

Kurt Galbreath

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Education

- PhD – Evolutionary Biology**, Cornell University – January 2009
“Of pikas and parasites: biogeography of an alpine host-parasite assemblage”
- MS – Wildlife Biology**, University of Alaska Fairbanks – August 2002
“Phylogeography of the tundra vole (*Microtus oeconomus*) in Beringia”
- BS – Biology**, Illinois Wesleyan University, *Summa Cum Laude* – May 1997

Research and Professional Experience

- 2008-present Research Associate, Dept. of Biology, Western Washington Univ.
- 2002-2008 Doctoral Candidate, Ecology and Evolutionary Biology, Cornell
- 2001-2002 Visiting Researcher, US National Parasite Collection, USDA
- 2000 Visiting Researcher, Finnish Forest Research Institute
- 1999-2001 Curatorial Assistant, University of Alaska Museum

Refereed Publications

- In press **Galbreath K**, Hafner D, Agnew K, and Zamudio K. Isolation and introgression in the Intermountain West: contrasting gene genealogies reveal the complex biogeographic history of the American pika (*Ochotona princeps*). **Journal of Biogeography**.
- 2009 **Galbreath K**, Hafner D, and Zamudio K. When cold is better: climate-driven elevation shifts yield complex patterns of diversification and demography in an alpine specialist (American pika, *Ochotona princeps*). **Evolution** 63:2848-2863.
- 2009 Hoberg E, Pilitt P, and **Galbreath K**. Why museums matter: a tale of pinworms (Oxyuroidea: Heteroxynematidae) among pikas (*Ochotona princeps* and *O. collaris*) in the American West. **Journal of Parasitology** 95:490-501.
- 2008 Raoul F, Pleydell D, Quéré J-P, Vaniscotte A, Rieffel R, Takahashi K, Bernard N, Wang J, Dobigny T, **Galbreath K**, Giraudoux P. Small-mammal assemblage response to deforestation and afforestation in central China. **Mammalia** 72:320-332.

- 2005 Cook JA, Hoberg EP, Koehler A, Henttonen H, Wickström L, Haukisalmi V, **Galbreath K**, Chernyavski F, Dokuchaev N, Lahzuhtkin A, MacDonald SO, Hope A, Waltari E, Runck A, Veitch A, Popko R, Jenkins E, Kutz S, Eckerlin R. Beringia: Intercontinental exchange and diversification of high latitude mammals and their parasites during the Pliocene and Quaternary. **Mammal Study** 30:S33-S44.
- 2004 **Galbreath K** and Cook J. Genetic consequences of Pleistocene glaciations for the tundra vole (*Microtus oeconomus*) in Beringia. **Molecular Ecology** 13:135-148.
- 2003 Brunhoff C, **Galbreath K**, Fedorov V, Cook J and Jaarola M. Holarctic phylogeography of the root vole (*Microtus oeconomus*): implications for late Quaternary biogeography of high latitudes. **Molecular Ecology**, 12:957-968.
- 2003 Hoberg E, Kutz S, **Galbreath K** and Cook J. Arctic biodiversity: From discovery to faunal baselines- revealing the history of a dynamic ecosystem. Proceedings of the 10th International Congress of Parasitology. **Journal of Parasitology** Supplement, 89: S84-S95.

Presentations

- 2009 Invited Speaker, Dept. of Biology, Central Washington Univ.
- 2009 American Society of Mammalogists' Annual Meeting, Univ. of Alaska Fairbanks (also 2007, 2006, 2005, 2001)
- 2009 Evolution 2009, University of Idaho (also 2006, 2005, 2003)
- 2008 Invited Speaker, Biology Dept., Western Washington Univ.
- 2008 Cornell EEB Departmental Seminar Series
- 2006 Cornell EEB Graduate Symposium
- 2006 Cornell EEB Lunch Bunch Seminar Series (also 2002)
- 2000 International Workshop for Arctic Parasitology, Univ. of Saskatchewan

Grants

- 2006 Cornell University, Andrew Mellon Graduate Research Grant
- 2005 NSF Doctoral Dissertation Improvement Grant (DEB 0506042)
- 2005 Sigma Xi – Cornell, Grant in Aid of Research
- 2004 American Society of Mammalogists Grant in Aid and Elizabeth Horner Award
- 2004 American Museum of Natural History Roosevelt Fund Research Grant
- 2004 Sigma Xi Grant-in-Aid
- 2004 Cornell University, Andrew Mellon Graduate Research Grant

- 2001 NSF Graduate Research Fellowship
2000 Center for Global Change Grant, International Arctic Research Center
2000 American Society of Mammalogists Grant in Aid of Research

Teaching and Advising

Western Washington University:

Evolution – guest lecturer

Mentor – Undergraduate Research – Christy Miller

Cornell University:

Biology for Non-Majors – lab instructor

- Outstanding Teaching Assistant Award – College of Ag and Life Sciences

Evolution (Writing in the Majors) – course development and instruction

Mammalogy – lab curriculum development and instruction; guest lecturer

Vertebrates – lab curriculum development and instruction; guest lecturer

University of Alaska Fairbanks:

Principles of Evolution – lab / discussion section instructor; guest lecturer

Mentor – Alaska High School Science Symposium – Kathleen Bongiovanni

Illinois Wesleyan University:

Organic Chemistry – lab instructor

Service – Reviewer

Journals – Arctic, Antarctic, and Alpine Research

Conservation Genetics

Ecography

International Journal for Parasitology

Journal of Biogeography

Molecular Ecology

Grants – Cornell Sigma Xi Grant in Aid

Cornell Mellon Student Research Grant

Service – Committees

Cornell EEB GSA – Invited Speaker Committee

Graduate Symposium Committee

Society Memberships

American Society of Mammalogists

Sigma Xi

Society for the Study of Evolution

Society of Systematic Biologists

Field and Foreign Research Experience

China - 2006

Finland - 2000

North America's Intermountain West (US, Canada) – 2004, 2005

Siberia – 2000, 2002

Southwest Alaska – 1999, 2003