

**Curriculum Vitae**  
**Danielle E. Garneau, Ph.D.**  
**Associate Prof. of Environmental Science (effective Aug. 2013)**

**OFFICE ADDRESS**

Center for Earth and Environmental Science  
Plattsburgh State University  
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**PRIMARY RESEARCH INTERESTS**

Wildlife Ecology, General Ecology and Biology, Community and Population Ecology,  
Environmental and Conservation Biology, Citizen Science (Smartphone apps for wildlife),  
Non-invasive molecular techniques for wildlife identification

**EDUCATION**

Colgate University, Department of Biology  
Post-doctoral Associate (teaching/research)

Hamilton, NY  
Aug 2007-July 2008

The Pennsylvania State University (Eberly College of Science) University Park, PA  
Ph.D. in Ecology, May 2005

Thesis: *Spatio-temporal dynamics of a multiple predator-single prey system*  
<http://etda.libraries.psu.edu/theses/approved/WorldWideFiles/ETD-820/DanielleElaineGarneauThesis.pdf>

Villanova University (College of Arts and Sciences)  
Bachelor of Science in Biology, *Cum Laude*, Minor: French

Villanova, PA  
May 1998

Thesis: *Wnt-1 knockout rodents over-expressing connexin43 phenotypic brain variation*

**EMPLOYMENT**

**Colgate University**, Hamilton, NY: 2007-2008  
Teaching Post-doctoral fellow

**Colby College**, Waterville, ME: 2006-2007  
Visiting Assistant Professor

**St. Lawrence University**, Canton, NY: 2005-2006  
Visiting Assistant Professor

**Penn State University**, State College, PA: 2000-2005

Adjunct lecturer and graduate student

**Dana-Farber Cancer Institute**, Boston, MA: 1998-2000

*Molecular Diagnostics Laboratory, Research technician II*

*Fanconi anemia, BRCA1/2, MLH1/MSH2 cancer population genetics screening*

PI: Dr. Edward A. Fox

**Tufts University School of Medicine**, Boston, MA: summer 1997

*Cancer research laboratory, histological training*

PI: Dr. Bryan Toole, Dr. Rebecca Peterson

## **TEACHING EXPERIENCE**

### **Plattsburgh State University 2008-current**

**\* graduate students enrolled**

*Ecology* (ENV/BIOL 304)(S13, S12, S11, S10, F10, F09) (n = 72)

*Ecology lab* (ENV/BIOL 304L) (S13, F12, S12, F11, S11, S10, F08) (n = 20)

*Wildlife Ecology & Management* (ENV 430/530) (F12, F11\*, F10\*, F09, F08) (n = 17)

*Environmental Science Seminar* (ENV 340) (S12, S10, S09A/B sections, F08) (n = 16)

*Population and Community Ecology* (ENV 436/536) (S13\*, S11\*, S09) (n = 26)

*Special Topics in Ecology* (ENV 580A) (F09): Herpetofauna inventory in riparian areas in northern NY (graduate student- Matthew Soranno)

*Special Topics in Ecology* (ENV 580A) (F09): Survey of small mammals in hedgerows in northern NY (graduate student- Myndi Almodovar (not completed, but trained in the field and worked with her for several weeks)

### **Colgate University 2007-2008**

*Core: Discoveries in Biology* (Biol 110A) (F07)

*Evolution, Ecology, and Diversity* (Biol 211) with laboratory (S08)

*Conservation Biology* (Biol 330) (S08)

*Independent study: Effect of Calcium limitation on captive Least shrews (*Cryptotis parva*)*

**Research with 8 undergraduates**

### **Colby College 2006-2007**

*Problems in Environmental Science* (Bio 493) with laboratory (F06)

*Vertebrate Natural History* (Bio 312) with laboratory (F06)  
*Advanced and Applied Ecology* (Bio 352) with laboratory (S07)  
*Ecology of New England* (Bio 198) with laboratories (n = 2) (S07)  
**Research with 4 undergraduates** (summer 2006-summer 2007)

**St. Lawrence University 2005-2006**

*Vertebrate Natural History* (Bio 209) with laboratory (F05)  
*General Biology* (Bio 101) laboratory and recitation instructor (F05)  
*Conservation Biology* (Bio 340) with laboratory (S06)  
*Desert Ecology* (Bio 248 E & F) and 3-week cross-country field component to desert southwest (S06)

