

DANIELLA M. SWENTON**CURRICULUM VITAE**

Department of Biology
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EDUCATION

- Ph.D. in Biology, *University of New Mexico* 2011
Dissertation: “*Divergence in the Ecology of Two Species of Gambusia in Secondary Contact.*”
Committee Chair: Astrid Kodric-Brown
- B.S., with Honors, in Environmental Science with Biology Concentration, *University of Vermont* 2003
Minor: History
Honors Thesis: “*Diel patterns among individual ringed seals, Phoca hispida.*”
Advisors: Alison K. Brody & Nicholas J. Gotelli

RESEARCH & TRAINING EXPERIENCE

- Postdoctoral Research Fellow, *Clark University* 2010-
Supervisors: Susan A. Foster & John A. Baker
- Molecular Genetics of Stickleback Course, *Stanford University* 2009
- Honors Thesis Research, *University of Vermont* 2002-2003
- Undergraduate Research Assistant, *University of Vermont* 2002-2003
Supervisors: Sarah Wittman & Nicholas Gotelli
- NSF Research Experience for Undergraduates, *University of Alaska Southeast* 2002
Supervisor: Brendan Kelly
- Undergraduate Research Assistant, *Rocky Mountain Biological Laboratory* 2001
Supervisors: Rebecca Irwin & Alison Brody

TEACHING & PROFESSIONAL PREPARATION

- Visiting Assistant Professor, *Clark University* 2010-
Course instructor for- Population Genetics (Fall 2010), Genetics (Spring 2011), Conservation Biology (Spring 2010 & 2011), & Introduction to Biology (Genetics section; Fall 2010)
- EMRGE GK-12 Fellow, *National Science Foundation & University of New Mexico* 2008-2009
websites: <http://epswww.unm.edu/gk-12/> & <http://www.gk12.org/>
- Teaching Assistant & Co-Instructor for Animal Behavior course, *University of New Mexico* 2006
- Laboratory Science Writer, Editor, & Illustrator, *University of New Mexico & Pearson Publishing* 2005-2009
- Undergraduate Laboratory Preparatory Assistant, *University of New Mexico* 2004-2006
- Teaching Assistant, *University of New Mexico* 2003-2008
Courses: Undergraduate Ecology and Evolution, Cell Biology, Biology for Non-Majors, & Biology for Health Majors.

RESEARCH GRANTS

- Doctoral Dissertation Improvement Grant (DDIG), *National Science Foundation* 2008-2010
Behavioral and Ecological Factors Mediating the Co-occurrence of Two Gambusia Species (\$11,830)
- Share with Wildlife Research Grant, *New Mexico Department of Game and Fish* 2008-2009
Molecular Analysis of Hybridization Between Two Gambusia Species (\$13,000)
- The Clifford Crawford Scholarship for Aquatic Ecology, *University of New Mexico* (\$1,500) 2006
- Alvin R. and Caroline G. Grove Research Scholarship, *University of New Mexico* (\$1,500) 2006
- Share with Wildlife Research Grant, *New Mexico Department of Game and Fish* 2004-2007
Coexistence between Two Species of Gambusia (12,000)

Student Research Allocations Committee Research Grant, <i>University of New Mexico</i>	2004-2007
Graduate Research Allocations Committee Research Grant, <i>University of New Mexico</i>	2004-2007

FELLOWSHIPS & AWARDS

Postdoctoral Research Fellow, Clark University	2010-
EMRGE GK-12 Fellowship, <i>National Science Foundation & University of New Mexico</i> (\$30,000)	2008-2009
Jan Smith Award for Best Application of Behavior to Fish Conservation <i>Ecological and Evolutionary Ethology of Fishes Meeting, Boston, MA</i>	2009
2 nd Place, Best Poster Presentation, Research Day, <i>University of New Mexico</i>	2008
Bernd Heinrich Award in Physiology and Evolution, <i>University of Vermont</i>	2003
John Dewey Honors Scholar, <i>University of Vermont</i>	2003
Phi Beta Kappa, Phi Alpha Theta, and Eta Sigma Phi Scholar, <i>University of Vermont</i>	2003
Simon Family Scholar, <i>University of Vermont</i> (Merit-based, half-tuition scholarship)	1999-2003

PUBLICATIONS & PEER-REVIEWED ARTICLES

Swenton, D.M. 2011. Sex differences in mate preference between two hybridizing species of poeciliid fish. *Ethology* 117:208-216.

Swenton, D.M. & A. Kodric-Brown (*Manuscript accepted, Environmental Biology of Fishes*). Habitat differences and life history differences between two species of *Gambusia*

Barlow, A., J.A. Baker, & **D.M. Swenton** (*Submitted to Functional Ecology*). The effect of incubation temperature on embryo development and fry size in five populations of *Gasterosteus aculeatus*.

Contributor to: Sparknotes 101: Biology. 2008. Barnes & Noble publishing, New York.

