

NAME: Melissa A. Miller
TITLE: Graduate Student Instructor
DEPARTMENT: Biological Sciences
COLLEGE: Arts and Sciences

DEGREES

- M.S. Sam Houston State University, Huntsville, TX (current)
Major: Biological Sciences
Advisor: Dr. William I. Lutterschmidt
Thesis: Comparative Skin Permeability of Two Congeneric and Sympatric Pitvipers: Does physiology influence habitat selection?
- B.S. Northern Kentucky University, Highland Heights, KY (2005)
Major: Biological Sciences, Minor: Chemistry
Advisor: Dr. Richard D. Durtsche

PROFESSIONAL LECENSURE and CERTIFICATIONS N/A

PEER-REVIEW PUBLICATIONS and ARTISTIC PERFORMANCES/ EXHIBITIONS

Articles

Ray, Julie, M., Hein, Andrew., Gonzalez, Aurelio., Goetz, Scott M., and **Melissa A. Miller**. 2008. *Imantodes cenchoa* (Brown Blunt-Nosed Vine Snake). DIET. Herpetological Review. (*In review*)

Ray, Julie, M., Gonzalez, Aurelio., Goetz, Scott M., and **Melissa A. Miller**. 2008. *Imantodes cenchoa* (Brown Blunt-Nosed Vine Snake). MAXIMUM SIZE. Herpetological Review. (*In review*)

Books N/A

Chapters N/A

Proceedings N/A

Artistic Performances N/A

Artistic Exhibitions N/A

RESEARCH MONOGRAPHS and TECHNICAL REPORTS N/A

FUNDED EXTERNAL GRANTS

Greave's Undergraduate Research Fellowship (\$3,000), Northern Kentucky University (Summer 2003)

International Studies Scholarship for travel to Brazil (\$600), Northern Kentucky University, Office of International Studies (May 2003)

International Studies Scholarship for travel to Costa Rica (\$800), Northern Kentucky University, Office of International Studies (March 2003)

Clara L. Richards Award in Biology (\$150), Northern Kentucky University (May 2003)

PEER REVIEW PRESENTATIONS/POSTERS

- Miller, M.** "Comparative Skin Permeability in Two Sympatric and Congeneric Pitvipers: Does Physiology Influence Habitat Selection?" Faculty Advisor: William I. Lutterschmidt.
- i. Texas Academy of Science Annual Meeting, March 6-8, 2008. Corpus Christi, TX (Poster)
 - ii. Southwestern Association of Naturalists Annual Meeting, April 10-12, 2008. Memphis, TN (Poster)
- Miller, M.** "Microhabitat Use by Lizards Across Three Tropical Islands of Differing Habitat Density." Faculty Advisors: Charles Acosta and Richard Durtsche.
- i. Celebration of Student Research and Creativity in the College of Arts & Sciences, April 19, 2005. Northern Kentucky University, Highland Heights, KY (Poster)
 - ii. Kentucky Academy of Science Meeting, November 5, 2004. Murray, KY (Paper)
- Miller, M.** and Goetz, S. "The Effect of a Mixed Diet in Anuran Larvae." Faculty Advisor: Richard Durtsche.
- i. Posters-at-the Capitol, February 3, 2005. Frankfort, KY (Poster)
 - ii. Kentucky Academy of Science Meeting, November 5, 2004. Murray, KY (Poster)
- Miller, M.** "Microhabitat and Food Resource Use by Tadpoles of the Wood Frog (*Rana sylvatica*)." Faculty Advisor: Richard Durtsche.
- i. Celebration of Student Research and Creativity in the College of Arts & Sciences, April 26, 2004. Northern Kentucky University, Highland Heights, KY (Poster)
 - ii. Beta Beta Beta Biological Honor Society, Southeast District I & II Convention, April 14-17, 2004. Memphis, TN (Poster)
 - iii. Posters-at-the Capitol, February 9, 2004. Frankfort, KY (Poster)
 - iv. Kentucky Academy of Science Meeting, November 11, 2003. Bowling Green, KY. (Paper)
- Miller, M.** "Nutrient Assimilation in Tadpoles of the Green Frog (*Rana clamitans*)." Faculty Advisor: Richard Durtsche.
- i. Joint Meeting of Ichthyologists and Herpetologists, June 26, 2003. Manaus, Amazonas, Brazil (Paper)
 - ii. Celebration of Student Research and Creativity in the College of Arts &