**Research with 2 undergraduates**

**Penn State University 2000-2005**

*Biology: Basic Concepts and Biodiversity* (Bio 110) (Su05) (n = 90)  
*Biology: Basic Concepts and Biodiversity* (Bio 110) (F00-F04)  
Teaching assistant and recitation instructor (**honors sections**)  
*Biology: Populations and Communities (Intro Ecology)* (Bio220W) (S01-S03)  
Teaching assistant (**honors sections**)

***Guest lectures at Penn State:***

*Biology: Basic Concepts and Biodiversity* (Bio110 honors) (F04)  
*Population Ecology* (Bio546) (F03)  
*Penn State University Board of Trustees meeting* (F03)  
Speech on the role of graduate teaching assistants in the university  
*Biology: Populations and Communities* (Bio 220W honors) (S03)

**UNDERGRADUATE RESEARCH PROJECTS**

**\*\*Presented at a regional conference (Northeast Natural History)**

**\*Presented at SUNY Plattsburgh Sigma Xi poster session or DMUR faculty symposium**

Carroll, R. 2013. Comparison of wildlife DNA extraction methods collected non-invasively (hair, feathers, scat)

Rekemeyer, S. 2013. Geospatial mapping of Virginia Opossum (*Didelphis virginianus*) live sightings and roadkill.

\*Chu, Y. and Ehman, K and **Dr. Sherri Mason (SUNY Fredonia faculty mentor)**. 2013. Plastic Pollution: A Comparative Survey of Wastewater Effluent. – ***DMUR grant project distance mentored undergraduate research***

\*Peterson, M. and **Dr. Jon Titus (SUNY Fredonia faculty mentor)**. 2013. Baseline Study of Herbivore Preferences to Plant-vigor – ***DMUR grant project distance mentored undergraduate research***

\*\*Senderoff, D., Travis, L., Berris, M., Kramer, S., Garneau, D., Fuller, R., and D. Franzi. 2012. Effects of waterfowl migration on water quality in a groundwater-fed quarry lake. ***Geological Society of America meeting, New Hampshire.***

\*\*Berrus, M and Garneau, D. 2012. Survey of geese on Krystal Lake, Chazy, NY using remote cameras. *Northeast Natural History Conference, Springfield, MA.*

\*Galante, D. and D. Gardner. 2012. Population estimation of painted turtles in rural vs. urban ponds.

\*Keefe, I. 2012. Geospatial mapping and wetland delineation of Rugar woods ephemeral ponds.

\*\*Appling, L. 2012. Northern range expansion of the Virginia opossum into Clinton County, NY. *Northeast Natural History Conference, Syracuse, NY.*

\*Van Splinter, J. 2012. Geospatial referencing of SUNY Plattsburgh taxidermy museum collection.

\*\* Sotola, A. and J. Leewe. 2011. Long-term survey of nest box use by Sciuridae in managed forests in Clinton County, NY. *Northeast Natural History Conference, Syracuse, NY.*

Krech, J. 2011. Nature trail signage interpretation at Rugar Woods (watercolors).

\*Sotola, A. and J. Leewe. Winter survey of nest box use in managed forests in Clinton County, NY.

Krech, J. 2011. Nature trail signage interpretation at Rugar Woods (verbiage) and identification.

\*\*Podwirny, K., Smith, C., and J. Premo. 2010. Spatial investigation of muskrats (Ausable and Wickham) using GIS. *Northeast Natural History Conference, Albany, NY.*

- \*Goldberg, B. and C. Bishop. 2010. Salivary amylase resolution of *Peromyscus* spp. from various habitat types in Clinton County, NY.
- \*\*Wilson, W. and K. Frenyea. 2010. Survey of small mammal species on the Altona Flat Rock and Gadway sandstone pavement barrens, using field and molecular techniques. *Northeast Natural History Conference, Albany, NY.*
- \*Klein, J. 2010. Taxidermy collection preparation and inventory.
- \*Domenico, J. 2010. GPS and GIS of Rugar Woods ecological interpretive trail.
- \*Premo, J. and K. Podwirny. 2010. Marsh survey of muskrats (Wickham).
- \*Bishop, C. and B. Goldberg. 2010. Salivary amylase resolution of *Peromyscus* spp. from MA, PA, and NY (samples sent from other researchers) to assess regional differences in small mammal community.
- Goldberg, B. and M. Sorrano. 2009. Small mammal inventory in riparian areas in northern NY.
- Domenico, J. 2009. GPS and GIS of Rugar Woods ecological interpretive trail and trail Marking.
- Zimmerman, L. 2009. Roadkill survey in northern NY using GPS and GIS technologies.
- Hayes, B. 2009. Literature search and research on small mammal radio-telemetry techniques and studies.
- \*\* Bradshaw, E. and J. Blackburn. 2008. Small mammal survey of the Altona Flat Rock. *Sigma Xi regional meeting Oswego, NY.*
- Sorrano, M. 2008. GIS practicum for research.

