A PhD or MSc position is available in the laboratory of Dr. Jeff Caswell (http://ovc.uoguelph.ca/pathobiology/faculty/jeff-caswell-0), Department of Pathobiology, Ontario Veterinary College, University of Guelph. The research project will investigate host-pathogen interactions in Mycoplasma bovis pneumonia of beef cattle. Mycoplasma bovis pneumonia has recently emerged as a major cause of disease and death in Canadian feedlot beef cattle. The project uses in vitro and in vivo studies to evaluate host-pathogen interactions in the pathogenesis of Mycoplasma bovis infection, focusing on regulation of the balance between those responses that control infection vs those that cause lung damage and severe disease. A second component investigates the nature and pathogenesis of an emerging form of lung disease in beef cattle, associated with Mycoplasma bovis infection. The findings are expected to lead to improved methods for control of this disease.

The starting date is January 2019 or until a suitable applicant is identified. Information on how to apply is available at: https://www.uoguelph.ca/graduatestudies/apply Potential applicants should contact Dr. Jeff Caswell (jcaswell@uoguelph.ca) for more detailed information.

Further information and detailed instructions for application are available from the graduate program assistant, Ms. Donna Kangas Department of Pathobiology, Ontario Veterinary College, University of Guelph, Guelph, Ontario, Canada N1G 2W1; email pathgrad@uoguelph.ca; phone (519) 824 4120, Ext. 54725.

The University of Guelph is committed to an Employment Equity Program that includes special measures to achieve diversity among its faculty and staff. We therefore particularly encourage applications from qualified aboriginal Canadians, persons with disabilities, members of visible minorities, and women.