

**Lisa Rania Ganser**  
**Curriculum Vitae**

**Laboratory**

Department of Biology  
1301 Memorial Drive  
University of Miami  
Coral Gables, Florida 33124  
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**Home**

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Miami, Florida 33143  
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**Education**

- 08/02-pres. University of Miami  
Department of Biology  
1301 Memorial Drive  
Coral Gables, Florida 33124  
PhD. Student
- 08/95-12/98 Northern Arizona University  
Department of Biological Sciences  
Flagstaff, Arizona 86011-5640  
MS Biology 12/98  
Thesis: Sex Differentiation and the Effects of Endocrine Disrupting  
Chemicals in Two Anuran Species.
- 08/90-05/94 Saint Mary's College  
Notre Dame, Indiana 46556  
BS Biology  
Senior Comprehensive: Light and Ultrastructural Analysis of the Seasonal  
Differences in Spermathecae in the Marbled Salamander.
- 05/92-07/92 Butler University  
Indianapolis, Indiana 46208
- 08/91-12/91 Marquette University  
Milwaukee, Wisconsin 53233

**Honors Received**

- 1996 Nominated outstanding graduate teaching assistant  
1994 Academic honors  
1994 Mother Rose Elizabeth Award for excellence in biology

1994 Honors in senior comprehensive research  
 1993 Most improved. Varsity tennis  
 1992 Academic honors  
 1991 Academic honors

### Research and Professional Experience

01/03-pres. Graduate Teaching Assistant. Neurobiology Laboratory.  
 Drs. John Lu and William Evoy, faculty advisors.  
 University of Miami

08/02-12/02 Graduate Teaching Assistant. General Physiology Laboratory.  
 Dr. Kathleen Sullivan Sealey, faculty advisor.  
 University of Miami

06/02-07/02 Instructor coSTEP Science Outreach Program for Home-Schooled  
 7-12th grade students. Dr. Nancy Nekvasil, supervisor.  
 Saint Mary's College.

08/01-06/02 Professional Specialist  
 Biology and Human Values laboratory, Comparative and Human  
 Anatomy laboratories. Dr. Thomas Platt, chair.  
 Saint Mary's College.

01/01-05-01 Visiting Instructor  
 Biology and Human Values laboratory, Comparative Physiology lab,  
 Human and Comparative and Human Anatomy labs.  
 Dr. Richard Jensen, chair.  
 Saint Mary's College

01/01-01/02 Research Histologist.  
 Cytology of the liver of *Nerodia fasciata* following a diet of As and Se  
 contaminated fish from a coal ash site.  
 Dr. William Hopkins, supervisor. Savannah River Ecology Lab.

Research Histologist.  
 Using skeletochronology of phalanges to determine age in the Marbled  
 Salamander, *Ambystoma opacum*.

08/00-12/00 Visiting Instructor.  
 Biology and Human Values course and laboratory.  
 Dr. Richard Jensen, chair  
 Saint Mary's College

- 06/00-12/00 Instructor coSTEP Science Outreach Program for middle school students.  
Dr. Nancy Nekvasil, supervisor.  
Saint Mary's College.
- 06/00-07/00 Summer Instructor Human Anatomy and Physiology.  
Indiana University South Bend
- 08/99-06/00 Visiting Assistant Professor and Visiting Instructor.  
Human and Comparative Physiology Courses and Labs and  
Human Endocrinology. Anatomy Lab Instructor.  
Dr. Nancy Nekvasil, supervisor.  
Saint Mary's College
- 09/98-07/99 Histologist. Linda McGee, supervisor.  
Mayo Foundation for Medical Education and Research.  
Rochester, Minnesota.
- 06/97-08/98 Research Assistant. Dr. Catherine Propper, advisor.  
Northern Arizona University.
- 01/97-05/97 Graduate Teaching Assistant. Human Anatomy and Physiology.  
Dr. Paul Holmgren, advisor. Northern Arizona University.
- 08/95-12/96 Graduate Teaching Assistant. Animal Physiology.  
Drs. Ronald Markle and Lon Owen, advisors.  
Northern Arizona University
- 08/95-12/95 Independent Researcher.  
Dr. Kurt Buhlmann, advisor.  
Savannah River Ecology Lab/ George Washington National Forest
- 02/95-04/95 Microbiology Lab Assistant.  
South Bend Medical Foundation.
- 01/95-06/95 Physiology Lab Technician.  
Dr. Ken Olson, advisor.  
Indiana Univ. Med School South Bend Center for Medical Education
- 08/94-12/94 General Biology Laboratory Instructor.  
Dr. Doris Watt, advisor.  
Saint Mary's College
- 06/94-08/94 Undergraduate Researcher.  
Dr. John Krenz, advisor  
Savannah River Ecology Lab.

- 08/94-05/94 Work Study Student. Immunology and General Biology.  
Saint Mary's College.
- 08/94-05/94 Undergraduate teaching assistant. General Biology, Comparative  
Anatomy, and Comparative Physiology.
- 06/93-08/93 Tennis Coach and Camp Counselor.  
Saint Mary's College Summer Sports Camp
- 06/93-08/93 Biology Student Researcher.  
Dr. David Sever, advisor.  
Saint Mary's College.
- 09/92-12/93 Work Study Student. Biology and Chemistry.  
Saint Mary's College.
- 01/92-08/92 Student Worker.  
Saint Mary's College Dining Hall.
- 09/91-12/91 Biology and French Tutor.  
Associated Students of Marquette University.