#### **UNDERGRADUATE INTERNSHIPS (n = 6)**

- McChesney, K. 2013. USDA Raccoon Rabies Technician
- Carroll, R. 2012. Forest Ecology at the Smithsonian Environmental Research Center
- Podwirny, K. 2011. Carnivore behavior (Felids)
- Podwirny, K. 2011. Carnivore zoology (Felids)
- Decker, W. 2011. NY Public Interest Group (NYPIRG) internship
- Van Splinter, J. 2011. Itatiaia National Park Resende, Brazil docent

## PUBLICATIONS

- Carroll, R. and **Garneau, D.** 2013. An Examination of Sensory Input in Anti-Predator Behavior of the American Crow (*Corvus brachyrhynchos*). *Scientia Disciplorum* (In press).
- Reyes, A.J., Smith, C., Maynard, G., Snively, E. and **Garneau, D.** 2013. Nearshore Fish Community Analysis On Northwestern Lake Champlain. *Scientia Disciplorum* (In press).
- Garneau DE**, Lawler ME, Rumpf AS, Weyburne ES, Cuppernull TM, Boe AG. 2012. Potential Effects of Beech Bark Disease on Small Mammals and Invertebrates in Northeastern U.S. Forests.- (*Northeastern Naturalist* 19(3): 391-410.
- Czajka J, McCay T, and **DE Garneau**. 2012. The Effect of Dietary Calcium Limitation on the Physical and Cognitive Performance of the Least Shrew, *Cryptotis parva*. *Behavioral Science* 2(3): 172-185.
- Shahid A, **Garneau DE**, and TS McCay. 2008. Effects of post-dispersal seed predation on success of exotic and native species in central New York. *American Midland Naturalist* 162(1): 207-212.
- Garneau DE**, Boudreau TA, Keech MA, Post E. 2008. Black bear movements and habitat use during a critical period for moose calves. *Mammalian Biology* 73(2): 85-92.
- Garneau DE**, Boudreau TA, Keech MA, Post E. 2008. Habitat use by black bears in relation to conspecifics and competitors. *Mammalian Biology* 73(1): 48-57.
- Garneau DE**, Post E, Boudreau TA, Keech MA, Valkenburg, P. 2007. Spatio-temporal niche partitioning among three-sympatric predators in a single-prey system *Wildlife Biology* 13(2): 186-194.
- Nakanishi K, Moran A, Hays T, Kuang Y, Fox E, **Garneau D**, de Oca RM, Grompe M, D'Andrea AD. 2001. Functional analysis of patient-derived mutations in the Fanconi anemia gene, FANCG/XRCC9 *Experimental Hematology* 29(7): 842-849.

### In progress:

- Sotola A, **Garneau DE**, Leewe J. and K. Adams. Survey of the Patterns of Nest Box Use Among Squirrels (Sciuridae) in Managed Forest Stands in Clinton County, New York. *Northeastern Naturalist*- (In prep.)
- Bradshaw E, Blackburn J, and **DE Garneau**. The Influence of Stand Age and Forest Composition on Small Mammal Assemblages in Sandstone Pavement Barrens. *Natural Areas*- (In prep.)
- Garneau DE** and K Hopfensperger. Predator-specific microhabitat selection in moose calf kill sites in south-central Alaska. *Northwestern Naturalist*- (In prep.)

## GRANTS

**Educational Technology Fund Spring 2013 \$13,900 (in Review)**

*Out There In Here: Using tablets and apps for experiential learning*  
P.I. Danielle Garneau, co-P.I.'s Rachel Schultz, Michael Burgess, Jacob Straub, Curt Gervich, Eric Leibensperger, Don Slish, Joel Parker, Edwin Vega, Chris Wolff, Jaekwan Jeong

**SUNY Distance Mentored Undergraduate Research: Leveraging System Expertise to Enhance Learning \$32,080 (grant funded)**

P.I.: Lori Bernard, Associate Professor of Languages and Literatures (SUNY Geneseo) *before it became a SUNY collaboration* among (Geneseo, Oswego, Plattsburgh, and Fredonia).

