

Position:

ASSISTANT OR ASSOCIATE PROFESSOR, LARGE ANIMAL SURGERY

UNIVERSITY
of GUELPH

DEPARTMENT OF CLINICAL STUDIES

Ontario Veterinary College
University of Guelph



ASSISTANT / ASSOCIATE PROFESSOR

The Department of Clinical Studies, Ontario Veterinary College (OVC), is seeking applications to fill two (2) tenure-track faculty positions in Large Animal Surgery at the rank of Assistant or Associate Professor.

The ideal candidate for each position should have strong skills in the clinical practice of large animal surgery and lameness and outstanding teaching and communication skills. An interest and capacity to provide outstanding service to clients and referring veterinarians and work with others in a collegial team atmosphere is essential. Experience in research and scholarly activity is required.

The successful candidate will work with three other full time large animal surgeons to provide clinical, laboratory and didactic instruction in large animal surgery to veterinary students, interns, residents, and graduate students. The successful candidates will have most of their effort dedicated to clinical teaching and service for large animal surgery patients in the OVC Health Sciences Centre, including participation in out-of-hours emergency duty equitable with the other members of the section. The balance of the distribution of effort will be focused on scholarly activity, including research and graduate student supervision, and administrative/professional service.

The caseload at the OVC Large Animal Hospital is primarily equine (90%) with some bovine, small ruminant, porcine and camelid patients. The Department of Clinical Studies and the OVC Health Sciences Centre (OVC HSC) has a full spectrum of specialists available for consultation and/or support and the surgery service is supported by three surgery residents, 1 surgery intern and seven rotating interns. The faculty and staff of the Department of Clinical Studies and the OVC HSC are committed to delivering the best patient care in a "state of the art" facility including but not limited to a 1.5 Tesla high field General Electric MRI, and both a 16 slice and a large animal cone beam CT (Pegaso).

Position 1: The applicant must have a DVM or equivalent veterinary professional degree, must be licensed or eligible for licensure to practice in the Province of Ontario, must be a Diplomate of the American or European College of Veterinary Surgeons, and have demonstrated a solid line of research. Candidates for position #1 must hold a post-graduate degree (PhD, DVMSc, MSc).

Position 2: The applicant must have a DVM or equivalent veterinary professional degree, must be licensed or eligible for licensure to practice in the Province of Ontario, and ideally be a Diplomate of the American or European College of Veterinary Surgeons, but ACVS board eligible candidates may be considered. A post-graduate degree (PhD, DVMSc, MSc) is preferable, however demonstrated research activity is acceptable.

Application Process:

Assessment of applications will begin on **February 1, 2022** and will continue until the position is filled. Interested applicants should submit the following materials (preferably as a single PDF file): (1) a cover letter, (2) a curriculum vitae, and the names of at least three referees. Applications should be sent to the attention of:

Chair
Department of Clinical Studies
Ontario Veterinary College
University of Guelph
Guelph, Ontario, N1G 2W1

Email: searchov@uoguelph.ca

All qualified applicants are encouraged to apply; however, 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.

The University of Guelph resides on the ancestral lands of the Attawandaron people and the treaty lands and territory of the Mississaugas of the Credit and we offer our respect to our Anishinaabe, Haudenosaunee and Métis neighbours as we strive to strengthen our relationships with them. At the University of Guelph, fostering a culture of inclusion (<https://uoguelph/ox2p9>) is an institutional imperative. The University invites and encourages applications from all qualified individuals, including from groups that are traditionally underrepresented in employment, who may contribute to further diversification of our institution.

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



ABOUT THE DEPARTMENT OF CLINICAL STUDIES

The Department of Clinical Studies' vision is to be world leaders in the advancement, application and instruction of knowledge within the field of veterinary medicine. At present, there are 46 faculty, 5 staff, 56 graduate students and 15 interns who work in the Ontario Veterinary College's Clinical Studies Department.

Currently, the Department of Clinical Studies offers clinical veterinary medical training and research in internal medicine, surgery, diagnostic imaging, anesthesiology, cardiology, neurology, ophthalmology, oncology, emergency and critical care and clinical nutrition.

In 2021, OVC's program will expand to include new approaches to community healthcare through the Kim and Siu Lang Community Healthcare Partnership Program. The program will impact training of the next generation of veterinary leaders: expand

opportunities for student experiential learning in community medicine; enhance community partnerships; promote a One Health approach to the provision of health services for vulnerable animals and those who care for them; and increase our research capacity to inform best practices and policy and ultimately influence societal change.

