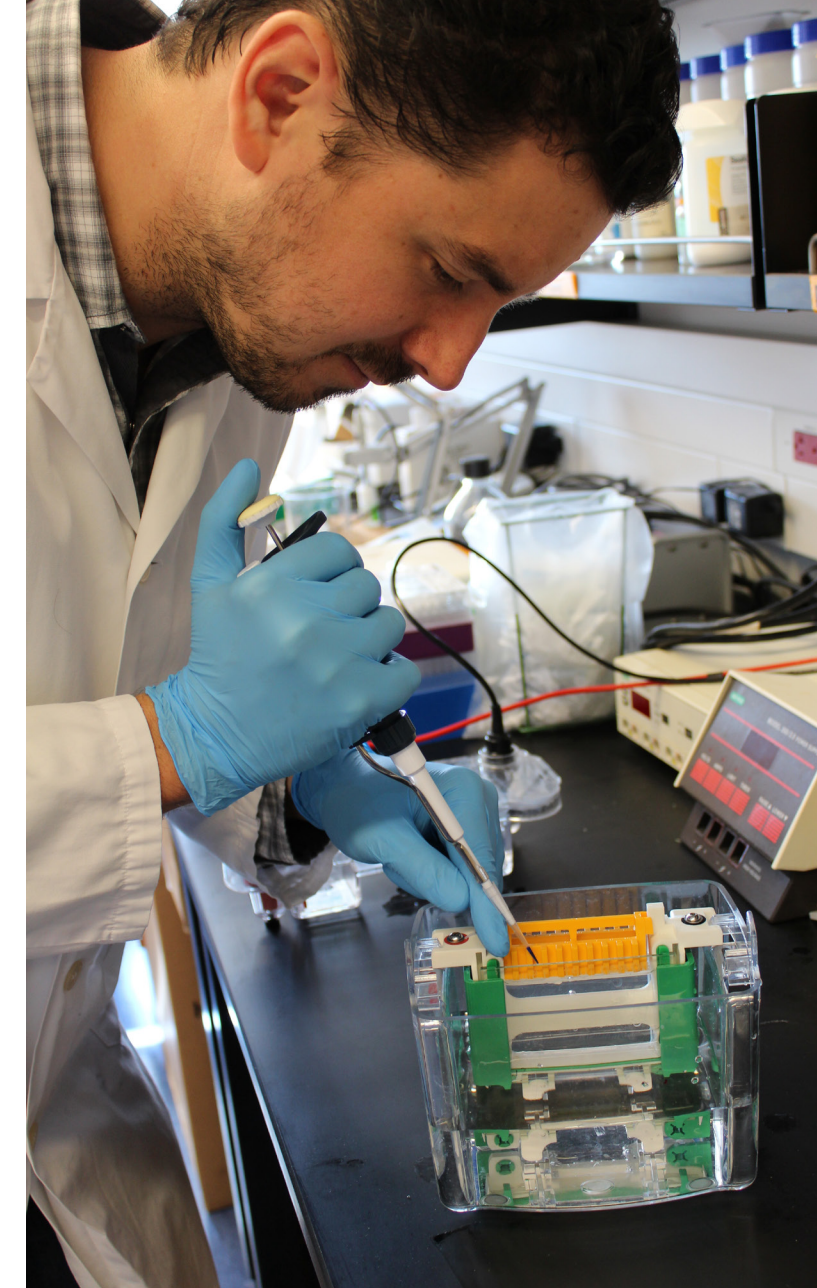
## ABOUT THE DEPARTMENT OF PATHOBIOLOGY

Research in the Department of Pathobiology 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, clinical, and comparative 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 new Pathobiology/Animal Health Lab building (built in 2010) located on the University of Guelph's main campus in the heart of the City of Guelph.

The building provides excellent opportunities for scholarly collaborations. It is well-equipped with shared laboratories and state-of-the-art equipment for flow cytometry, fluorescence microscopy, quantitative PCR, next-generation sequencing, 2D gel electrophoresis, laser capture microdissection, and tissue microarray.

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.



## 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, TEACHING AND SERVICE

## March 2017:

25 Tri-council research grants - \$5,978,621  
88 Research grants from other sources - \$11,242,166  
98 graduate students (advisor or co-advisor in Pathobiology)  
163 peer-reviewed publications (2015-16)  
View research listing: <http://bit.ly/PathobiologyResearch>

## Summary of teaching:

Faculty in the Department of Pathobiology teach in over 30 veterinary, undergraduate and graduate courses, and are engaged in curricular development. Pathobiology faculty are frequent recipients of teaching awards.

## Summary of professional involvement:

Departmental faculty are highly engaged with their professional organizations and include the Editors-in-Chief of "Veterinary Pathology" and the "Canadian Journal of Veterinary Research", an Associate Editor of "Veterinary Immunology and Immunopathology", and the Presidents elect of the American College of Veterinary Pathologists and the World Veterinary Association.

# 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 (CPHAZ)** 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.

A photograph of the University of Guelph campus, showing a large, multi-story building with a prominent clock tower, situated on a hillside surrounded by dense green trees. The sky is blue with scattered white clouds. In the foreground, there is a grassy area and a paved road.

## UNIVERSITY OF GUELPH

When you are building an academic career, you want to be part of an educational institution that values both your unique expertise and your personal aspirations. Many scholars and researchers have found those qualities at the University of Guelph in addition to high-quality and diverse programs, exceptional faculty colleagues, talented students, and the academic reputation that make Guelph one of the top comprehensive universities in Canada.

Located in southwestern Ontario about an hour's drive from Toronto, Guelph is a university with long traditions and ambitious goals. We are leaders in advancing healthy animal and human systems, environmental sustainability, biodiversity, and food and water quality. Few institutions in the world have such a deep understanding of the life sciences or how commerce and culture have impacted our concept of life.

Guelph also has a reputation for excellence in teaching and is the only Canadian university designated as a national centre for advancing supplemental instruction. In the annual University Report Card survey, which appears in the Globe and Mail, students routinely give Guelph "straight A's" for overall quality of the educational experience and for student services.

All of this makes for a dynamic and exciting academic and learning environment at the University of Guelph.

Learn more: [www.uoguelph.ca/facultyjobs](http://www.uoguelph.ca/facultyjobs)

**“We have the opportunity and responsibility to improve the lives of individuals, our communities and the world around us. That’s important. That’s exciting. Let us take what is best about the University of Guelph and share it around the world.”**

~ President Franco Vaccarino.



IMPROVE LIFE.

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