**Collaborators/SUNY coordinators on project (@ granting time they were unsure of participating colleges as we are not listed):** Danielle Garneau (\$6000) of the above funds are for technology related to distance learning projects for the grant on our campus (an additional \$800 to faculty mentors, \$500 to undergraduate researchers). My role was to select at least 10 faculty mentors, and at least 2 students, for distance research among the consortium of SUNY schools. Additionally, I am to coordinate, as well as be a potential mentor on the project.

**Five Star Restoration Program Grant February 2012 \$25,000 (not awarded)**

*Restoration and Educational Promotion of a Fragmented Wetland in Chazy, NY*

Co-P.I. Danielle Garneau, Rachel Schultz, Curt Gervich

**Christine Stevens Wildlife Grant March 2011 \$10,000 (not awarded)**

*Non-Invasive Survey of Wildlife in the Split Rock Wildway*

P.I. Danielle Garneau

**EPA P3 Grant Fall 2010 \$14,000 (not awarded)**

*Keeping Cap and Trade Alive: The Potential of Carbon Allowances to Create New Funding Streams for State Natural Resource Agencies*

P.I.: Curt D. Gervich; Co-P.I.s: Ken Adams, Eileen Allen, Lise Heroux, Danielle Garneau, Chris Martine, Colin Read

**Lake Champlain Basin Program Fall 2010 \$67,495 (awarded Feb, 2011)**

*Post tournament dispersal of black bass in Lake Champlain following professional catch and release tournaments*

P.I. Timothy B. Mihuc, Mark Malchoff, Jeff Loukmas, Bill Schoch, **Danielle Garneau**, and Emily Zolweg

**NYSDEC and USFW Service Grant Fall 2010 \$45,000 (awarded)**

*Post tournament release movements of Black Bass in Lake Champlain*

P.I. Timothy B. Mihuc, Mark Malchoff and **Danielle E. Garneau**

**Educational Technology Fund Fall 2009 \$15,300 (awarded Jan, 2011)**

*Analysis of Ecological Data Using Technology in the Classroom*

P.I. Danielle Garneau, co-P.I. Christopher Martine, Timothy Mihuc, Robert Fuller, Kenneth Adams

**Presidential Award Grant May 2010 \$5,000 (awarded)**

*Non-Invasive Survey of Regional Wildlife Using Molecular Methods*

P.I. Danielle E. Garneau and Dr. Jaime E. Blair (Franklin and Marshall College)

**NSF-ISE: The Making Tracks Challenge Fall 2009 (not funded)**

P.I. Sheri Amsel, co-P.I. Danielle Garneau

**Educational Technology Fund "Smartboard Technology in the Ecological Sciences Fall 2009 \$8,000**

P.I. Danielle Garneau, co-P.I. Christopher Martine

**Green Grant Rugar Woods Ecological Trail Project April 2009 \$2,100**

**Professional Development Awards Program SUNY Plattsburgh 2008, 2009**

**Research council Discretionary Funds Colgate University 2007**

**Curriculum development St. Lawrence University 2005-2006**

**ON-GOING RESEARCH PROJECTS**

**SUNY Plattsburgh**, Center for Earth and Environmental Science, Plattsburgh, NY:  
Aug 2008-present

- *Painted turtle population estimation in urban vs. rural ponds* (collaboration with 33 faculty in 31 institutions through the Ecological Research as Education Network-EREN)- currently working with 2 Biology and 2 Environmental Science undergraduates and myself to monitor ponds in our region
- *Smartphone apps for wildlife observation using Epicollect* developed July 2012 (WildlifeBlitzGarneau & RoadkillGarneau) as a Citizen Science project with classroom and research potential
- *Wildlife Corridor passage in the Split Rock Wildlife Forest-High Peaks* (collaboration with Rose Graves, M.S. at UWisconsin at Madison) to combine Northeast Wilderness trust's wildlife monitoring group's seasonal transects and assess animal movement via sign
- *Northern range expansion of Virginia Opossum (Didelphis virginiana) as a function of climate and anthropogenic resources* (collaboration with Dr. Ed Romanowicz and Dr. Curt Gervich, and independent study student Leslie Appling)



