

# STEVEN P. BRADY

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School of Forestry & Environmental Studies  
Yale University  
370 Prospect Street, Room 119  
New Haven, CT 06511

Phone: (203) 980-3086  
Fax: (203) 432-3929  
Email: [steven.brady@yale.edu](mailto:steven.brady@yale.edu)  
<http://environment.yale.edu/skelly/steveb.html>

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## EDUCATION

- 1997 – 2001      B.A., Fine Arts. Major: Music; Minor: Biology, Saint Michael's College, Vermont, *cum laude*. Senior project: Authored and performed one-man play (*Soulstice*)
- 2005 – 2007      M.E.Sc., School of Forestry & Environmental Studies, Yale University, Advisor: David Skelly. Thesis: Disturbed wetlands support higher avian biodiversity
- 2007 – present      Ph.D. (expected 2012), School of Forestry & Environmental Studies, Yale University, Advisor: David Skelly

## PROFESSIONAL POSITIONS

- 2005 – 2007      Research Assistant, Skelly Lab, Yale University
- 2006 – 2007      President, Society for Conservation Biology, Yale University Chapter

## FELLOWSHIPS AND HONORS

- 1997 – 2000      Connecticut Resident Scholarship, Saint Michael's College
- 1999 – 2000      McCarthy Arts Scholarship, Saint Michael's College
- 2000              Class of 1989 Scholarship, Saint Michael's College
- 2001              Class Achievement Award, Saint Michael's College
- 2005              Leonard Carpenter Scholar, Yale University
- 2006              John A. MacLean Scholar, Yale University
- 2007              Hixon Fellow, Hixon Center for Urban Ecology, Yale University
- 2007 - 2010      Leopold Schepp Scholar, Leopold Schepp Foundation

## **GRANTS**

2005-2008	Carpenter/Sperry/Mellon Grant, \$3,000
2006	Global Internship, School of Forestry & Env. Studies, Yale University, \$2,500
2006	Federated Garden Club of Connecticut Grant, \$4,000
2006	Environmental Studies Scholarship, Annie's Homegrown, \$1,000
2007	Center for Field Ecology Pilot Grant, Yale Institute of Biospheric Studies, \$1,500
2008	American Museum of Natural History, Theodore Roosevelt Memorial Fund, \$1,000
2008	The Malacological Society of London Research Grant, \$1,900
2008	Conchologists of America Academic Grant, \$1,500
2009 – 2011	Mianus River Gorge Preserve, \$21,000
2009	Lefor Grant, Connecticut Association of Wetland Scientists, \$1,000
2009	Dissertation Research Grant, Yale Institute for Biospheric Studies, \$5,000
2009 – 2011	Doctoral Travel Fund, School of Forestry & Env. Studies, Yale University, \$1,100
2010	Hixon Center for Urban Ecology, Yale University, \$5,000
2010	Sigma Xi Grants-in-Aid of Research, \$800
2010	National Science Foundation Doctoral Dissertation Improvement Grant: Road mediated divergence in an amphibian, \$15,000

## **INVITED LECTURES**

2006	Research methodology. Evolutions (after school program). Yale Peabody Museum of Natural History.
2007	Metapopulations I. Landscape Ecology (graduate course). Yale University
2007	Metapopulations II. Landscape Ecology (graduate course). Yale University
2008	Life on the edge: Amphibians in roadside pools. Yale Forests Summer Seminar Series.
2008	Species-Area Relationships. Landscape Ecology (graduate course). Yale University

- 2008                    The Road to Evolution. Landscape Ecology (graduate course: special topic).  
Yale University
- 2010                    Amphibians falling by the wayside: The perils of living in roadside wetlands.  
Mianus River Gorge Preserve.
- 2011                    A salted salamander, assaulted frog: Tales from the road. Yale Forests  
Summer Seminar Series.

**INVITED SYMPOSIA  
AND ORGANIZED SESSIONS**

Brady SP. 2010. Road to perdition: Amphibians in roadside pools. Roads Symposium.  
Joint Meeting of Ichthyologists and Herpetologists.

Brady SP. 2010. Road to perdition: The impacts of roads and runoff on a wetland  
amphibian. Organized Session: Beyond the Pavement: Road Network Structure, Use and Ecological  
Responses in Backcountry Environments. Ecological Society of America (ESA) Annual Meeting.

**CONTRIBUTED  
PRESENTATIONS**

Brady SP. 2009. The eco-evolutionary effects of road adjacency and road salt on the wood frog  
(*Rana sylvatica*). ESA Annual Meeting. Archived online at  
<http://precedings.nature.com/documents/3674/version/2>

Bushey JB, Brady SP, Acevedo C, and Skelly DK. 2009. Influence of roadway proximity on metal  
uptake and bioavailability in a wetland dwelling amphibian. Society of Environmental Toxicology and  
Chemistry (SETAC) North America Meeting.

Brady SP. 2010. The road to perdition: amphibians in roadside wetlands. Doctoral Conference. Yale  
University School of Forestry and Environmental Studies.

Brady SP. 2010. Road to perdition: amphibians in roadside pools. Connecticut Conference on Natural  
Resources. University of Connecticut.

Brady SP. 2010. The consequences of road proximity and runoff on wetland amphibians. Student  
Conference on Conservation Science. American Museum of Natural History Center for Biodiversity  
and Conservation: Annual Symposium.

Brady SP. 2010. Road to perdition: Impacts of road adjacency and runoff on wetland amphibians.  
Northeastern Partners in Amphibian and Reptile Conservation Annual Meeting.