OVC's Mission: Educate veterinarians and scientists, create new knowledge and provide expert services to improve the health of animals, people and the environment.

The Ontario Veterinary College provides experiential learning opportunities to student veterinarians and veterinary specialists within the OVC Health Sciences Centre (OVC HSC). From the first year of the Doctor of Veterinary Medicine (DVM) program, students gain real life experience with animals and clients. Each year the OVC HSC manages more

than 20,000 patient visits. During this time, faculty members work closely with student veterinarians to help them develop the foundational clinical skills required for their future careers as medical professionals. The college also attracts graduate students from around the world to learn cutting-edge skills and techniques, work with leading technologies and train with world-renowned researchers within veterinary specialties such as surgery, pain management and anesthesiology, cardiology and internal medicine.

On top of being a teaching hospital, the OVC HSC also functions as a full-service referral hospital for Ontario animal owners. Our faculty and board-certified specialists offer expertise in primary care, large and small animal surgery, large and small animal medicine, anesthesiology, avian and exotics, cardiology, diagnostic imaging, neurology, ophthalmology, oncology, emergency and critical care, rehabilitation and clinical nutrition.

Overall, about 50 percent of our patients require some type of surgery or minimally invasive procedure to diagnose or treat their condition. And nearly 75 per cent of patients undergo anesthesia for a specialized procedure such as advanced imaging or endoscopy.

OVC Companion Animal Hospital: In 2021, OVC will complete the construction of New Surgery and Anesthesia facilities which features seven advanced surgical suites, leading-edge anesthesiology, pain management and recovery units; a minimally invasive procedure suite and two advanced endoscopy suites. Construction to upgrade OVC's Critical Care Unit and specialty service pods will commence later this year.

OVC Large Animal Hospital: Some of the dairy industry's best breeding stock, prize racehorses and pet ponies have been treated at our Large Animal Clinic. Our team treats about 1,700 patients annually. The Ruminant Field Service provides emergency and health management service to dairy, beef, sheep and goat client farms. A core of clinicians and graduate students provide year round service to sick animals requiring emergency care and on-farm surgeries as well as herd health visits for monitoring productivity and health, reproductive

performance and preventative health care programs.

Hill's Pet Nutrition Primary Healthcare Centre (OVC PHC): Since 2010, this full service primary healthcare hospital has served as a learning centre for student veterinarians. Learning outcomes include preventive and general medicine with nutrition, animal welfare and behaviour, public health, rehabilitation, and communication.

Mona Campbell Centre for Animal Cancer
When the Mona Campbell Centre for Animal Cancer opened in 2012 it was the only comprehensive centre of its kind in Canada. The centre offers the latest diagnostic and treatment procedures, including a linear accelerator for sophisticated radiation therapy and research to benefit both animals and people.

Equine Sports Medicine and Reproduction Centre: This facility provides much needed space for the development of clinical expertise and research to support the multi-billion-dollar equine industry.

GRADUATE STUDIES

The Department of Clinical Studies offers two Masters options. Masters students may choose between a coursework plus a major research project/paper Master of Science (MSc), or a thesis-based MSc. Veterinary specialty training is offered through the Doctor of Veterinary Science (DVS) program.

The DVS program requires the completion of residency hours, a qualifying exam and the defense of a research-based thesis.

Graduate students work in a facility with well-equipped and shared laboratories and state-of-the-art equipment such as: CT, MRI, Pulmonary Function Test, Dynamic and Static Airway Endoscopy, High Speed Treadmill, and Surgical Suites.

Graduate students typically continue their career in a diversity of positions including academia, veterinary and specialty veterinary medicine and clinical research.



ABOUT THE LARGE ANIMAL FACILITIES AT OVC

Large Animal Facilities

As part of the Health Sciences Centre (HSC) at the Ontario Veterinary College (OVC), the OVC Large Animal Hospital serves as a teaching hospital that is a training base for undergraduate and graduate learners in veterinary science and veterinary medicine at the University of Guelph. Its central location in South Western Ontario is ideal for researchers to collaborate with producers and equine professionals alike, and it is just steps away from the Ontario Ministry of Agriculture and Food.

Over the past five years OVC's Large Animal caseload has increased by more than 100%. Approximately 50% of cases are emergency in nature.

The HSC includes a fully equipped 24/7 Large Animal Hospital, a Large Animal Isolation facility, and an Equine Sport Medicine and Reproduction Centre with an indoor sport-medicine arena.

