

## Curriculum Vitae

Lynn Gillie  
Associate Professor of Biology  
Division of Mathematics and Natural Sciences  
One Park Place  
Elmira College  
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### **Education:**

Ph.D., Zoology, Southern Illinois University at Carbondale, Carbondale, IL. 1995

**Dissertation Title:** Search and handling time constraints and early experience effects on foraging behavior of a generalist, the white-footed mouse.

**Major area:** Behavioral Ecology

**Minor areas:** Statistics and Physiology

B.S., Biology, *magna cum laude*, University of Minnesota – Duluth, Duluth, MN. 1989

### **Professional Experience:**

Associate Professor of Biology – Elmira College, Elmira NY, 2004 – present

Assistant Professor of Biology - Elmira College, Elmira NY, 1997-2004

Visiting Assistant Professor of Biology (sabbatical replacement)- Truman State University, Kirksville, MO, 1996-1997

Visiting Assistant Professor of Biology (sabbatical replacement)- Beloit College, Beloit, WI, 1995-1996

Teaching Assistant - Southern Illinois University at Carbondale, Carbondale, IL, 1994-1995

### **Courses Taught:**

#### Science Majors:

Ecology

Animal Behavior

Comparative Anatomy

Animal Physiology

Biological Concepts II

Biology Junior Seminar

#### Mixed majors or non-majors:

Field Biology

Animal Behavior

The Science of Flight

Marine and Island Ecology field course on San Salvador Island, Bahamas

In Darwin's Footsteps: Evolutionary Theory in the Galapagos field course

Humanities Service courses:

Freshman Studies: When Worlds Collide

Core 3000: The Evolution of Modern Times

Independent Studies and/or Graduate courses:

Behavioral Ecology

Mammalogy

Ornithology

Evolution

Applied Animal Behavior

Marine Mammal Biology

**Current research projects in progress:**

1. livetrapping census and space use of small mammals at Tanglewood Nature Center; use of refuges; home ranges; parasite occurrence
2. nesting success of brown booby and magnificent frigates on White Cay, San Salvador, Bahamas
3. woodchuck (*Marmota monax*) vigilance and anti-predator behavior
4. pedagogical techniques for teaching biology

**Publications:**

Gillie, L., and Bizub, A. 2012. In Darwin's Footsteps: An On and Off-Campus Approach to Teaching Evolutionary Theory and Animal Behavior. *Bioscene: Journal of College Biology Teaching* 38(1): 15-21.

Gillie, L. L., Erdman, R, and Egan, T. 2005. Linking research with teaching: Student projects at the GRC. Proceedings of the 10th Symposium on the Natural History of the Bahamas. Gerace Research Center Ltd. Pg 48-53.

Gillie, L. L., and Waring, G. H. 2002. Dog training laboratory: applied animal behavior. In: *Exploring Animal Behavior in Laboratory and Field*: (Ed by B. J. Ploger and K. Yasukawa). Academic Press

Gillie, L. L., and Waring, G. H. 2002. Dog training laboratory: applied animal behavior. In: *Exploring Animal Behavior in Laboratory and Field: Guidelines for Instructors*. (Ed by B. J. Ploger and K. Yasukawa). Desktop Publishing for Academic Press

Schmid, S., L. C. Drickamer, A. S. Robinson, and L. L. Gillie. 2001. Burrows of house mice (*Mus domesticus*) with a note about nest cleaning behavior. *American Midland Naturalist* 146:53-62.

Drickamer, L. C., and L. L. Gillie. 1998. Integrating proximate and ultimate causation in the study of vertebrate behavior: methods considerations. *American Zoologist* 38:43-58.

Gillie, L. L. 1997. Biodiversity lab: using local resources. *Bioscene - Journal of College Biology Teaching* 23:6-7.

### **Professional Presentations:**

Poster Presentation – American Society of Mammalogists, Philadelphia, Pennsylvania, June 2013.

LaBarron, D., and Gillie, L. 2013. Small mammal diversity in edge versus forest interior habitats.

Poster Presentation – Association of College and University Biology Educators, Sheboygan, Wisconsin, October 2012.

Gillie, L., and Jacobson, C. J. 2012. Teaching observation skills by studying natural and social history in Australia.

Poster Presentation – American Society for Microbiology,

Klinedinst, E., Mohr, J., Riling, J., Bezotte, C., and Gillie, L. 2012. Investigation of Hantavirus infected *Peromyscus leucopus* populations in rural upstate NY.

