Postdoctoral Fellowship

Department of Biological Sciences, University of Alberta

Livestock Grazing Influences on Ecology, Soil Carbon, and Biodiversity on Canada’s Great Plains

The Postdoc will be responsible for synthesis of data and compilation of results for a 5-year project on carbon sequestration and storage under alternative grazing regimens in the Canadian Great Plains of Alberta, Saskatchewan and Manitoba. Field data have been collected during the past two field seasons on 60 livestock-grazing ranches across the northern Great Plains to evaluate alternative grazing practices, with particular focus on adaptive multi-paddock grazing. All data collected by our field team will be available for analysis and synthesis including ranch management, soil cores analysed for carbon, plot data on plant composition and diversity, greenhouse gas exchange, microbial analysis, and avian ecology. Background in grassland ecology preferred. Two-year fully funded postdoc starting in January 2019 with residence in Edmonton required. Contact Professor Mark S. Boyce, Department of Biological Sciences, University of Alberta, Edmonton T6G 2E9 boyce@ualberta.ca, 780-492-0081 or Allison Dunlop, Lab Coordinator, adunlop@ualberta.ca, 780-492-9225.