

CURRICULUM VITAE

Martin A. Schlaepfer

State University of New York – College of Environmental Science and Forestry
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Education:

Cornell University, Ph.D. in Ecology and Evolutionary Biology	1998-2002
Cornell University, M.S. in Natural Resources	1995-1998
McGill University, B.Sc. with Honors in Biology	1990-1994
Collège Claparède, High school diploma in Science, Geneva, Switzerland	1985-1989

Research Appointments:

Assistant Professor, SUNY-ESF, Syracuse NY	2007-date
Research Associate, University of Texas, Austin TX	2006- 2008
Postdoctoral Fellow (Smith-Nature Conservancy) Univ. of Texas, Austin TX	2003-2006
Postdoctoral Researcher, Cornell University, Ithaca, NY	2002-2003

Teaching Experience (primary instructor):

BIO 359K Principles of Animal Behavior (72 enrolled students)	2006, Fall
BIO 370 Evolution (154 enrolled students), co-taught with Dr. Tom Juenger	
BIO 370 Evolution (60 enrolled students)	2006, Spring
BIO 370 Evolution (48 enrolled students)	
BIO 359K Principles of Animal Behavior (72 enrolled students)	2005, Fall
BIO 370 Evolution (73 enrolled students)	

Other Teaching Experiences:

<i>Organization for Tropical Studies, Costa Rica</i>	
Resource Person for Tropical Biology: An Ecological Approach	2002, 2003

Teaching Development:

University of Texas
New Faculty Teaching, Learning and Orientation Seminar 2005

Honors and Fellowships:

D.H. Smith Postdoctoral Fellowship, Nature Conservancy 2003-2006
EPA-STAR Pre-doctoral Research Fellowship, U.S. Environmental Protection Agency 1999-2002
Award for Best Student Presentation (tied), Swiss Zoologica and Botanica meeting, Neuchâtel, Switzerland 2001
Award for Best Student Presentation (Henri Seibert), Society for the Study of Amphibians and Reptiles, Conservation Category, Guelph, Canada 1998
National Science Foundation Pre-doctoral Fellowship 1995-1999
Award (Penhallow Prize) for highest academic grade of the graduating class in the Department of Biology, McGill University 1994

Publications:

- SCHLAEPFER, M.A., M.J. SREDL, P. ROSEN, AND M.J. RYAN.** (in press). High prevalence of *Batrachochytrium dendrobatidis* in wild anuran populations. *EcoHealth*
- ANGELONI, L., M.A. **SCHLAEPFER**, J. J. LAWLER, AND K.R. CROOKS. (in press). A Reassessment of the Interface between Conservation and Behaviour. *Animal Behaviour*.
- LAWLER, J, J. E. AUKEMA, J. B. GRANT, B.S. HALPERN, P. KAREIVA, C.R. NELSON, K. OHLETH, J. D. OLDEN, M.A. **SCHLAEPFER**, B.R. SILLIMAN, AND P. ZARADIC (2006). Conservation science: a 20-year report card. *Frontiers in Ecology and the Environment* 4:473-480.
- SCHLAEPFER, M.A.** (2006). Growth rates and body condition in *Norops polylepis* (Polychrotidae) vary with respect to sex but not mite load. *Biotropica* 38: 414-418
- HALPERN, B.S., C.R. PYKE, H.E. FOX, J.C. HANEY, M.A. **SCHLAEPFER**, and P. ZARADIC (2006). Gaps and mismatches between global conservation priorities and spending. *Conservation Biology* 20: 56-64
- *SOCCI, A.M., M.A. **SCHLAEPFER**, and T.A. GAVIN (2005). The importance of soil moisture and leaf cover in a female lizard's (*Norops polylepis*) evaluation of potential oviposition sites. *Herpetologica* 61: 233-240
- SCHLAEPFER, M.A., C. HOOVER, and K. DODD, JR.** 2005. Challenges in evaluating the impact of the trade in amphibians and reptiles on wild populations. *BioScience* 55: 256-264.
Subject of an article in *Nature Conservancy Magazine*, Autumn 2005
- SCHLAEPFER, M.A., P.W. SHERMAN, B. BLOSSEY, and M.C. RUNGE.** 2005. Invasive species as evolutionary traps. *Ecology Letters* 8:241-246.
Featured in *Conservation Biology in Practice* (July-Sept 2005, Vol 6. No 3)
- SCHLAEPFER, M.A.** 2003. Successful lizard eggs in a human-disturbed habitat. *Oecologia* 137:304-311.