The hospital is equipped with state of the art equipment, including:

- Nuclear scintigraphy (bone scan)
- MRI (1.5T)
- Two CT scanners:
- 64-slice CT scanner (GE Brightspeed)
- Pegaso CT
- Ultrasound
- Digital radiography, PACS system, and fluoroscopy
- Rigid and flexible videendoscopy equipment (Storz, Olympus, Fujii), supported by EndoSoft video management.
- Electrodiagnostic testing (Cadwell Sier-ra Wave)
- Locking plates (LCP) equipment
- LigaSure and EnSeal intraoperative hemostatic sealing devices
- Cavitrion ultrasonic aspirator (CUSA)

Supporting Services

- Diagnostic imaging (3 ACVR diplomates)
- Neurology (3 ACVIM (Neurology)/ECVN diplomates)

- Theriogenology (1 ACT diplomate)
- Ophthalmology (1 ACVO diplomate)
- Anesthesia (5 ACVAA diplomates)
- Large Animal Medicine (4 ACVIM-LA diplomates)
- Sports medicine (1 ACVSMR diplomate)

Research Funding Opportunities

OVC has a robust internal competition through Equine Guelph for research funding designed to promote the health and welfare of horses in Ontario by conducting research into diseases and common problems in horses and by communicating effectively the findings to the scientific communities and equine industry. On an annual basis Equine Guelph allocates funding for research competitions with an annual average value of \$250,000 - \$300,000.

Graduate Student Funding Opportunities

There are currently 23 Large Animal Interns and five Large Animal resident positions at OVC.

The OVC Scholarships and Fellowships Program, funded by the Government of Ontario, provides competitive stipend support for select high caliber full-time thesis-based Master's and PhD students. This program builds on existing funding sources for graduate training (e.g. funds from research grants, external scholarship programs etc.) in order to promote graduate student growth at OVC. To address the extraordinary national opportunities for veterinarians, OVC provides fellowships to well-qualified DVM graduates with excellent academic records in any of the following broad fields of graduate studies: Biomedical Toxicology and Pharmacology, Reproductive Biology, Developmental, Cell and Tissue Morphology, Immunology, Epidemiology, Pathology, Food Safety, Comparative Pathology, Veterinary Infectious Disease, and Laboratory Animal Science. Successful students are chosen based on the consideration of academic excellence, research potential, and professional and relevant extracurricular interactions and collaborations.



ABOUT THE ONTARIO VETERINARY COLLEGE

Established in 1862, the University of Guelph's Ontario Veterinary College (OVC) 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. Approximately one-third of veterinarians in Canada have graduated from the Doctor of Veterinary Medicine (DVM) program at OVC.

As one of the founding colleges of the University of Guelph, OVC is the only veterinary college in Ontario, and 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.

OVC has a long history as a resource to find solutions to complex health issues to advance the health of animals, people and the environment. OVC is ranked by Quacquarelli Symonds as first in Canada, third in North America and in the top five worldwide for veterinary science.

Today, the college is home to 112 faculty 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. OVC is also home to 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 (DVS) 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.



RESEARCH AT THE ONTARIO VETERINARY COLLEGE

Innovative and collaborative research at OVC aims to improve health for animals, humans and environment. This work covers a broad range of disciplines including: basic laboratory investigation, epidemiological field studies, applied clinical research in companion animals, food animals and wildlife, investigations into 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.

We are internationally recognized for our expertise in One Health and host a number of related research centres, networks and institutes, including the following: The Institute for Comparative Cancer Investigation, The Centre for Public Health and Zoonosis, The Centre for Cardiovascular Investigations, The Comparative and Regenerative Medicine Network, Dairy at Guelph, The Poultry Health Research Network, and The Ontario Swine Research Network.

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:

RESEARCH FUNDING IN THE DEPARTMENT OF CLINICAL STUDIES (JANUARY 2021):
100+ active grants
\$3,500,000+ million dollars in funds
60+ graduate students
55+ published articles
650+ article citations

Research listing can be viewed here: <http://bit.ly/OVCClinStudiesResearch>

PARTNERSHIPS

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

Animal Health Laboratory (AHL)

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 postmortem results are entered into a national database, which provides researchers the opportunity to track the spread of various diseases.