- Sciences, April 14, 2003. Northern Kentucky University, Highland Heights, KY (Paper)
- iii. Southeast District I & II Convention, Beta Beta Beta Biological Honor Society, April 11, 2003. Arlington, VA (Poster)
 - iv. Posters-at-the Capitol, February 6, 2003. Frankfort, KY (Poster)
 - v. Kentucky Academy of Science Meeting, November 7-9, 2002. Highland Heights, KY (Paper)

- Miller, M.** and Quammen J. "Nutrient Assimilation Efficiency and Digestive Enzyme Activity in Tadpoles from Temperate Regions." Faculty Advisor: Richard Durtsche.
- i. Posters on Capitol Hill, April 1, 2003. Washington, D.C. (Poster)

WORK or PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant Department of Biological Sciences, Sam Houston State University, Huntsville, Texas

Research Assistant under supervision of Dr. Charles Acosta. Wildlife Conservation Society (WCS) Marine Research Station, Glover's Reef, Middle Cay, Belize

Seasonal Naturalist Hamilton County Park District, Cincinnati, Ohio

Educator Ohio River Valley Water Sanitation Commission (ORSANCO) Education Foundation, Newport, Kentucky

Outreach Education Intern Split Rock Conservation Park, Petersburg, KY

Research Assistant under supervision of Dr. Richard Durtsche. Physiological Ecology Lab, Department of Biological Sciences, Northern Kentucky University

HONORS and AWARDS

Special Graduate Studies Scholarship (\$3,000), Sam Houston State University, (Fall 2007- Spring 2008)

Third Place, Zoology Award (Poster) Kentucky Academy of Science Meeting, Murray, KY. "The Effect of a Mixed Diet in Anuran Larvae." Faculty Advisor: Richard Durtsche (November 5, 2004)

First Place, John C. Johnson Award (Poster) Beta Beta Beta Biological Honor Society, Southeast District I & II Convention, Memphis, TN. "Microhabitat and Food Resource use by Tadpoles of the Wood Frog (*Rana sylvatica*)." Faculty Advisor: Richard Durtsche (April 2004)

Certificate of Recognition for Outstanding Research Presentation (Poster) Association of Southeastern Biologists (ASB) Convention, Memphis, TN. "Microhabitat and Food Resource use by Tadpoles of the Wood Frog (*Rana sylvatica*)." Faculty Advisor: Richard Durtsche (April 2004)

First Place, Zoology Award (Paper) Kentucky Academy of Science Meeting, Bowling Green, KY. "Microhabitat and Food Resource use by Tadpoles of the Wood Frog (*Rana sylvatica*)." Faculty Advisor: Richard Durtsche (November 2003)

Clara L. Richards Award in Biology (\$150), Northern Kentucky University (May 2003)

Selected Presenter, Posters on Capitol Hill (Poster) Washington DC. "Nutrient Assimilation Efficiency and Digestive Enzyme Activity in Tadpoles from Temperate Regions." Faculty Advisor: Richard Durtsche (April 2003)

OTHER COMPETENCIES

Visiting Teaching Assistant Tropical Ecology Field Course in Costa Rica, Northern Kentucky University, Highland Heights, KY

Teaching Assistant Herpetology, Department of Biological Sciences, Northern Kentucky University, Highland Heights, KY

Teaching Assistant Vertebrate Zoology, Department of Biological Sciences, Northern Kentucky University, Highland Heights, KY

Teaching Assistant Fun with Science Camp Outreach Program, Northern Kentucky University, Highland Heights, KY