

RICHARD E. FELDMAN

Curriculum Vitae

Unidad de Recursos Naturales
Centro de Investigación Científica de Yucatán
Calle 43 No. 130, Colonia Chiburná de Hidalgo
Mérida, Yucatán CP 97200 México

Dept. of Environmental Conservation
University of Massachusetts-Amherst
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Amherst, MA 01003 USA

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ACADEMIC APPOINTMENTS

- 2015 - Investigador Titular C. Unidad de Recursos Naturales, Centro de Investigación Científica de Yucatán, Mérida, Yuc, México
- 2015 - Adjunct Assistant Professor. Dept. of Environmental Conservation, University of Massachusetts Amherst, Amherst, MA, USA
- 2013 - 2014 Post-doctoral Research Fellow. Dept. of Environmental Conservation, University of Massachusetts Amherst, Amherst, MA, USA and Schoodic Institute at Acadia National Park, Winter Harbor, ME, USA
- 2011 – 2013 Post-doctoral Research Fellow. Dept. of Biology, Trent University, Peterborough, ON, Canada

OTHER APPOINTMENTS

- 2014 - Scientist and Co-PI. Earthwatch Institute: Climate Change: Sea to Trees at Acadia National Park

EDUCATION

- 2011 PhD. Biology. McGill University, Montréal, QC, Canada
Dissertation: "Toward a theory of abundance at large spatial scales"
- 2002 MSc. Forest Science. University of British Columbia, Vancouver, BC, Canada
Dissertation: "Associations of songbirds with their habitat in the Garry oak (*Quercus garryana*) ecosystem of Victoria, British Columbia"
- 1999 BScH. Biology/Environmental Science. Queen's University, Kingston, ON, Canada
Dissertation: "Caching ecology of blue jays (*Cyanocitta cristata*) in an agricultural landscape"

EMPLOYMENT

- 2003 – 2006 Research Associate. Canadian Wildlife Service, Environment Canada, Delta, BC
2003 Re-sighting Supervisor, Arizona Bird Crew. University of Montana/Montana Co-operative Wildlife Research Unit
- 2002 – 2003 Research Technician. Centre for Applied Conservation Research, University of British Columbia, Vancouver, BC

TEACHING

- 2013 Instructor: *Biogeography* (Lectures and labs). Trent University
2012 Guest lecturer: *Behavioural Ecology*. Trent University
2008 - 2010 Teaching assistant: *Environmental Research Design*. McGill University
2007 Teaching assistant: *Cell and Molecular Biology*. McGill University
2001 Teaching assistant: *Biostatistics*. University of British Columbia
2000 – 2001 Module leader: *Forest Ecology*. University of British Columbia
1999 Teaching assistant: *Introductory Biology*. University of British Columbia

GRANTS

- 2010 Graduate Training Committee, Dept. of Biology, McGill University. Travel award. (\$1000)
2009 Fonds de recherche du Québec – Nature et technologies (FQRNT). PhD scholarship (declined). (\$20000)
2006 Graduate Training Committee, Dept. of Biology, McGill University. Top-up award. (\$5000)
2006 – 2009 Natural Sciences and Engineering Research Council, Canada. PGS Doctoral award. (\$63000)

PUBLICATIONS

- Feldman, R.E. and B.J. McGill, 2014. How important is nectar in shaping spatial variation in the abundance of temperate breeding hummingbirds? *Journal of Biogeography* 41: 489-500.
- Feldman, R.E. and B.J. McGill, 2013. How competitive trade-offs limit elevation ranges for temperate breeding hummingbirds. *Canadian Journal of Zoology* 91: 717-725.
- Pickles, R.S.A., D. Thornton, R.E. Feldman, A. Marques, and D.L. Murray, 2013. Predicting shifts in parasite distribution with climate change: a multi-trophic level approach. *Global Change Biology* 19: 2645-2654.
- Feldman, R. E. and P. G. Krannitz, 2004. Bird composition of oak ecosystem fragments in an urbanized setting: The influence of adjacent coniferous forest fragments. *Ecoscience* 11: 338 – 346.

Feldman, R. E. and P. G. Krannitz, 2002. Does habitat matter in an urbanized landscape? The birds of the Garry Oak (*Quercus garryana*) ecosystem of southeastern Vancouver Island. *In*: Standiford, R. B., D. McCreary and K. L. Purcell, tech. cords. Proceedings of the Fifth symposium on oak woodlands: oaks in California's changing landscape. 2001 October 22-25; San Diego, CA. Gen. Tech. Rep. PSW-GTR-184. Albany, CA: Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture.

INVITED SEMINARS

Spatial variation in abundance: patterns and processes at the macro-scale. Biological Sciences seminar series, Wright State University, Dayton, OH. May 14, 2012.

Toward a theory of abundance at large spatial scales. Ecology, Evolution, Behaviour seminar series, Queen's University, Kingston, ON. Nov 24, 2010.

DEPARTMENTAL SEMINARS

Spatial variation in abundance: patterns and processes at the macro-scale. Life Sciences seminar series, Trent University, Peterborough, ON. Nov 16, 2012.

Toward a theory of abundance at large spatial scales. Ecology and Evolution Lunch seminar series, McGill University, Montreal, QC. Nov 23, 2010.

