

Curriculum Vitae
Nicole Lara Bedford
Department of Organismic and Evolutionary Biology
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EDUCATION

2012 – Pres. Ph.D., Organismic and Evolutionary Biology, Harvard University
2006 - 2010 B.Sc. Hon., Marine Biology, University of British Columbia
2005 - 2006 B.Sc., Science and Technology, University Transfer Program, Mount Royal College

EMPLOYMENT

2010 - 2011 Field Technician in Trinidad and Tobago, University of California, Riverside
Supervisor: Dr. David Reznick
2008 - 2009, 2011 Research Assistant/Technician, University of British Columbia, Vancouver
Supervisors: Dr. Dolph Schluter (UBC) and Dr. Katie Peichel (UW)

PRODUCTS

(i) Primary publications:

Metz, H.C., **Bedford, N.**, Pan, L., Hoekstra, H.E. (2016). Ontogeny of complex behavior: burrow construction in wild mice. *In Prep.*

Bedford, N. L. and Hoekstra, H.E. 2015. The Natural History of Model Organisms: *Peromyscus* mice as a model for studying natural variation. *eLife* 2015;4:e06813.

Arnegard, M. E., McGee, M. D., Matthews, B., Marchinko, K. B., Conte, G. L., Kabir, S., **Bedford, N.**, Bergek, S., Chan, Y. F., Jones, F. C., Kingsley, D. M., Peichel, C. L., Schluter, D. (2014). Genetics of ecological divergence during speciation. *Nature*, 511(7509): 307–311. doi:10.1038/nature13301

(ii) Presentations and commentaries:

Bedford, N., Metz, H.C., Hoekstra, H.E. *The ontogeny of complex burrowing behavior in wild mice* (2014). Poster: Genes & Behavior Gordon Research Conference, Neural Networks in the Arctic.

Hoekstra, H. and **Bedford, N.** F1000 Prime Recommendation of [Ellegren, H. et al., *Nature* 2012, 491(7426): 756-60]. In F1000 Prime, 23 May 2013. doi:10.3410/f.717961567.793476298.

Bedford, N. *A genetic basis for feeding behaviour in the threespine stickleback species pair* (2009). Poster: Rising Stars of Research National Undergraduate Science and Engineering Research Poster Competition. *Honourable Mention*: Outstanding Poster in Evolutionary Biology.

Bedford, N. *Trophic morphology and habitat preference explain stable isotope signatures in the threespine stickleback species pair* (2009). Talk: Pacific Ecology and Evolution Conference. *Honourable Mention*: Best Undergraduate Talk.

Bedford, N. *Male mate choice and female competition in the bay pipefish *Syngnathus leptorhynchus** (2007). Talk: Bamfield Marine Sciences Centre Directed Studies Symposium.

AWARDS AND FELLOWSHIPS

- 2015 Grant-In-Aid of Research, American Society of Mammalogists
- 2015 Certificate of Distinction in Teaching, Derek Bok Center for Teaching and Learning
- 2015 Museum of Comparative Zoology Putnam Expedition Grant, Harvard University
- 2014 Mind, Brain, and Behavior Grant, Harvard University
- 2014 Robert A. Chapman Memorial Scholarship, Harvard University
- 2013 Summer Institute in Statistical Genetics Scholarship, University of Washington
- 2013 Museum of Comparative Zoology Putnam Expedition Grant, Harvard University
- 2012 James Mills Pierce Fellowship, Harvard University
- 2012 NSERC Postgraduate Scholarship, Harvard University
- 2009 NSERC Undergraduate Student Research Award
- 2008 NSERC Undergraduate Student Research Award
- 2008 Mary and Joseph Bryant Scholarship, University of British Columbia
- 2007 Western Canadian Universities Marine Sciences Society Scholarship
- 2006 University of British Columbia President's Entrance Scholarship
- 2006 Louise McKinney Scholarship, Mount Royal College
- 2005 Mount Royal College Entrance Scholarship

OUTREACH

- 2015 - 2016 Executive Member, Harvard GSAS Science Policy Group
- 2012 - 2013 Citizen Schools Volunteer Teacher, Boston Public Schools
- 2008 - 2009 Student Ambassador, Bamfield Marine Sciences Centre
- 2006 - 2009 Volunteer Public Education Instructor, Vancouver Aquarium
- 2005 - 2006 Volunteer Conservation Ambassador, Calgary Zoo

CONFERENCES

- 2014 Neural Networks in the Arctic, Spitsbergen, Norway
- 2014 Genes and Behavior Gordon Research Conference, Galveston TX
- 2013 Center for Brain Science Annual Retreat, Cambridge MA
- 2010 Evolution 2010, Portland OR
- 2009 Pacific Ecology and Evolution Conference, Bamfield BC
- 2008 Canadian Society for Ecology and Evolution, Vancouver BC

WORKSHOPS AND COURSES

- 2014 Summer Institute in Statistical Genetics, University of Washington
- 2007 Fall Program, Bamfield Marine Sciences Centre

AFFILIATIONS

American Society of Mammalogists
Society for Animal Behavior