

PhD position: grazing, soil microbes & GHG, Edmonton, AB

We are seeking a PhD student for a new project examining the relationship between grazing, soil microbes and greenhouse gas emissions in Alberta's grasslands. The successful candidate will be co-supervised by Drs. Cameron Carlyle and Edward Bork (Dept. of Agricultural, Food and Nutritional Science) and work with a team that includes a soil scientist, microbial ecologist, rangeland managers, other graduate students and postdocs at the University of Alberta, Edmonton, Canada. A stipend (minimum \$21,000/year) is available for three years and additional funds will be sought. The project is funded by the Alberta Livestock and Meat Agency, Ltd.

Candidates should be highly motivated, enthusiastic and have a minimum of an MSc in biology, ecology, rangeland science, soil science, microbial ecology, environmental science, or related field. The development of new research questions with supervisors will be encouraged and supported. This is a new component of an ongoing study examining the role of grazing in affecting carbon storage in grasslands that includes detailed plant and soil information, measures of decomposition and microbial enzyme activity. Some of the study sites are on privately held land, thus the ability to communicate effectively in English with a diverse group of people is essential. Extensive field work throughout the province will be required during the summer under sometimes adverse conditions (i.e. weather, bugs) and long field days and a flexible schedule will be required. A valid driver's license and clean driving record is mandatory. Candidates must meet the university's entrance requirements:

<http://www.afns.ualberta.ca/en/Graduate/DoctorofPhilosophy.aspx>

The position can begin immediately but no later than May 2015. Interested individuals should send questions or a cover letter with research interests, a resume describing relevant education, work experience and the names of references to:

Dr. Cameron Carlyle cameron.carlyle@ualberta.ca, (780) 492-2546 or
Dr. Edward Bork, edward.bork@ualberta.ca, (780) 492-3843