- *Habits of red squirrels and chipmunks using radio-collaring technologies*
- *Habitat-specific road-kill patterns in northern New York*
- *The effects of Beech bark disease on mammal assemblages in the forests of New York (Newcomb, Altona, and Claryville) and Vermont (Shrewsbury)*

**Colgate University**, Department of Biology, Hamilton, NY: Aug 2007-July 2008

- *The effects of Beech bark disease on mammal assemblages in the forests of central New York*
- *Distribution of Peromyscus spp. throughout the Northeast: The use of salivary amylase as an identification technique*
- *Using pit-tagging and visible implant elastomers as a useful means of marking least shrews (Cryptotis parva)(collaboration with Mike Rent University of Minnesota)*

**Colby College**, Department of Biology, Waterville, ME: July 2006-July 2007

*Distribution and abundance of small mammals in urban communities: field surveys of housing developments, airports, parks, and college campuses with molecular verification*

**St. Lawrence University**, Department of Biology, Canton, NY: May-June 2006

*Field research southwestern deserts (Bio 240E)- Associations of Saguaro cacti and nurse plants*

## ACADEMIC HONORS AND AWARDS

**State University of New York at Plattsburgh**

- Chancellor's Award in Teaching Excellence: Spring 2013

**Penn State University**

- Schreyer Institute for Teaching Excellence Certificate: Spring 2005
- Biology interdepartmental TA award: Spring 2002
- Penn State Graduate Assistant Outstanding Teaching Award: Fall 2002

**Villanova University**

- Pennsylvania Zeta Chapter, Alpha Epsilon Delta 1996-1998
- Pre-Med. National Honor Society, Villanova University 1996-1998
- Pi-Delta-Phi-French National Honor Society 1996-98
- Dean's list Villanova University 1994-1998

## SERVICE

**SUNY Plattsburgh**

Reviewer Chancellor's Award in Teaching Excellence (Adjunct) Spring 2013

Search Committee LCRI Field Operations Manager Spring 2013

Individualized Studies Committee member 2012-  
Search Committee chair Tenure-track Forest/Field Ecology Fall 2012  
Rugar Woods taskforce science liaison and chair 2011-  
Campus Committee on Environmental Responsibility 2012-  
Established SUNY Plattsburgh **Wildlife Club**  
iMap invasives trained 2012  
**Keeping Tracks WildlifeTracker** trained 2012  
Search Committee co-chair Forest Ecologist Spring 2012  
Search Committee Geography/Environmental Studies Spring 2012  
Search Committee Evolution/Developmental Biology Fall 2011  
Faculty Senator Spring 2011-  
Professional Science Masters Program committee 2011-  
*Scientia Discipulorum* Editorial board member 2011-  
Search Committee Aquatic Ecologist Spring 2010  
Writing Across the Curriculum (WAC) 2010-  
Animal Care and Use committee 2009-  
Center for Earth & Environmental Science Curriculum committee 2009-  
Natural Science Graduate Program committee 2009-  
Graduate advisee committee:  
(Myndi Almodovar, Justin Ecret, George Maynard)  
Applied Environmental Science Program Committee member 2008-  
Lake Champlain Research Institute Associate 2008-  
FWS Curriculum committee advisory board- Paul Smith's College fall 2008  
Advanced Writing Requirement Assessment Development Committee Fall-Spring  
2008  
Questions writer for Biology GRE - Education Testing Services (ETS)  
  
**Colgate University**  
Department of Biology spring seminar series coordinator spring 2008

## SCIENTIFIC MEETINGS

### Upcoming:

New York State Library Assistant's Association Workshop Lake Placid, NY: *June 2013*  
**INVITED WORKSHOP:** Citizen science: Wildlife smartphone apps for live and roadkill

Ecological Research as Education Network (EREN) San Antonio, TX: *June, 2013*

American Society of Mammalogy, Philadelphia, PA: *June 2013*

**Presentation title:** Citizen science: Wildlife smartphone apps for live and roadkill

### Past attended:

Northeastern Natural History Conference, Springfield, MA: *April, 2013*

**Presentation title:** Citizen science: Wildlife smartphone apps for live and roadkill

Citizen Science in the SUNY, Saratoga Springs, NY: *April, 2013*

**Presentation title:** Citizen science: Wildlife smartphone apps for live and roadkill

Northeast Wildlife Trackers Conference, Leominster, MA: *October, 2012*

**Presentation title:** Citizen science: Wildlife smartphone apps for live and roadkill

NY State Wildlife Society Chapter Field Meeting, Fabius, NY: *September, 2012* (brought 1 student from Wildlife Club/Wildlife Ecology)

