Post-doc in Landscape ecology and biodiversity in Canadian Prairie agroecosystems

We have a two-year postdoctoral position to support our investigation of ecosystem service delivery in Canada’s Prairies. Our lab (http://ecologics.ucalgary.ca) is animated by recent findings that land sharing practices in agricultural landscapes have the potential to improve both crop yields and conservation outcomes, representing a “win- win” for biodiversity and farmers. We are also part of a network of researchers assessing the status of biodiversity and services provided by arthropods and birds across this vast agricultural region. The position is supported by University of Calgary’s prestigious Eyes High Postdoctoral funding program.

As a postdoctoral scholar joining this team, you will be capable of applying your computational and analytics skills to several “big” spatial data sets that we have collected. These include precision agricultural yield data and an occurrence database for pollinators and other beneficial arthropods. Ideally your research background will be in a related discipline such as landscape ecology, quantitative ecology, environmental science, remote sensing, or spatial statistics. However, we will also consider candidates with data science skills as applied to any discipline who are motivated to pursue ecological, agricultural and spatial questions. Strong programming skills (e.g. in R) and successful application of advanced statistical models are key qualifications. Collegiality and evidence of strong written and oral communication skills are also essential. Familiarity with Bayesian modelling (e.g. in Stan or JAGS), GIS, and remote sensing methods are assets, but not requirements.

Apply to PAUL GALPERN (pgalpern@ucalgary.ca). Send a cover letter expressing: (1) qualifications; and, (2) preparedness to begin this appointment as soon as possible but no later than August 31st, 2019. Please also forward: (3) a CV; and (4) one or more research products providing evidence of your abilities in written English communication and advanced statistical modelling. If possible, please combine all documents into a single PDF and include as an email attachment. Candidates selected for interview will be asked to provide the names and contact information for two academic references.

We will begin to review applications on October 24, 2018, but will continue to accept applications until the position is filled. This two-year position is to be supported by the University of Calgary’s Eyes High Postdoctoral Funding (http://ucalgary.ca/research/postdoc) and will be based in Calgary, Alberta. Candidates must commence the appointment within five years of being awarded their PhD degree. Applications from both international candidates and Canadian citizens are encouraged. For more information, don’t hesitate to contact Paul!

The University of Calgary is Canada’s leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude. Located in the nation’s most enterprising city, the university is making tremendous progress on its Eyes High journey to be recognized as one of Canada’s top five research universities, grounded in innovative learning and teaching and fully integrated with the community it both serves and leads. The University of Calgary inspires and supports discovery, creativity and innovation across all disciplines.