

## CURRICULUM VITAE

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### **BARRY G. ROBINSON**

PhD Student  
Department of Biological Sciences  
University of Alberta  
Edmonton, AB

#### EDUCATION

- 2009 MSc, Ecology, University of Alberta, Edmonton
- 2005 Bachelor of Natural Resource Science (with honours), Thompson Rivers University, Kamloops

#### RESEARCH INTERESTS

The demographic and behavioural influences that predators and prey have on each other and how these interactions shape ecosystem function. How prey availability affects prey selection, habitat use, and recruitment of predators and the foraging-predator avoidance trade-offs made by prey and other non-consumptive effects of predators.

#### RESEARCH EXPERIENCE

- 2009-Present      **PhD student**, University of Alberta; managing a field study examining the breeding behaviour and foraging ecology of Arctic peregrine falcons in Nunavut
- 2006-2009        **MSc student**, University of Alberta; managed a field study examining habitat use and antipredator behaviour of a wild elk population
- 2006 May-Sep    **Research Coordinator**, Thompson Rivers University; coordinated field studies involving small grassland mammals, rattlesnakes, and terrestrial isopods
- 2006 Jan-Apr    **Wetland Database Technician**, Ducks Unlimited Canada; aided in the creation of a wetland database for the Intermountain region of British Columbia using GIS software
- 2005 Sep-Dec    **Stream Lab Technician**, Thompson Rivers University; worked on a joint project with Fisheries and Oceans Canada sorting and identifying invertebrate samples taken from freshwater streams

## RESEARCH EXPERIENCE (CONT.)

- 2005 May-Aug      **Research Technician**, University of Victoria; worked on a radio telemetry study examining habitat use by northern goshawks in managed old-growth forests
- 2003/04 May-Aug      **Research Technician**, University of Victoria; worked on a research project examining natal dispersal of red squirrels into second-growth forest stands

## TEACHING EXPERIENCE

- 2006-Current      **Graduate Teaching Assistantship**, University of Alberta; responsible for teaching laboratory courses including:
- Introduction to Biological Diversity, Vertebrate Diversity, Landscape Ecology, and Biology of Birds

## VOLUNTEER EXPERIENCE

- 2007-2008      President, Biology Graduate Student Association, University of Alberta; managed and administered volunteers, organized social and academic events
- 2008 April      Let's Talk Science Program; gave talks to elementary school classes about the importance of forests in Alberta
- 2004/05 April      BC Wildlife Park; aided in the annual banding and release of captive bread burrowing owls

## PEER-REVIEWED PUBLICATIONS

**Robinson, B. G.**, M. Hebblewhite, and E.H. Merrill. Are migrant and resident elk (*Cervus elaphus*) exposed to similar forage and predation risk on their sympatric winter range? *Oecologia*. 164:265–275.

*In-press:*

**Robinson, B. G.**, K. W. Larsen, and H. J. Kerr. Natal experience and conspecifics influence the settling behaviour of juvenile terrestrial isopods (*Armadillidium vulgare*). *Canadian Journal of Zoology*. Accepted Jan 28, 2011.

**Robinson, B. G.**, and E. H. Merrill. The influence of snow on the functional response of mammalian herbivores. *Oikos*. Accepted Jan 24, 2011.

PEER-REVIEWED PUBLICATIONS (CONT.)

*In preparation:*

Franke, A, M. Bradley, G. S. Court, M. Settington, C. Hotson, A. Anctil, V. L'Hérault, M. Prostor, **B. G. Robinson**. The 2010 Nunavut peregrine falcon survey. Canadian Field Naturalist.

**Robinson, B. G.**, and E. H. Merrill. Experience influences trade-offs between foraging and vigilance in a partially migratory elk population. Ecology.

CONFERENCE PRESENTATIONS (\* presenter)

**B. G. Robinson** and \*E. H. Merrill. Partial migration at Ya Ha Tinda: Do residents have the home advantage? Elk and Deer Workshop, Albuquerque, NM, USA. May 2011.

Franke, A, \***B. G. Robinson**, M. Prostor, V. L'Hérault, A. Anctil, and P. Alogut. Home range size and distribution in Arctic peregrine falcons: is productivity density dependent? Gyrfalcons and Ptarmigan in a Changing World, Boise, ID, USA. February 2011.

\***Robinson, B. G.**, M. Hebblewhite, and E. H. Merrill. Exposure of migrant and resident elk to forage and wolf predation risk on the Ya Ha Tinda winter range. Alberta Chapter of the Wildlife Society Annual Conference, Edmonton, AB. March 2009.

\***Robinson, B.G.**, and E. H. Merrill. Antipredator behaviour of elk on the Ya Ha Tinda winter range: do migrants and residents behave differently? Central Mountains & Plains and the Canadian Section of the Wildlife Society Annual Conference, Gimli, MB. August 2008.

\***Robinson, B.G.**, M. Hebblewhite, and E.H. Merrill. Are migrant and resident elk spatially segregated on the Ya Ha Tinda winter range? Alberta Chapter of The Wildlife Society Annual Conference, Red Deer, AB. February 2008.

AWARDS, SCHOLARSHIPS, AND GRANTS

2011 NSERC Post Graduate Scholarship, Doctoral (\$42,000 over 2 years)

2011 Canadian Wildlife Foundation Research Grant (\$5,000)

2011 Circumpolar/Boreal AB Research Grant, Canadian Circumpolar Institute (\$2,000)

2011 Northern Science Training Program Grant, Indian and Northern Affairs Canada (\$3,000)

2010 Alberta Ingenuity Fund Graduate Student Scholarship, Doctoral (\$82,500 over 3 yrs)

2010 Paul A. Stewart Research Award, Wilson Ornithological Society (\$500)

AWARDS, SCHOLARSHIPS, AND GRANTS (CONT.)

- 2010 Circumpolar/Boreal AB Research Grant, Canadian Circumpolar Institute (\$2,000)
- 2010 Northern Science Training Program Grant, Indian and Northern Affairs Canada (\$3,000)
- 2009 Graduate Teaching Award, University of Alberta (\$500)
- 2008 Alberta Graduate Student Scholarship (\$2,000)
- 2008 Best Student Paper, Central Mountains & Plains and the Canadian Section of the Wildlife Society Annual Conference, Gimli, MB
- 2008 Letter of Commendation for Teaching Excellence, University of Alberta
- 2007 Letter of Commendation for Teaching Excellence, University of Alberta
- 2007 Development Initiatives Program Grant, Alberta Sport, Recreation, Parks and Wildlife Foundation (\$5,000)
- 2007 Walter H. Johns Graduate Fellowship (\$4,435)
- 2007 NSERC Canadian Graduate Scholarship, Master's (\$17,500)
- 2004 Fulton and Company Endowment (\$500)
- 2003 NSERC Undergraduate Student Research Award (\$4,500)

PROFESSIONAL CERTIFICATIONS

- 2011 Wilderness First Aid Level II, St. John Ambulance
- 2011 Standard First Aid, Level I, St John Ambulance
- 2008 Wildlife Immobilization Certification (Canadian Association of Zoo and Wildlife Veterinarians)
- 2006 Care and Use of Animals in Research Training (Canadian Council on Animal Care)
- 2006 Defensive driving certification (University of Alberta)
- 2005 Conflict Resolution in the Natural Resources Training (Thompson Rivers University)

PROFESSIONAL MEMBERSHIPS

American Ornithologists Union

Raptor Research Foundation

Society of Canadian Ornithologists

Alberta Chapter of The Wildlife Society

University of Alberta Student Chapter of The Wildlife Society