**Presentation title:** Citizen science: Wildlife smartphone apps for live and roadkill

Ecological Research as Education Network (EREN) Conference Raleigh, NC: *June, 2012*

Flood Resilience Conference, Champlain Basin Program, Burlington, VT: *June, 2012*

Northeastern Natural History Conference Syracuse, NY: *April, 2012* (brought 2 students to give oral presentation on independent study research)

NY State Wildlife Society Chapter Meeting, Newcomb, NY: *September, 2011* (brought 6 students from Wildlife Club)

American Society of Mammalogy Portland, OR: *June 24-29<sup>th</sup>, 2011*

**Presentation title:** *Effects of Beech bark disease on small mammal assemblages in New York and Vermont*

Northeastern Natural History Conference Albany, NY: *April, 2011* (brought 5 students, 4 presented)

Discovering the Joy of Teaching Conference SUNY Plattsburgh: *April, 2011*

NYS Chapter of the Wildlife Society meeting, Utica, NY: *March, 2011*

CIT conference presenter SUNY Plattsburgh: May 2010

**Oral presentation title:** Using GIS in the classroom

Ecological Society of America: Albuquerque, NM: August 2009

**Oral presentation title:** *Effects of Beech bark disease on small mammal assemblages in New York and Vermont*

Adirondack Research Consortium (ARC) (poster with Erin Bradshaw) meeting

Lake Placid, NY: May, 2009

Sigma Xi regional conference (poster with Erin Bradshaw) SUNY Oswego: April, 2009

Discovering the Joy of Teaching Conference SUNY Plattsburgh: April 4, 2009

Teacher to Teacher pedagogy conference SUNY Plattsburgh: March 2009

The Wildlife Society New York Chapter Meeting February 20, 2009 Syracuse, NY

Northeastern Natural History conference with undergraduates: Albany, NY 2008

**Poster title:** *Effects of Beech bark disease on small mammal assemblages in New York*

American Society of Mammalogists meeting: Brookings, SD 2008 poster co-author

**Poster title:** *Effects of Beech bark disease on small mammal assemblages in New York*

Northeast Sigma-Xi conference with my undergraduate research students: Ithaca, NY 2007

**Poster title:** *Small mammal assemblages under urban influence*

Maine Water conference with undergraduate research students Augusta, ME 2007

**Poster title:** *A watershed analysis of Long Pond North- Implications for water quality and land-use management*

Northeast Natural History conference: Albany, NY 2006

**Oral presentation title:** *Spatio-temporal dynamics of multiple predators in a one-prey sub-Arctic system (Part 3)*

Northeast Ecology conference (NEEC): Penn State University, PA 2005

**Oral presentation title:** *Spatio-temporal dynamics of multiple predators in a one-prey system (Part 2)*

Northeast Ecology conference (NEEC): University of Connecticut, CT 2004

**Oral presentation title:** *Predator-prey dynamics in a one prey system (Part 1)*

Wildlife Society conference (WFS) NW section: Girdwood, AK 2004

**Oral presentation title:** *Spatio-temporal dynamics of multiple predators in a one-prey sub-Arctic system*

Wildlife Society conference (WFS): Burlington, VT 2003

Ecological Society of America (ESA): Savannah, GA 2003

**Poster title:** *Spatio-temporal dynamics of multiple predators in a one-prey sub-Arctic system*

Northeast Ecology conference (NEEC): Rutgers University, NJ 2002

**Poster title:** *Coexistence of multiple predators in a one-prey system*

## INVITED SEMINARS

June 2012: 35th Annual New York State Library Assistants Association Conference

- Smartphone app workshop (Lake Placid, NY)

January 2013: Dept. of Biology, Union College

January 2013: Keeping Tracks Training group, Westport library

October 2012: Northeast Wildlife Trackers Conference

Sept. 2010: Dept. of Forestry and Natural Resources, Paul Smith's College

Spring 2010: Department of Biology, Villanova University

October 2007: Department of Biology, Penn State Abington

April 2007: Department of Biology, Colgate University

April 2007: Department of Biology, Unity College

March 2007: Department of Biology, Roger Williams University

March 2007: Department of Biology, University of Bridgeport

February 2007: Department of Biology, Green Mountain College

March 2006: Department of Biology, Colby College

February 2006: Department of Biology, Hamilton College

February 2006: Department of Biology, West Liberty State College

April 2005: Department of Biology, St. Lawrence University

April 2005: Department of Biology, Penn State Scranton campus

## OUTREACH

Northern Adirondack School career fair: June 2013

Outreach immersion field experience at Altona Flatrock organized by Miner Institute

May 20, 2013; Participants: Peru High School students.