Brady SP. 2011. Population and evolutionary consequences of roads on two amphibians. International  
Conference on Ecology and Transportation (ICOET).

## **TEACHING EXPERIENCE**

- 2002 Long-term Substitute Teacher, Montpelier High School, Vermont  
Algebra, Geometry, Biology
- 2006 Teaching Fellow, Department of Ecology and Evolutionary Biology,  
Yale University: Conservation Biology
- 2007, 2008 Teaching Fellow, School of Forestry & Env. Studies, Yale University:  
Landscape Ecology
- 2009 Teaching Fellow, School of Forestry & Env. Studies, Yale University:  
Ecology Seminar
- 2009 Teaching Fellow, School of Forestry & Env. Studies, Yale University:  
Doctoral Seminar

## **OUTREACH**

- 2007 Lecturer and field instructor, Yale Peabody Museum 'Evolutions' and  
'Expeditions' education outreach programs for underserved youth
- 2009 -- 2010 Mentor (mentee: Mason Curtis), Mianus River Gorge ecology mentorship  
program for high school students

## **OTHER PROFESSIONAL EXPERIENCE**

- 2000 – 2003 Rock & Ice Climbing Instructor, Acadia National Park, Maine
- 2002 – 2003 Environmental Health Volunteer, Kabarnet, Kenya, United States  
Peace Corps
- 2003 – 2004 Website Developer, Outdoor Gear Exchange, Burlington, VT

## **FIELD/RESEARCH ASSISTANTS**

- 2008 Gabrielle Antonioli, undergraduate (exp. 2012), Montana State University
- 2009, 2010 Jacquelyn Burmeister, B.S. Biology (2009), Duke University
- 2010 Samantha Attwood, undergraduate (exp. 2012), Yale University
- 2010 Geoffrey Giller , B.S. Biology, Amherst College (2010)

## PUBLICATIONS

**Brady, S. P.** Road to evolution? Local adaptation to road adjacency in an amphibian (*Ambystoma maculatum*). *Scientific Reports* **in press** (2012).

## MANUSCRIPTS IN PREPARATION

**Brady, S. P.** *In preparation.* The ghost of exposure past: Inherited road effects on a pool-breeding amphibian (*Rana sylvatica*). Target journal: Ecology Letters.

Bushey, J. T., **Brady, S. P.**, Aragon-Jose, A., Vadas, T. *In preparation.* Effect of roadway proximity on trace metal accumulation in wetland-dwelling amphibians. Target journal: Science of the Total Environment.

Aragon-Jose, A., Bushey, J. T., **Brady, S. P.** *In preparation.* Influence of roadway on mercury biogeochemistry and accumulation in wetland-dwelling amphibians. Target journal: Environmental Pollution.

**Brady, S. P.** *In preparation.* Road runoff pollution in wetlands. In: Road Planning and Mitigation Design for Small Animals: Concepts and Applications. Eds. Andrews, K. and Nanjappa, P. Publisher: Johns Hopkins University Press.

## NON-REFEREED PUBLICATIONS

**Brady, S. P.** 2009. Eco-evolutionary effects of road adjacency and road salt on a planorbid (*Planorbula armigera*). *The Malacologist* (Bulletin of the Malacological Society of London).

## PROFESSIONAL SERVICE

2008	Dynamic website database development, SWARMS project. <a href="http://www.swarms.org">http://www.swarms.org</a>
2008 – 2011	Scientist advisor to Board of Trustees, Mianus River Gorge Preserve, Bedford, NY
2009, 2010	Session presider, ESA annual meetings
2010	NEPARC working groups on 1. Roads, 2. Emerging infectious disease.
2010	Guest Editor, <i>Northeastern Naturalist</i>
2010, 2011	Co-organizer, Student Conference on Conservation Science – New York (SCCS-NY). American Museum of Natural History
2011	Invited panelist, SCCS-NY workshop on balancing family and career

2011 Reviewer of undergraduate training module on amphibian declines.  
American Museum of Natural History Center for Biodiversity and Conservation:  
Network of Conservation Educators and Practitioners

2012 Organizer, ESA oral session on contemporary evolution in human  
modified environments

## **PEER REVIEWER**

*Biological Conservation, Canadian Journal of Zoology, Ecology, Herpetologica, Journal of Applied  
Ecology, Journal of Herpetology, Northeastern Naturalist, Oecologia*

## **PROFESSIONAL MEMBERSHIPS**

American Association for the Advancement of Science, Ecological Society of America, New York  
Academy of Sciences, Sigma Xi (The Scientific Research Society)

## **COLLABORATORS**

James Binkoski (UMass/MIT), Joseph Bushey (UConn), Rod Christie (Mianus River Gorge Preserve),  
Erica Crespi (Washington State U), David Griffith (MIT), Manja Holland (U Michigan), Tracy Langkilde (Penn  
State), Mark Weckel (Mianus River Gorge Preserve)

## **REFERENCES**

David Skelly, Professor and Assoc. Dean for Research, School of Forestry & Environmental  
Studies, Yale University. Phone: (203) 432-3603, email: [david.skelly@yale.edu](mailto:david.skelly@yale.edu)

Suzanne Alonzo, Professor, Department of Ecology & Evolutionary Biology, Yale University  
Phone: (203) 432-0690; email: [suzanne.alonzo@yale.edu](mailto:suzanne.alonzo@yale.edu)

Paul Turner, Professor and Chair, Department of Ecology & Evolutionary Biology, Yale University  
Phone: (203) 432-5918; email: [paul.turner@yale.edu](mailto:paul.turner@yale.edu)