Council-Garcia, C.L., S. Ligon, B. Milne, R. Thornhill, and **D.M. Swenton**. 2005. Biology 203L Evolution and Ecology Lab Manual. Pearson Publishers.

MANUSCRIPTS

Swenton, D.M., T.F. Turner, & M.J. Osborne (*In preparation for Molecular Ecology*). Genetic characterization of the endangered *Gambusia nobilis*, the invasive *G. affinis* and their hybrid zone on Bitter Lake National Wildlife Refuge

Swenton D.M., T. Kennedy, & A. Kodric-Brown (*In preparation for Ecology of Freshwater Fish*). The use of d¹⁵N and d¹³C to assess isotope niche space of fish assemblages in a desert aquatic system

D.M. Swenton, A. Mazzarella, J. A. Baker, & S. A. Foster (*In progress*). Maternal effects and stress response in female stickleback as a function of evolutionary mismatch in social environment.

MENTORING & PROFESSIONAL SERVICE

Master's Committee Member, Alicia Barlow, Master's Student in Biology, <i>Clark University</i>	2010-
Research mentor for Alicia Barlow, Master's Student in Biology, <i>Clark University</i>	2010-
Research mentor for Anna Mazzarella, Master's Student in Biology, <i>Clark University</i>	2010
Assistant mentor for Science Olympiad team, <i>Sarracino Middle School, Socorro, NM</i>	2008-2009
Co-Chair, Graduate Research Allocations Committee, Biology Graduate Student Association, <i>University of New Mexico</i>	2006-2009
Research mentor for Beth Belding, Biology major, <i>University of New Mexico</i>	2005-2007
Co-Coordinator, Reading Books onto Tape Program, Student Services, <i>University of Vermont</i>	2000-2002
Peer reviewer for: <i>Oecologia, Ethology, Copeia, Animal Behaviour, Environmental Biology of Fishes</i>	

SELECTED PRESENTATIONS AT SCIENTIFIC & PROFESSIONAL MEETINGS

Swenton, D.M. *Clark University*, Department of Biology Seminar (Invited; 2010).

Swenton, D.M. & A. Kodric-Brown. *Annual Conference of the Ecological Society of America* (2009).

Swenton, D.M., & A. Kodric-Brown. *Annual Conference of the American Fisheries Society, Western Division Meeting* (2009).

Swenton, D.M. *Annual NSF GK-12 Conference, STEM Research Presentations* (2009).

Barker, B.S, B.P. Theiling, J.C. Lopez Pearce, **D.M. Swenton**, J. Thomas, S. Whiteman, K. Herrera, D. Jaramillo, D. Jones, A. McCleary, H. Yazzie, K. Michelson, Y.E. Sawyer, O. Shufeldt, S. Yurchyk, L.J. Crossey and S.L. Collins. *Annual NSF GK-12 Conference, STEM Teaching Presentations* (2009).

Swenton, D.M. *Annual Meeting of the Animal Behavior Society* (2008).

Swenton, D.M. *Ecological and Evolutionary Ethology of Fishes Meeting* (2008).

Swenton, D.M. *University of New Mexico Research Day* (2008).

Swenton, D.M., A. Kodric-Brown, T.F. Turner, and M.J. Osborne. *Annual Meeting of the Desert Fishes Council* (2007).

Swenton, D.M. *Bitter Lake National Wildlife Refuge Aquatic Symposium* (2006).

Swenton, D.M. *Annual Meeting of the Desert Fishes Council* (2006).

Swenton, D.M. & A. England. *University of New Mexico Research Day* (2005).

Swenton, D.M. *University of New Mexico Research Day* (2005).

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Society for the Study of Evolution, Ecological Society of America, American Society of Naturalists, Animal Behavior Society, Desert Fishes Council, American Fisheries Society

ADVISORS & PROFESSIONAL REFERENCES

Ph.D. Advisors

Astrid Kodric-Brown, Professor, *University of New Mexico* (Kodric@unm.edu)

Blair O. Wolf, Associate Professor, *University of New Mexico* (Wolf@unm.edu)

Thomas F. Turner, Professor, Director, & Curator, *The Division of Fishes, Museum of Southwestern Biology* & *University of New Mexico* (Turnert@unm.edu)

Joel C. Trexler, Professor, *Florida International University* (Trexlerj@fiu.edu)

Postdoctoral Advisors

Susan A. Foster, Professor, Warren Litsky Endowed Chair in Biology, *Clark University* (SFoster@ClarkU.edu)

John A. Baker, Associate Research Professor, George Perkins Marsh Institute Research Fellow, *Clark University* (JBaker@ClarkU.edu)

Other mentors & references

Eric L. Charnov, Distinguished Professor, *University of New Mexico* (rlc@unm.edu)

Cara Lea Council-Garcia, Lecturer, Undergraduate Laboratory Coordinator, *University of New Mexico* (ccouncil@unm.edu)