Poster presentation – BBB Biology Honor Society,

Mohr, J., Barone, A., Klinedinst, E., and Gillie, L. 2012. White-footed mouse (*Peromyscus leucopus*) population dynamics and hantavirus prevalence.

Oral presentation - Association of College and University Biology Educators, Lourdes College, Sylvania, Ohio, October 2010

Gillie, L. L. and Daggett, S. 2010. Pre-health professions advising resources: roundtable discussion

Poster presentation – Animal Behavior Society, College of William & Mary, Williamsburg, Virginia, July 2010

Keesom, S. M., and Gillie, L. L. 2010. Woodchuck (*Marmota monax*) predator threat assessment via buffer distance

Oral presentation – Association of College and University Biology Educators, Rockhurst University, Kansas City, Kansas, October 2009

Gillie, L. L., and Bizub, A. L. 2009. Student research projects in the Galapagos.

Poster presentation – Association of College and University Biology Educators, Hopkinsville Community College, Hopkinsville, Kentucky, October 2008

Gillie, L. L., Egan, T., and Perks, M. A. 2008. Post-course communication with non-science majors.

Poster presentation – Association of College and University Biology Educators, Loras College, Dubuque, Iowa, October 2007

Gillie, L. L. 2007. Ethograms in lab and field

Poster presentation – Animal Behavior Society, Burlington, Vermont; July 2007

Thompson, R., Gardner, R., and Gillie, L. L. 2007. Vigilance rates and flight initiation distances of the woodchuck (*Marmota monax*)

Poster presentation – Association of College and University Biology Educators, Millikin University, Decatur, Illinois; October 2006

Gillie, L. L., and Perks, M. A. 2006. Histodetective: Using Forensic Pathology to Teach Histology

Oral presentation – Association of College and University Biology Educators, Southeast Missouri State University, Cape Girardeau, Missouri; October 2005

Gillie, L. L. 2005. Presidential address: Student Misconceptions

Oral paper presentation – Association of College and University Biology Educators, Southeast Missouri State University, Cape Girardeau, Missouri; October 2005

Gillie, L. L. 2005. Integrating teaching, research, and service at a local nature center.

Oral paper presentation – Association of College and University Biology Educators, Wabash College, Crawfordsville, Indiana; October 2004

Gillie, L. L., Egan, T. and Perks, M. A. 2004. The Science of Flight.

Poster presentation - Association of College and University Biology Educators, Truman State University, Kirksville, Missouri; October 2003

Gillie, L. L., Erdman, R., and Egan, T. 2003. Student projects in a team-taught mixed major field course.

Poster presentation – The 10th Symposium on the Natural History of the Bahamas, Gerace Research Center, San Salvador, Bahamas; June 2003

Gillie, L. L., Erdman, R., and Egan, T. 2003. Linking research with teaching: Student projects at the GRC

Poster presentation - Association of College and University Biology Educators, Columbia College, Chicago Illinois; September 2002

Anthony, R. and Gillie, L. L. 2002. Introducing the Study of Complex Systems: Building a Conceptual and Functional Understanding Using Case-based Inquiry.

Poster presentation - Association of College and University Biology Educators, Columbia College, Chicago Illinois; September 2002

Gillie, L. L. 2002. Bimodal distributions.

Oral paper presentation - BioQUEST Workshop = Biocomplexity in Undergraduate Education:

- From Hard Data to Hard Decisions, Beloit College, Beloit, Wisconsin; June 2002  
 Anthony, R., Gillie, L., and Taylor, P. 2002. TB or Not TB? A Two-Part PBL Sequence on TB and Biocomplexity Designed for 6 Weeks of a Senior Seminar.
- Poster presentation - BioQUEST Workshop = Biocomplexity in Undergraduate Education: From Hard Data to Hard Decisions, Beloit College, Beloit, Wisconsin; June 2002  
 Gillie, L., Oliveira, A., and Timmerman, B. 2002. Bipinnate Leaves of *Gleditsia triacanthos* in Sun Versus Shade.
- Oral paper presentation - Association of College and University Biology Educators, University of Nebraska, Kearney; October 2001  
 Gillie, L. L. 2001. This isn't Club Med: Field Ecology in the Bahamas.
- Poster presentation - Association of College and University Biology Educators, Indiana State University, Terre Haute; October 2000  
 Gillie, L. L. 2000. Over-the-Counter Physiology.
- Invited presentation – Tanglewood Nature Center, Elmira New York; November 1999  
 Gillie, L. L. 1999. Mammals of Tanglewood: small mammal research.
- Oral paper presentation – Association of College and University Biology Educators, University of Wisconsin, River Falls; October 1999  
 Gillie, L. L. 1999. Misconceptions about Ecology: Surprises in Content and Process.
- Poster presentation – Animal Behavior Society – national meeting, Bucknell University, Lewisburg, Pennsylvania; summer 1999  
 Gillie, L. L., Drickamer, L. C., and Audette, K. 1999. Temporal and spatial home range overlap of feral house mice, *Mus domesticus*.
- Poster presentation – Association of College and University Biology Educators, Rockhurst College, Kansas City, Kansas; October 1998  
 Gillie, L. L., Perks, M. A., and Wertis, J. 1998. It's Alive! Interactive zoology laboratories.
- Poster presentation - Biological Sciences Symposium, SUNY-Binghamton; November 1997  
 Gillie, L. L. 1997. Search patterns within food patches by white-footed mice, *Peromyscus leucopus*.
- Invited presentation - Beta Beta Beta biological honor society meeting at Truman State University; October 28, 1996  
 Gillie, L. L. 1996. Of mice and men.
- Poster presentation - American Society of Mammalogists-national meeting, Grand Forks, North Dakota; summer 1996  
 Gillie, L. L. 1996. Search patterns within food patches by white-footed mice, *Peromyscus leucopus*: Efficient or not?