SCHLAEPFER, M.A. and K.A. PILGRIM 2003. Geographic Distribution. *Bufo marinus*. Herpetological Review 34:161.

SCHLAEPFER, M.A., M.C. RUNGE, and P.W. SHERMAN 2002. Ecological and evolutionary traps. Trends in Ecology and Evolution 17:474-480.

Subject of an article in *Conservation Biology in Practice* (Winter 2003/Vol. 4 No. 1)

Subject of an article in *Chronicle for Higher Education* (Oct. 18, 2002)

Subject of an article in *Der Spiegel* (German weekly; No. 25 June 2005)

SCHLAEPFER, M.A. and T.A. GAVIN 2001. Edge effects on lizards and frogs in tropical forest fragments. *Conservation Biology* 15:1079-1090.

FRANCE, R. and M.A. **SCHLAEPFER** 2000. $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ depletion in components of a foodweb from an ephemeral boreal wetland compared to boreal lakes: putative evidence for microbial processes. *Hydrobiologia* 439: 1-6.

SCHLAEPFER, M.A. and J. MCNEIL 2000. Are virgin male lepidopterans more successful in mate acquisition than previously mated individuals? A study of the European corn borer *Ostrinia nubilalis* (Lepidoptera: Pyralidae). *Canadian Journal of Zoology* 78:2045-2050.

SCHLAEPFER, M.A. and R. SANDÍ-FIGEROA 1998. Female reciprocal calling in *Eleutherodactylus podiciferus*. *Copeia* 1998:1076-1080.

SCHLAEPFER, M.A. 1998. Use of a fluorescent powder marking technique on small terrestrial anurans. *Herpetological Review* 29:25-26.

* Undergraduate author

Manuscripts (submitted):

*J.A. SOSA, **SCHLAEPFER, M.A.**, AND M.J. RYAN. Inducible defenses of native lowland leopard frog larvae (*Rana yavapaiensis*) do not confer a survival advantage against introduced green sunfish (*Lepomis cyanellus*). (submitted to *Herpetologica*)

Book chapter:

SCHLAEPFER, M.A., M.C. RUNGE, and P.W. SHERMAN. (in review). Evolutionary traps and the importance of behavioral ecology to conservation biology. In *Evolutionary Behavioral Ecology*, (Eds.) Westneat & Fox

Non peer-reviewed publications and outreach materials:

SCHLAEPFER, M.A. 2007. Is there a role for evolutionary management in addressing the threat of chytridiomycosis? *Science* <http://www.sciencemag.org/cgi/eletters/313/5783/48#9865>

SCHLAEPFER, M.A. 2005. Re-wilding: a bold plan that needs native megafauna. *Nature* 437: 951.

SCHLAEPFER, M.A. 2004. On-line field guide to the amphibians and reptiles of Las Cruces, Costa Rica. (http://www.smithfellows.org/fellows/schlaepfer/edge/Field_guide_main_page.cfm).

SCHLAEPFER, M.A. and S.J. MORREALE 2001. Herp species accounts pp. 133-145 *in* Hands-on Herpetology (Schneider, R.L., Krasny M.E., and S.J. Morreale) National Science Teachers Association Press, Arlington, Virginia.

Book Review:

SCHLAEPFER, M.A. 2003. The Amphibians and Reptiles of Costa Rica, by Jay Savage. *Quarterly Review of Biology* 78: 103-103.

Grants (in US\$; sole PI unless otherwise noted):

Austin Community Foundation (\$104,000), Endangered Species Research, Co-PI with Drs. Gluesenkamp and Poteet	2007-2009
D.H. Smith Postdoctoral Fellowship, Nature Conservancy (\$130,000)	2003-2006
EPA-STAR Predoctoral Research Fellowship, U.S. Environmental Protection Agency (\$69,000 + tuition)	1999-2002
Andre Mellon Student Research Award (\$1,000)	1998
Sigma Xi Grants-in-Aid of Research and Cornell Chapter (\$700)	1998
Sigma Xi Cornell Chapter (\$200)	1998
Scott Neotropic Research Award, Lincoln Park Zoo (\$4,000)	1998
Las Cruces Research Scholarship, Organization for Tropical Studies (\$1,000)	1997-1998
Pre-doctoral scholarship, U.S. National Science Foundation (\$45,000 + tuition)	1995-1999
Travel Award, Cornell University Graduate School (\$2,000)	1995, 1997