CONFERENCE PARTICIPATION

Feldman, R.E., D.I. King, C.R. Griffin, and A.J. Miller-Rushing. (*talk*). Does temperature change reorganize the internal structure of avian species ranges. Joint meeting of the American Ornithologists' Union, the Cooper Ornithological Society, and the Society of Canadian Ornithologists. Estes Park, CO, Sep 23 – 28, 2014.

Feldman, R.E. and P.R. Peres-Neto. (*talk*). Habitat selection at the scale of species ranges. Joint meeting of the American Ornithologists' Union, the Cooper Ornithological Society, and the Society of Canadian Ornithologists. Estes Park, CO, Sep 23 – 28, 2014. *Accepted as a participant in the Early Professionals Mini-talk Symposium.*

Feldman, R.E., A. King-Johnston, A. Powers, H. Webber, J. Colangelo, S. Benz, and A.J. Miller-Rushing. (*poster*). Citizen scientist assessment of phenological mismatch during fall migration. Joint meeting of the American Ornithologists' Union, the Cooper Ornithological Society, and the Society of Canadian Ornithologists. Estes Park, CO, Sep 23 – 28, 2014.

Feldman, R.E. and P.R. Peres-Neto. (*talk*). Habitat selection at the scale of species ranges. Gordon Research Conference: Unifying Ecology across Scales. Biddeford, ME, Jul 21 – 25, 2014. *Accepted as a participant in the Young Scientist Mentoring Program.*

- Feldman, R.E., D.L. Murray, D. Howerter, J. Devries, M. Anderson, and K. Podruzny (*talk*) Population dynamics in space and time. Evolution 2012: First Joint Congress on Evolutionary Biology. Ottawa, ON, Jul 6 – 12, 2012.
- Feldman, R. E. and B. J. McGill (*poster*) Spatial variation in abundance revisited. Gordon Research Conference: Metabolic Basis of Ecology. Biddeford, ME, Jul 18 – 23, 2010.
- Feldman, R. E. and B. J. McGill (*talk*) The context dependence of hummingbird competition. Cooper Ornithological Society/American Ornithologists' Union/Society for Canadian Ornithology Joint Meeting. San Diego, CA, Feb 7 – 10, 2010.
- Feldman, R. E. and B. J. McGill (*poster*) Spatial variation in nectar production: an energy map for hummingbirds. 94th Ecological Society of America Annual Meeting. Albuquerque, NM, Aug 2 – 7, 2009.
- Feldman, R. E. and B. J. McGill (*poster*) Hummingbird niches: physiological and competitive limits. 79th Meeting of the Cooper Ornithological Society. Tucson, AZ, Apr 16 – 18, 2009.
- Feldman, R. E. and B. J. McGill (*poster*) Spatial variation in the abundance of hummingbirds across their ranges. First General Meeting of the Canadian Society for Ecology and Evolution. Toronto, ON May 17 – 20, 2007.
- Feldman, R. E. and P. G. Krannitz. (*talk*) The effect of urbanization on bird communities in British Columbia's Garry Oak and Douglas-fir ecosystems. The Third Partners-in-Flight International Conference. Monterrey, CA, March 20 – 24, 2002.
- Feldman, R. E. (*poster*) Bird conservation in British Columbia's Garry Oak ecosystem. The Third Partners-in-Flight International Conference. Monterrey, CA, March 20 – 24, 2002.
- Feldman, R. E. and P. G. Krannitz (*talk*). Does habitat matter in an urbanized landscape? The birds of the Garry Oak ecosystem of southeastern Vancouver Island. Fifth symposium on oak woodlands: oaks in California's changing landscape. San Diego, CA, October 22 – 25, 2001
- Feldman, R. E. and P. G. Krannitz (*talk*). Does habitat matter in an urbanized landscape? The birds of the Garry Oak ecosystem of southeastern Vancouver Island. 13th Annual Conference of the Society for Ecological Restoration. Niagara Falls, ON, October 4 - 6, 2001.
- Feldman, R. E. and P. G. Krannitz (*poster*). The birds of the Garry Oak ecosystem of southeastern Vancouver Island. 119th Stated Meeting of the American Ornithologists' Union. Seattle, WA, August 16 - 18, 2001.

PROFESSIONAL ACTIVITIES

Review Editor: Frontiers in Ecology and Evolution

Reviewer: Auk, Ecography, Global Change Biology, Global Ecology and Biogeography, Huitzil, National Geographic Society, Ornitología Neotropical, Wildlife Research, Zoological Studies

Member: American Ornithologists' Union, Ecological Society of America

UNIVERSITY ACTIVITIES

2012 – 2013 Coordinator. Life Sciences Seminar Series, Trent University

2008 – 2010 Secretary. Biology Graduate Students Association, McGill University

2007 – 2010 Departmental representative. Association of Graduate Students Employed at McGill, McGill University

SERVICE AND TEACHING AWARDS

2008 Outstanding Teaching Assistant Award. School of Environment, McGill University. (\$200)

1999 STRIVE Environmental Stewardship Award. Queen's University. (\$400)

LANGUAGES

English – native

Spanish – advanced conversational, reading, writing

French – basic conversational, reading, writing