Poster presentation - Pew Midstates Science and Mathematics Consortium Workshop on Introductory Biology Teaching, Macalester College, St. Paul, Minnesota; February 1996  
Fass, M., Gillie, L. L., Roy, M., and Yasukawa, K. 1996. Workshop Human Biology.

Oral paper presentation - Allee award competition - Animal Behavior Society-national meeting, Lincoln, Nebraska; summer 1995  
Gillie, L. L. 1995. Search and handling time constraints on foraging of a generalist species.

Poster presentation - American Society of Mammalogists-national meeting, Washington DC, summer 1994  
Gillie, L. L., and L. C. Drickamer. 1994. Home range estimation for house mice (*Mus domesticus*): Comparison of four methods.

Poster presentation - Animal Behavior Society-national meeting, Seattle, Washington, summer 1994  
Gillie, L. L., and L. C. Drickamer. 1994. Home range estimation for house mice (*Mus domesticus*): Comparison of four methods.

## **Mentoring Student Research:**

Brynn Bertholf and Maria Thannhauser  
Nesting of brown booby and magnificent frigate birds on White Cay,  
San Salvador, Bahamas.  
Spring 2013

Derek LaBarron and Katelyn Amspacher  
Demographics of Peromyscus leucopus populations in forest edge vs. interior  
Summer 2012

Alicia Barone and Jordan Mohr  
Ecological correlates of hantavirus in Peromyscus leucopus populations in southern New York  
Summer 2011

Eric Klinedinst and Jamieson Riling  
Hantavirus prevalence in Peromyscus leucopus populations in southern New York  
Summer 2011

Sarah Keesom and Erin Rupell  
Vigilance, vocalizations and anti-predator behavior of woodchucks (Marmota monax) in different habitats

summer 2009

Sara Troxell

Vigilance and anti-predator behavior of juvenile woodchucks (Marmota monax) in different habitats.

summer 2007

Ryan Thompson and Rebecca Gardner

Vigilance and anti-predator behavior in woodchucks (Marmota monax) in different habitats.

summer 2006

Bridget Boeltz, Rebecca Gardner, Eric MacMaster, Ryan Thompson

Physical and chemical characteristics of “the puddle” and microhabitat characteristics of enterobacteria.

Fall and winter 05-06

Eric MacMaster

Population ecology of small mammals: homing behavior after displacement

Conducted livetrapping and population dynamics research at Tanglewood

summer 2004

Julie Button and Becky Ikeda

Population ecology of small mammals: microhabitats and movements

Conducted livetrapping and population dynamics research at Tanglewood

summer 2003

Susan Pepper

Population ecology of small mammals: navigation and refuge use

Conducted livetrapping and population dynamics research at Tanglewood

summer 2002

Amy Farden and Kimberly Dama

Androgens in over-the-counter preparations

winter 2001 and fall 2002

Thomas Barnum

Red-eared slider turtle food preferences and interspecific competition

winter 2001

William Bauer

Newt physiological ecology

fall 2000

Kyle Audette

Conducted livetrapping and population dynamics research at Tanglewood 1998 and 1999;  
Worked with me on analysis of home range overlaps of mice  
Co-author of poster presented at national meeting of Animal Behavior Society

Jamie Siders

Sea star righting response research – term III 1999, San Salvador

Thao Than-Trong and Ryan Kimble.