Comparative and Translational Regenerative Medicine Network (RM@G)

is a cross-disciplinary research network within the University of Guelph (U of G). This network acts as a platform to promote collaborative work among U of G faculty members (19) conducting research within the emerging research areas of stem cells, tissue-engineering and regenerative. RM@G combines forefront research with veterinary patient clinical care and pre-clinical animal models that can then be translated for use in human clinical care. The main goal is to further the development of novel therapeutics for conditions that presently lack sufficient treatment options in humans and companion animals.

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.

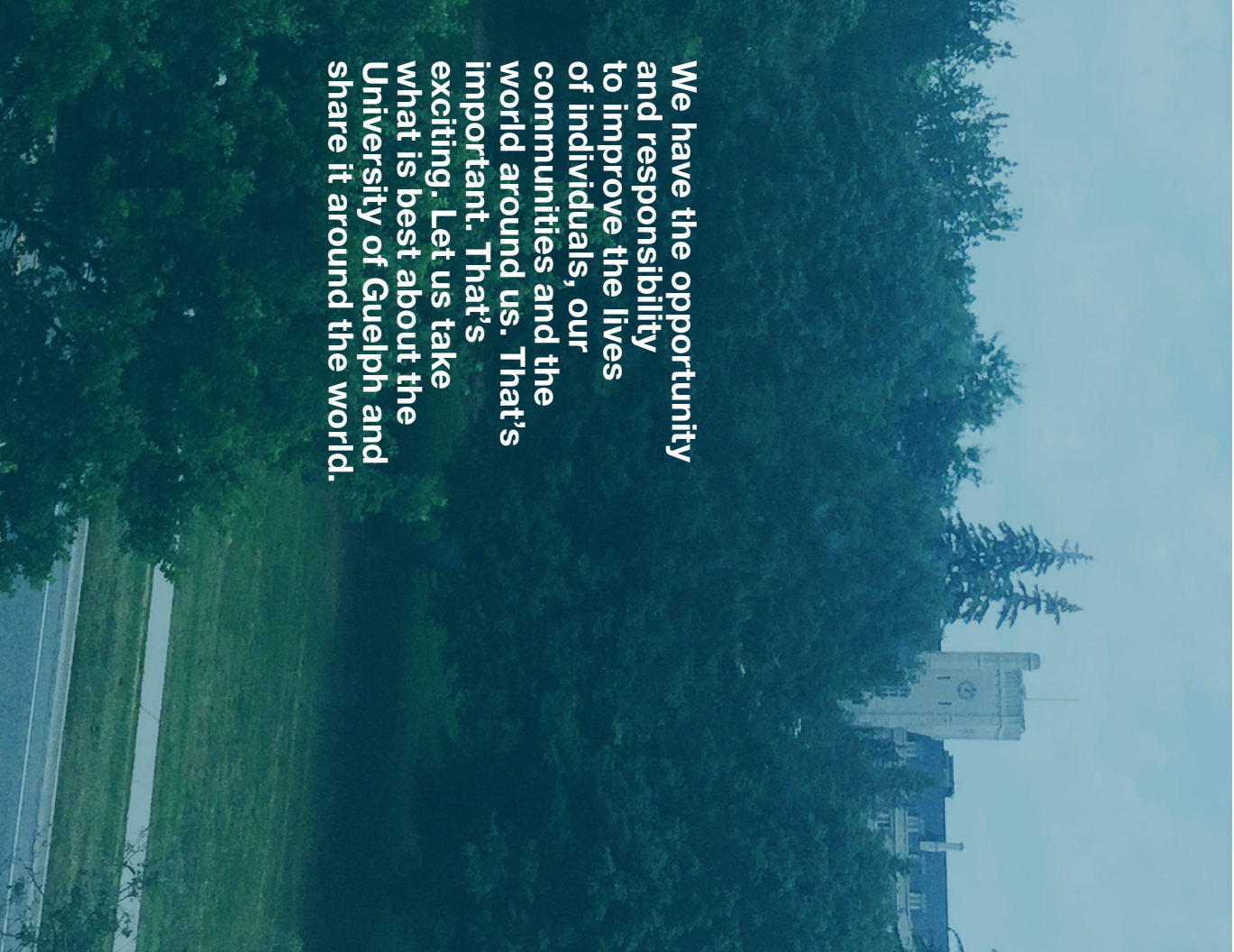
Centre for Public Health and Zoonoses (CPHAZ)

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

Toronto Zoo collaborates closely with the Department of Clinical Studies through its graduate program.



**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.**

UNIVERSITY OF GUELPH

The University of Guelph is the second 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 30,000 undergraduate and graduate students across over 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.

Learn more: www.uoguelph.ca/facultyjobs

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