A 3-year PhD position is available in the Department of Pathobiology, University of Guelph, starting May or Sept 2022 under the supervision of Dr. Courtney R. Schott. The lab focuses on investigating mechanisms of metastasis and chemoresistance in osteosarcoma, a malignant bone cancer of dogs and humans. This research project will investigate the role of autophagy in osteosarcoma progression using expression patterns of autophagy related proteins to guide *in vitro* experiments.

This project involves cell culture, *in vitro* assays, *in vitro* drug studies, immunohistochemistry, automated image analysis, and western blot. Additional opportunities will arise depending on the trajectory of the research.

The stipend for this program is $28,000 CAD per year, and opportunities to increase the stipend can be pursued, depending on the candidate’s academic performance. The funding available for this position requires a Canadian applicant. Additional funds will be sought by the applicant through various scholarships, which may be available through the Ontario Veterinary College or other opportunities, such as Natural Sciences and Engineering Research Council (NSERC) and Ontario Graduate Scholarship (OGS). Please contact Jessie Beer (contact information below) for details.

Applicants must possess a relevant graduate qualification and meet the academic standards for admission to the Faculty of Graduate Studies at the University of Guelph. Candidates who meet the admission requirements ([https://ovc.uoguelph.ca/pathobiology/phd-program](https://ovc.uoguelph.ca/pathobiology/phd-program)) are invited to send their initial submission of: (1) full curriculum vitae, (2) a cover letter with a statement of goals and an explanation of their motivation for applying to this program, and (3) transcripts to Dr. Courtney R. Schott by email (cschott@uoguelph.ca). Review of applications will begin immediately and continue until the position is filled. Three letters of reference will eventually be required for the formal application.

General inquiries about graduate studies in the Department of Pathobiology should be directed to Jessie Beer, Graduate Program Assistant, Ontario Veterinary College, University of Guelph, Guelph, Ontario, N1G 2W1, Canada (phone: 519-824-4120 ext. 54725; e-mail: pathgrad@uoguelph.ca) or may be answered by visiting [https://ovc.uoguelph.ca/pathobiology/graduate-studies](https://ovc.uoguelph.ca/pathobiology/graduate-studies).