Conducted livetrapping studies of population dynamics and microhabitat use  
by the small mammal assemblage of Chamberlin Springs, WI summer 1996

### **Mentoring Student Teaching:**

Comparative Anatomy Lab, 27 academic fellows, 1999-2013

Biological Concepts II Lab, 3 academic fellows 2000-2002

Animal Behavior Lab, 1 academic fellow 2000

### **Research Grants:**

ASM (American Society of Microbiology) grant awarded to Eric Klindedinst to work with  
Christine Bezotte and Lynn Gillie on hantavirus prevalence in white-footed mice, *Peromyscus*  
*leucopus* populations in southern New York. Summer 2011

AAUW (American Association of University Women) Grant of \$6000 awarded to  
Christine Bezotte and Lynn Gillie to offer WISE (Women Investigating Stream Ecology)  
Program for middle-school girls to do research at Elmira College. Summer 2007 and 2008.

Howard Hughes Grant-Young Scholars Research Program; Beloit College, summer 1996.  
Population dynamics and microhabitat use by the small mammal assemblage of  
Chamberlin Springs, WI with students Thao Than-Trong and Ryan Kimble.  
Awarded \$1000 for equipment from the grant given to the biology department

Doctoral Dissertation Research Award - Southern Illinois University, 1993-1994  
Competitive award to students in the final phase of dissertation research

### **Professional/Teaching Development Activities:**

Association of College and University Biology Educators annual meeting/workshops, Indiana  
University-Purdue University Indianapolis (IUPUI), Indianapolis, Indiana, participated October  
2013

Northeast Association of Advisors for the Health Professions regional meeting, Atlantic City,  
New Jersey, participated April 2013



Association of College and University Biology Educators annual meeting/workshops, Lakeland College, Sheboygan, Wisconsin, participated October 2012

National Association of Advisors for the Health Professions national meeting  
Baltimore, Maryland, participated June 2012

Northeast Association of Advisors for the Health Professions regional meeting, Newport, Rhode Island, participated April 2011

Association of College and University Biology Educators annual meeting/workshops, Lourdes College, Sylvania, Ohio, participated October 2010

National Association of Advisors for the Health Professions national meeting  
Atlanta, Georgia, participated June 2010

Association of College and University Biology Educators annual meeting/workshops, Rockhurst University, Kansas City, Kansas, participated October 2009

Northeast Association of Advisors for the Health Professions regional meeting, Philadelphia, Pennsylvania, participated April 2009

Association of College and University Biology Educators annual meeting/workshops,  
Hopkinsville Community College, Hopkinsville, Kentucky, participated October 2008

Discover Life Workshop, Elmira College, Elmira, New York, participated August 2008

National Association of Advisors for the Health Professions national meeting  
Chicago, Illinois, participated June 2008

Association of College and University Biology Educators annual meeting/workshops,  
Loras College, Dubuque, Iowa; participated October 2007

Association of College and University Biology Educators annual meeting/workshops,  
Millikin University, Decatur, Illinois; participated October 2006

Association of College and University Biology Educators annual meeting/workshops,  
Southeast Missouri State University, Cape Girardeau, Missouri; participated  
October 2005

Association of College and University Biology Educators annual meeting/workshops,  
Wabash College, Crawfordsville, Indiana; participated October 2004

AAHE conference on assessment, Denver, Colorado; participated June 2004

Association of College and University Biology Educators annual meeting/workshops,  
Truman State University, Kirksville, Missouri; participated October 2003

Association of College and University Biology Educators annual meeting/workshops, Columbia College, Chicago, Illinois; participated September 2002

Laboratory Safety Institute Short Course, Northeastern University, Boston, MA; participated August 2002

BioQUEST Curriculum Consortium Workshop “Biocomplexity in Undergraduate Education: From Hard Data to Hard Decisions,” Beloit College, Wisconsin; participated June 2002

Association of College and University Biology Educators annual meeting/workshops, University of Nebraska, Kearney; participated October 2001

National Conference on Students in Transition meeting/workshops, Cincinnati, Ohio; participated November 2000

Association of College and University Biology Educators annual meeting/workshops, Indiana State University, Terre Haute, Indiana; participated October 2000

Association of College and University Biology Educators annual meeting/workshops, University of Wisconsin, River Falls; participated October 1999

Association of College and University Biology Educators annual meeting/workshops, Rockhurst College, Kansas City, Kansas; participated October 1998

Association of Midwest College Biology Teachers annual meeting/workshops, Loras College, Dubuque, Iowa; participated September 1996