Taught students general trapping protocols, animal tracking, marking techniques, and led them on a radio-tracking excursion over the course of the AM-PM

Mentor to Alex Reid (Chazy high school student) on senior project: Enhancing bird habitat in the Chazy community via nest boxes and citizen science monitoring:

October 2012

Northern Adirondack School career fair: May 2012

Keeping Tracks Monitoring Program member (non-invasive wildlife tracking and

monitoring group): year-long starting Jan 2012-Jan 2013 +

Saranac River Trail college liaison: 2011-2012

Revitalize Keeseville working group: 2011-2012

Conservation Field Days outreach demonstration for the Cornell Cooperative Extension: September, 2011

Outreach demonstration and talk for Festival of Wildlife at the Paul Smith's VIC: August, 2011

Led a nature hike for 30 of Jenn Allen's student/parent group for Families First (Essex County) at Twin Valleys Nature Center: August, 2010

Ran an outreach field day for Dr. Chris Martine's Bio-Camp in trapping small mammals and performing radio-telemetry at Rugar Woods: June 29, 2010

Outreach immersion field experience at Altona Flatrock organized by Miner Institute May 17, 2010 & 2011; Participants: Peru High School students.  
Taught students general trapping protocols, marking techniques, and led them on a radio-tracking excursion over the course of the AM-PM

Outreach immersion field experience at Altona Flatrock organized by Miner Institute: May 18, 2010; Participants: Chazy High School students  
Taught students general trapping protocols, marking techniques, and led them on a radio-tracking excursion over the course of the AM-PM

Participated in town planning meetings for the Saranac Trail: April, 2010  
Discussed ecological interpretive trail additions and a linkage with Rugar Woods trail with my independent study student Joshua Domenico

Willsboro Comprehensive Plan for Development meeting, for Willsboro, NY: Dec 2009. Presentation on development effects on wildlife for Ann Ruzow-Holland

Presentation on moose/bear and small mammal/Beech bark disease: April 2009  
Presentation for Millville, NJ high school youth group

Presentation and rodent tracking for Highland Green residents and local high school students for Glenn Evans Mt. Ararat High School and Cathance Education Alliance (CREA): October 2006

Nature walks and interpretations, field lessons at CREA, Topsham ME:  
2005-2006

Guest lecture at Pennington High School, Pennington, NJ: May 2005

Action Potential-Science Experience residential advisor Penn State: Summer 2004

Guest lecture at Clarkstown North High School, New City, NY: April 2003

### **PROFESSIONAL MEMBERSHIPS**

The Ecological Society of America  
American Society of Mammalogists  
Association for Northeastern Biologists  
Northeast Wildlife Trackers  
The Wildlife Society of America  
Society for Conservation Biology  
Association for Northeastern Biologists  
German Society of Mammalogy  
International Bear Association  
New York Audubon  
Adirondack Research Council  
Nature Conservancy

### **RELEVANT COURSES IN MY GRADUATE TRAINING**

General Ecology (597b), Classic Ecology (597c), Field Biology (450W), Linear Regression (501), Population Ecology (546), Symbiosis (406), Ecology and Biology colloquium (590), GIS practicum (458), Forest Ecology (508), Estimation of Fish & Wildlife Population Parameters (WFS 597E), Professional Development for Natural Resources (WFS 497d), Conservation Biology (WFS 430), Analysis of Animal Location data (WFS 597a), Conservation Ecology (WFS 530), PSU Course in college teaching

### **COMPUTER SKILLS**

Proficient with PC, Mac, Microsoft Word, Microsoft Excel, Microsoft Powerpoint  
Mac Lab, StatView, Minitab, SPSS, S-PLUS, Delta Graph, Origin7, PC-Ord, ARC  
GIS, Program Distance, Program Mark, Moodle/Blackboard/ANGEL/ Commonsport  
online course management systems