

# Christopher Neal Templeton

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## EDUCATION

**Ph.D. Biology.** *in progress, expected 2008.* The University of Washington, Seattle, WA. Thesis advisor: Dr. Michael Beecher

**M.S. Organismal Biology and Ecology** 2002 The University of Montana, Missoula, MT.

Thesis: Black-capped chickadees (*Poecile atricapilla*) convey predator-specific information in their “chick-a-dee” vocalizations. Thesis advisor: Dr. Erick Greene

**B.S. Biology, Magna Cum Laude** 1999 Denison University, Granville, OH.

Honors thesis: Multiple Selection Pressures Influencing the Evolution of Trinidadian Guppy (*Poecilia reticulata*) Anti-predator Behavior: Aquatic Predation, Aerial Predation, and Habitat Features. Thesis advisor: Dr. Walter Shriener.

University of Michigan Biological Station, Pellston MI. General Ecology. Spring 1998

School For International Training: Natural and Cultural Ecology, Semester abroad in Belize, Fall 1997

Eastern Michigan University, Ypsillanti MI, Organic Chemistry. Summer 1997

## PUBLICATIONS

Templeton, C.N. *in review.* Black-capped chickadees select spotted knapweed flower heads with the most gall fly larvae. **Behavioral Ecology.**

Burt, J. M., O’Loughlen, A. L., Templeton, C. N., Campbell, S. E. & Beecher, M. D. *in press.* Social factors in song learning: Studies with ‘virtual’ (computer) tutors. **Ethology.**

Templeton, C.N. & Greene, E. 2007. Bilingual birds and eavesdropping: Nuthatches respond to subtle variations in “chick-a-dee” alarm calls. **PNAS 104: 5479-5482**

Beecher, M. D., Burt, J. M., O’Loughlen, A. L., Templeton, C. N. & Campbell, S. E. 2007. Bird song learning in an eavesdropping context. **Animal Behaviour** 73: 929-935

Templeton, C.N. *in press.* Perennial Pepperweed, *Lepidium latifolium*. In: **Invasive Species in the Pacific Northwest.** Boersma, P.D., Reichard, S.E., VanBuren, A.N., eds. University of Washington Press

Templeton, C.N. 2006. *Antipredator Defenses in Birds and Mammals.* Book Review. **Quarterly Review of Biology** 81: 309-310.

Templeton, C.N. & Greene, E. 2005. A “chick-a-dee” or a “co-qui”? **Science** 310: 620-621

Templeton, C.N. & Greene, E. 2005. Allometry of alarm calls: Black-capped chickadees encode information about predator size in their mobbing calls. **Science** 308: 1934-1937

Templeton, C.N. & Shriener, W.M. 2004. Multiple selection pressures influence Trinidadian guppy (*Poecilia reticulata*) anti-predator behavior. **Behavioral Ecology** 15: 673-678

Templeton, C.N., Pashcka, N. & Clyne, A. 1999. Differential seed predation of northern Michigan trees. **Denison Journal of Biological Sciences** 22: 5-11

## SELECTED POPULAR PRESS

My research has been featured in publications including *The New York Times*, *Washington Post*, *Seattle Times*, *New Scientist*, and *Discover Magazine*, radio broadcasts on NPR’s *All Things Considered* and *Morning Edition*, and CBC’s *Quirks and Quarks*, and TV programs for National Geographic, Animal Planet, and ABC news.

## SCIENTIFIC PRESENTATIONS

Animal Behavior Society (2001, 2003, 2004, 2005, 2007; *honorable mention Allee competition 2003*), North American Ornithological Congress (2007), International Society for Behavioral Ecology (2006), Raptor Research Foundation (2004), American Ornithologist’s Union (2001), The Ohio Academy of Science (1999)