Pew Midstates Science and Mathematics Consortium Workshop on Undergraduate Science and Math Education: Connections in Science, University of Chicago, Chicago, Illinois; participated April 1996

Pew Midstates Science and Mathematics Consortium Workshop on Introductory Biology Teaching, Macalester College, St. Paul, Minnesota; participated February 1996

### **Professional Societies and Service:**

Association of College and University Biology Educators (ACUBE)

Service to ACUBE:

Past-President 2005-2006

President 2004-2005

President-Elect 2003-2004

First Vice President/Program Chair for 2002-2003 annual meeting

Member at Large, Steering Committee 2000-2003.  
Chair, Nominations Committee 2000-2002

Animal Behavior Society  
National Association of Advisors for the Health Professions  
Northeast Association of Advisors for the Health Professions  
American Society of Mammalogists  
Associate member of Sigma Xi  
National Association of Biology Teachers  
Beta Beta Beta Biological Honor Society  
Honorary member of Omicron Delta Kappa Leadership Honor Society

### **Honors and Awards:**

Elmira College Faculty Appreciation Award – Spring 2012  
Honorary member of ODK, the Leadership Honor Society – Fall 2010  
Sabbatical leave to conduct animal behavior research – Fall 2008  
Out of this World Teaching Idea Award – ACUBE annual meeting, Fall 2008  
Josef Stein Award for Excellence in Teaching, Service and Scholarship - Elmira College 2001  
Who's Who Among America's Teachers – 2000, 2004  
Doctoral Dissertation Research Award - Southern Illinois University, 1993-1994  
Morris Doctoral Fellowship - Southern Illinois University, 1990-1993  
T. O. Odlaug Award - for scholarship and service to the Department of Biology  
University of Minnesota-Duluth, 1989

### **Faculty Activities:**

Pre-Health Professions (Pre-med) Advisor, 2007-present  
approximately 150 students per year total  
Member, Faculty Executive Committee, 2013- present  
Member and Chair, Faculty Committee on Student Recruitment, 2013- present  
Member, MSCHE Self Study steering committee  
Chair of Mission and Resources subcommittee, 2013-present

Member, Rhodes Scholar Nomination Committee, 2002-present

Member, ad hoc committee on tenure and promotion Handbook revisions, 2013-2014

Member, signature area major development, Community Health Educator major, 2013-2014

Member, On-line registration committee 2013

Member, Advising Committee, 2009-2013

Member, Faculty Review Committee, 2004 -2006; 2010-2011

Chair, Division of Mathematics and Natural Sciences, 2006-2010

Supervised 10 full-time faculty

Supervised between 12-18 adjuncts and faculty associates

Member, Faculty Development Committee, 1998, 2006-2008

Chair, Faculty Development Committee, 2007-2008

Member, Curricular Affairs Committee, 2002-2004

Chair, Curricular Affairs Committee, 2003-2004

Member, Middle States Association Self-Study Working Group on Academic Affairs, 2003-2004

Member, Educational Standards Committee, 1998-2002

Chair, Educational Standards Committee, 2000-2001

Member, various Faculty Search Committees

### **Campus Presentations/ Student Involvement:**

- Darwin Symposium Speaker, "Overview of Darwin's Theory of Evolution"
- Advisor, Pre-Health Club, 2008 - present
- Advisor, Beta Beta Beta Biological Honor Society, 1998-2008
- Faculty Advisor, students, 1998-present
- Patron Saint (advisor) of Class of 2007
- Faculty Brown Bag Seminar Series Speaker, "Ecological Field Studies: Of Mice, Men, and Misconceptions"
- Faculty Advisor, various summer registrations
- Faculty Advisor, various transfer registrations
- Faculty Speaker, various Admissions Open Houses
- Faculty Speaker, Science and Pre-Health Tours
- Faculty Speaker, Careers in Health Care, Pizza lunch seminar series
- Faculty Speaker, Summer Research, Pizza lunch seminar series
- Presenter, Experiential and Active Learning Discussion Group, Truman State University, 1997
- Workstation Co-coordinator, "Girls and Women in Science" weekend workshop- Beloit

College, 1995

**Outreach:**

WISE (Women Investigating Stream Ecology) Program  
middle-school girls conducted ecology and microbiology research at Elmira College.  
2007, 2008

Guest Ecologist, Meg Lowman Treetops Camp, Tanglewood Nature Center, 2005-2007, 2009-  
2013

Conducted mammal survey techniques workshop

Visiting Scientist – Skull identification lab, Horseheads Intermediate School, 2012

Visiting Scientist – Marine Biology, Cub Scout Daycamp, 2013