### **Internships**

- 1991 Physical Therapy  
Community Hospital, Indianapolis
- 1992 Pathology  
Saint Vincent's Hospital, Indianapolis

### **Volunteer Projects**

- 1993 Appalachia Program Saint Mary's College  
Nora, Virginia
- 1994 Flood Relief, University of Notre Dame  
Saint Louis, Missouri

### **Scholarships, Awards Received and/or Anticipated**

#### Undergraduate

- 1990 Muskegon Community Foundation Scholarship  
1991 Marquette University Scholarship

#### Graduate

- 1995-1998 Tuition Waivers, Northern Arizona University  
2002-pres. Tuition Waiver, University of Miami

## Federal Assistance, Grants, Awards Received and/or Anticipated

### Undergraduate

- 1994 Research under Dr. David Sever's grant from the National Science Foundation
- 1995 Research under a grant from the George Washington National Forest.

### Graduate

- 1997-98 Minority Biomedical Research Program. Northern Arizona University.
- 1996-98 Research grant from the National Council for Tobacco Research. Dr. Catherine Propper, advisor.
- (2002) Applied for EPA-MIA grant 10/2002.

## Presentations Given

- 2001 Histopathology of the Banded Water Snake, *Nerodia fasciata*, following chronic exposure to trace-element contaminated prey from a coal ash disposal site. **Rania, L.C.**, W.A. Hopkins, L. O'Neil, S. Hasse, J.H. Roe, and D.M. Sever. Society for the Study of Amphibians and Reptiles. Indianapolis, Indiana.
- 2000 Comparative Biology of Sperm Storage in Amphibians. Sever, D.M., **L.C. Rania**, and R. Brizzi. Invited symposium speaker. International Congress of Zoology. Athens, Greece.
- 2000 Reproductive Biology of the Internal Fertilizing Frog *Ascaphus trueii*. **Sever, D.M.**, E.C. Moriarty, L.C. Rania.
- 1998 A population of bullfrog tadpoles with a highly female-biased sex ratio. Society for the Study of Amphibians and Reptiles. Guelph, Canada.
- 1996 An unusual population of bullfrog tadpoles from Northern Arizona. Declining Amphibian Populations Task Force Southwest Working Group. Phoenix, Arizona.
- 1994 Non-lethal Age Determination of Marbled Salamanders. Savannah River Ecology Lab Undergraduate Research Symposium.
- 1994 The annual cycle of sperm storage in the Marbled Salamander. Butler University Undergraduate Research Conference.

**Publications** (all publications are listed in my maiden name, Lisa C. Rania)

Sever, D. M., Rania, L. C., and R. Brizzi. 2003. Sperm storage in the class Amphibia. Pp. 414-421. In Legakis, A., Sfenthourakis, S., Polymeni, R., and M. Thessalou-Legaki (eds), *The New Panorama of Animal Evolution. Proc. 18th Int. Congr. Zoology*, Pensoft Publishers, Sofia-Moscow.

Rania Ganser L., W.A. Hopkins, L. O'Neil, S. Hasse, J.H. Roe, and D.M. Sever. Histopathology of the liver of the southern water snake, *Nerodia fasciata*, following chronic exposure to trace element-contaminated prey from a coal ash disposal site. Accepted for publication in the *Journal of Herpetology* March 2002.

Sever, D.M., E.C. Moriarty, L.C. Rania, L.V. Diller, and W.C. Hamlett. 2001. Reproductive biology of the internal fertilizing frog *Ascaphus truei* (Anura: Leiopelmatidae). *J. Morph.* 248: 1-21.

Sever, D.M., L.C. Rania, and J.D. Krenz. 1996. Reproduction of the salamander, *Siren intermedia* Le Conte with especial reference to oviducal anatomy and mode of fertilization. *J. Morph.* 227: 335-348.

Sever, D.M., L.C. Rania, and J.D. Krenz. 1996. The annual cycle of sperm storage in the spermathecae of the Red-Spotted Newt, *Notophthalmus viridescens* (Amphibia: Salamandridae). *J. Morph.* 227:1-16

Sever, D.M., J.D. Krenz, K.M. Johnson, and L.C. Rania. 1994. Morphology and evolutionary implications of the annual cycle of secretion and sperm storage in spermathecae of the salamander *Ambystoma opacum* (Amphibia: Ambystomatidae). *J. Morph.* 222: 1-12.

**References**

Dr. James C. O'Reilly. Assistant Professor. Department of Biology. University of Miami. 1301 Memorial Drive. Coral Gables, FL 33124. (305) 284-4797. oreilly@bio.miami.edu.

Dr. David M. Sever. Professor. Department of Biology. Saint Mary's College. Notre Dame, Indiana 46556. (574) 284-4665. dsever@saintmarys.edu.

Dr. Nancy P. Nekvasil. Professor. Department of Biology. Saint Mary's College. Notre Dame, Indiana 46556. (574) 284-4674.

Dr. Richard Jensen. Professor. Department of Biology. Saint Mary's College. Notre Dame, Indiana 46556. (574) 284-4671.