**ADDITIONAL RESEARCH EXPERIENCE**

- Research Assistant:** Ovando, MT. supervisors: Dr. John Maron and Dean Pearson. October—November 2002. (small mammal community ecology).
- Biological Sciences Technician:** Rocky Mountain Research Station, Missoula MT. supervisor: Dr. Mike Schwartz. July—October 2002. (spatial genetics of chipmunks).
- Biological Sciences Technician:** Rocky Mountain Research Station, NFS, Lolo National Forest. supervisor: Yvette Ortega. Summer 2000, 2001, 2002 & 2003. (behavior and demography of birds in relation to weeds).
- Assistant Entomology Curator:** Denison University Entomology Collection, supervisor: Dr. Tom Schultz, 1997-1999. (insect identification and collection maintenance)
- Independent Research:** "Bird distribution by habitat type: Monkey Bay Wildlife Sanctuary, Belize." advisor: Phillip Balderamos. Belize, Fall 1997. (songbird habitat use)
- Field Research Assistant:** Edwin F. George Biological Reserve, University of Michigan, Ann Arbor, MI. supervisor: Dr. Beverly Rathcke. Summer 1996, 1997. (plant-animal interactions)

**MANUSCRIPT REVIEWS**

*Animal Behaviour, Behaviour, Condor, Ethology, Journal of Avian Biology, Journal of Field Ornithology, Journal of Comparative Psychology, Naturwissenschaften, Proceedings of the Royal Society B.*

**TEACHING EXPERIENCE**

- Instructor:** *Curso de Ornitologia Neotropical*, Peru. Summer 2007.  
Co-instructed a field course for advanced college students traveling from the high Andes to the Amazon.
- Field Trip Instructor:** Department of Biology, University of Washington (Fall 2004-Present)  
Design and lead field trips in the Cascades and Olympic Mountains for Introductory Biology students
- Teaching Assistant:** Department of Biology, University of Washington (Fall 2003-Present):  
*Introductory Biology* (Ecology & Evolution for majors). Winter 2005.  
*Foundations in Ecology*, Autumn 2005.  
*Introductory Biology* (2 quarter series for non-majors), Autumn-Winter 2004.
- Greenhouse Docent for K-12 students:** University of Washington Greenhouse (2004-Present).
- Private Tutor for Introductory Biology:** Center for Learning and Undergraduate Education (CLUE), University of Washington. (Autumn 2003)
- Undergraduate Research Mentor:** advised students conducting independent research and senior theses. Division of Biological Sciences, University of Montana (Fall 2001 & Spring 2002)
- Teaching Assistant:** Division of Biological Sciences, University of Montana (Fall 1999-Spring 2002)  
*Animal Behavior*, Spring 2000 & 2002  
*Ecology and Ecology Lab*, Fall 2000, 2002, & Spring 2001  
*Anatomy and Physiology*, Fall 1999
- Undergraduate Teaching Assistant:** Department of Biology, Denison University (Fall 1998-Spring 1999)  
*General Zoology*, Fall 1998; *Ornithology*, Spring 1999

**GRANTS HONORS AND AWARDS**

- NIH Auditory Neuroscience Pre-Doctoral Training Grant 2005-2008  
American Museum of Natural History Frank M. Chapman Memorial Grant 2006, 2007  
ISBE American Committee/NSF Travel Award 2006  
American Ornithologists Union Research Award 2006  
Snyder Award for Vertebrate Studies 2005  
Walter Clyde Allee Award for best student paper, honorable mention, Animal Behavior Society 2003  
Batelle Foundation Grant for Undergraduate Field Research 1998  
Denison University Research Grant 1998  
Omicron Delta Kappa, since 1998  
Dean's List, Denison University, Fall 1996 through Spring 1999  
Phi Society, since 1996  
Denison Honors Program 1996-1999

**REFERENCES**

- Dr. Michael Beecher**, University of Washington, (206) 543-6545, [beecher@u.washington.edu](mailto:beecher@u.washington.edu)  
**Dr. Erick Greene**, University of Montana, (406) 243-2179, [egreene@selway.umt.edu](mailto:egreene@selway.umt.edu)  
**Dr. Douglas Emlen**, University of Montana, (406) 243-2434, [demlen@selway.umt.edu](mailto:demlen@selway.umt.edu)  
**Dr. Walter Shriner**, Mt. Hood Comm College, (503) 491-7362, [shrinerw@mhcc.edu](mailto:shrinerw@mhcc.edu) (Denison reference)  
**Yvette Ortega**, Rocky Mountain Research Station, (406) 542-3246, [yortega@fs.fed.us](mailto:yortega@fs.fed.us) (recent employer)