Invited Seminars:

State University of New York, Syracuse	2006
University of Fribourg, Switzerland (Evolutionary perspectives on invasives)	2006
Virginia Tech, Blacksburg VA	2006
Fordham University, Bronx, NY	2006
University of Bristol, Bristol, United Kingdom	2006
Arizona State University (J. Collins lab), Tempe, AZ	2005
University of Texas (Section of Integrative Biology), Austin, TX	2003
University of California (Center for Population Biology), Davis, CA	2002
University of Texas (M. Ryan lab), Austin, TX	2002
Ithaca High School (Environmental Action Club), Ithaca, NY	2002
Cornell University (Dept. of Neurobiology and Behavior), Ithaca, NY	2002
Cornell University (Dept. of Ecology and Evolutionary Biology), Ithaca, NY	2002
University of Zurich (U. Reyer lab), Zurich Switzerland	2001
University of Neuchâtel (M. Rahier lab), Neuchâtel, Switzerland	2001
University Lyon (P. Joly lab), Lyon France	2001
State University of New York (Department of Biology), Albany, NY	1998

Conference Presentations (first author paper, unless noted with *):

Society for Conservation Biology, San Jose, CA	2006
Ecological Society of America, Montreal, Canada	2005
Wildlife Society, Madison, WI*	2005
Society for Conservation Biology, New York, New York.	2004
Swiss Zoology Society, Zurich, Switzerland	2003
Ecological Society of America, Tucson, Arizona.	2002
Society for Conservation Biology, Hilo, Hawaii	2001
Swiss Zoology Society, Neuchâtel, Switzerland	2001
Ecological Society of America, Baltimore, Maryland	1999
Society for the Study of Amphibians and Reptiles, State College, Pennsylvania	1999
Society for the Study of Amphibians and Reptiles, Guelph, Ontario	1998
Professional Association of Tropical Biologists, San Jose, Costa Rica	1997

Professional Society Memberships:

Ecological Society of America (1998-date)
 Society for the Study of Amphibians and Reptiles (1996-date)
 Society for Conservation Biology (1996-lifetime member)

Professional Service and Activities:*Reviewer for journals:*

TREE, Proceedings of the Royal Society of London, Ecology Letters, Biology Letters, BioScience, Ecology, Conservation Biology, Biological Conservation, Animal Behavior, Behavioral Ecology and Sociobiology, Oikos, Oecologia, Copeia, Biodiversity and Conservation, Journal of Herpetology, Journal of Tropical Biology, Herpetological Review

Reviewer for granting institutions:

U.S. National Science Foundation (NSF); Smith Fellowship in Conservation Biology; Netherland's Organization for Scientific Research; Amphibian Research Monitoring Initiative (ARMI); Northwest Fisheries Science Center's Internal Grants Program

Languages:

Bilingual French-English; good working knowledge of Spanish and German.

Citizenship:

U.S.A., Switzerland

References:

Prof. Thomas Gavin (doctoral advisor)
 Dept of Natural Resources, Fernow Hall, Cornell University, Ithaca, NY 14853-3001. Tel: (607) 255-2841. Email: tag1@cornell.edu

Prof. Paul Sherman (doctoral committee and postdoctoral advisor)
 Dept of Neurobiology and Behavior, Mudd Hall, Cornell University, Ithaca, NY 14853-2702.
 Tel: (607) 254-4333. Email: pws6@cornell.edu

Prof. Kelly Zamudio (doctoral committee member)
Dept of Ecology and Evolutionary Biology, Corson Hall, Cornell University, Ithaca, NY 14853-2701. Tel: (607) 254-4212. Email: krz2@cornell.edu

Prof. Michael Ryan (postdoctoral advisor)
University of Texas, Integrative Biology, 1 University Station C0930, Austin, TX 78712. Tel: (512) 471-5078. Email: mryan@mail.utexas.edu

Dr. Peter Kareiva (head scientist at The Nature Conservancy, USA)
The Nature Conservancy, 4245 N. Fairfax Drive, Suite 100, Arlington, VA 22203. Tel: N/A.
Email: pkareiva@tnc.org