

Post-doctoral Fellow In Terrestrial Mammal Applied Ecology University of Victoria and InnoTech Alberta

The **Applied Conservation Macro Ecology Lab**, a partnership between InnoTech Alberta (Alberta's R&D Agency) and the University of Victoria, is accepting applications for a post-doctoral fellow. The PDF will be based in Victoria and co-supervised by Dr. Jason T Fisher in the School of Environmental Studies, and Dr. Brad Anholt in the Biology Department.



The PDF will help execute the *Wildlife CAMERA Project*, a 4-year research project examining the effects of landscape change, climate change, landscape management, and predator control on mammal communities across western Canada's boreal forest and mountain chains. The project capitalizes upon substantial existing data from several landscape-scale camera arrays, offering opportunities for quick early publications. We are deploying several additional camera arrays to capture gradients of change and management. The PDF will help the project PIs design and execute the project, provide scientific oversight, create innovative questions, conduct statistical analyses, and write multiple scientific publications. The PDF will play a mentorship role for a team of Ph.D. and M.Sc. students working on similar questions, and will collaborate with other academic, government, and industry researchers.



Density estimation using spatial-recapture modelling will weigh heavily in analysis, so we are seeking someone with experience in Bayesian hierarchical analysis, preferably with experience in SCR. Nonetheless the questions we ask are diverse and will span individual behavior, species activity patterns, species co-occurrence, predator-prey and competition relationships, and community ecology. Examples of past and ongoing research can be found at <http://jasontfisher.ca>.

The candidate will have exceptional demonstrated analytical skills using R (and preferably software for implementing Bayesian analysis), a well-rooted knowledge of mammal ecology, an interest in applied science, and ability to work across academia and other sectors. The position is for one year, with an extension for a second year pending success in the first. The PDF salary is \$65,000 / yr, and the applicant is expected to apply for external funding to help support the position (though the position is not contingent upon success).

Please provide a CV, two of your best publications, names of three references, and a statement (1-page maximum) of short- and long-term career goals. Position open until filled. Submit your inquiries or application to Jason.fisher@innotechalberta.ca. The ACME Lab strongly believes that diversity generates the best science, so encourages inquiries from scientists of all backgrounds and orientations.