

CASSIE M. DRESSER-BRIGGS

Abbreviated CV

Lyman Briggs College
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EDUCATION

Ph.D., Biology, University of Tennessee, Knoxville, TN	2013-2017
M.S., Conservation Biology, Central Michigan University, Mount Pleasant, MI	2010-2013
B.A., Biology, Hartwick College, Oneonta, NY	2006-2010
HSD, South Seneca Central School, Ovid, NY	2002-2006

EXPERIENCE

Teaching Professor, LB144: Biology I, Lyman Briggs College, Michigan State University	2017-2018
Teaching Professor, LB492: Senior Capstone, Lyman Briggs College, Michigan State University	2018
Teaching Professor, LB145: Biology II, Lyman Briggs College, Michigan State University	2018
Graduate Teaching Assistant, Vertebrate Biology, University of Tennessee	2017
Head Teaching Assistant, BIOL 150, University of Tennessee	2016
Instructor of Record, BIOL 280: Evolution, University of Tennessee	2015
Graduate Lecture Assistant, Introductory Biology, University of Tennessee	2013-2016
Graduate Teaching Assistant, Mr. Daniel Benjamin, Central Michigan University	2010-2013
Student Instructor, Dr. Douglas Hamilton, Hartwick College	2009
Research Assistant, Dr. Bradley Swanson, Central Michigan University	2013
Field Research Assistant, Dr. Mark Kuhlmann, Hartwick College	2010
State Park Explorer Guide, Pontiac Lake Recreation Area, Michigan DNR	2013

PUBLICATIONS

Dresser, C.M., T.W. Pierson, and B.M. Fitzpatrick (2018) Isolation by distance, local adaptation, and fortuitous coincidence of geo-political boundaries with spatial-genetic clusters in southern Bog Turtles. *Global Ecology and Conservation* DOI: 10.1016/j.gecco.2018.e00474.

Dresser, C.M., R.M. Ogle, and B.M. Fitzpatrick (2017) Genome scale assessment of a species translocation program. *Conservation Biology* 18:1191-1199.

Literman, R., S. Radhakrishnan, J. Tamplin, R. Burke, **C. Dresser**, and N. Valenzuela (2017) Development of sexing markers in *Glyptemys insculpta* and *Apalone spinifera* turtles uncovers an XX/XY sex-determining system in the critically-endangered bog turtle *Glyptemys muhlenbergii*. *Conservation Genetics Resources* DOI: 10.1007/s12686-017-0711-7.

- Dresser, C.M.** and B.J. Swanson (2016) Variation in native crayfish agonistic response to the invasion of the rusty crayfish *Orconectes rusticus* (Girard, 1852). *Journal of Crustacean Biology* 36:129-137.
- Dresser, C.M.** and B.J. Swanson (2013) Preemptive legislation inhibits the anthropogenic spread of an aquatic invasive species, the rusty crayfish (*Orconectes rusticus*). *Biological Invasions* 15:1049-1056.

PRESENTATIONS

- Dresser, C.M. (December 2018) Genomic assessment of captive, wild, and introduced Bog Turtles in the southern region. Oral presentation. National Bog Turtle Symposium, Richmond, Virginia.
- Dresser, C.M. (April 2018) Genomic assessment of captive, wild, and introduced Bog Turtles (*Glyptemys muhlenbergii*). Oral presentation (Invited Speaker). North Carolina Herpetology Congress, Asheboro, North Carolina.
- Dresser, C.M. (August 2017) A Tiny Turtle Tale: Genomic assessment reveals increase in genetic diversity following Bog Turtle (*Glyptemys muhlenbergii*) translocation program. Oral presentation. Turtle Survival Alliance, Charleston, South Carolina.
- Dresser, C.M., J. Brigati, and E.E. Schussler (November 2016) Which active learning approaches are most effective? Poster presentation. Innovation in Teaching and Learning Symposium, University of Tennessee, Knoxville, TN.
- Dresser, C.M. (September 2016) A tiny turtle tale: Genetic assessment of a captive breeding and release program for the endangered bog turtle. Oral presentation. Tennessee Herpetological Society, Knoxville, TN.
- Dresser, C.M. (July 2016) Genetic assessment of a bog turtle captive breeding and release program. Oral presentation. North American Congress of Conservation Biology, Madison, WI.
- Dresser, C.M., J. Brigati, and E.E. Schussler (July 2016) Which active learning approaches are most effective? Poster presentation, Society for the Advancement of Biology Education Research, University of Minnesota, Twin Cities, MN.
- Dresser, C.M. (November 2015) The do's and don'ts of genomic assessments: case study on bog turtles. Oral presentation. Project Bog Turtle, Schindler Wildlife Center, Asheboro, NC.
- Dresser, C.M. (April 2015) Turtle Talk: Genetic assessment of a reintroduction program. Oral presentation, Women in STEM Research Symposium, University of Tennessee, Knoxville, TN.
- Dresser, C.M. (February 2015) Genetic assessment of a bog turtle reintroduction. Speed Talk. Seminar Series, University of Tennessee, Knoxville, TN.
- Dresser, C.M., C.L.F. Landerer, and J.B. Corush (July 2014) Read the room: instructor assumptions about student perceptions. Poster presentation, Society for the Advancement of Biology Education Research, University of Minnesota, Twin Cities, MN.
- Dresser, C.M. and B.J. Swanson (September 2013) Evaluating the role of anthropogenic introductions in the distribution patterns of invasive rusty crayfish (*Orconectes rusticus*). Poster presentation, South Eastern Population Ecology and Evolutionary Genetics, Mountain Lake Biological Station, University of Virginia, Charlottesville, VA.

- Dresser, C.M., M.L. Kuhlmann, and B.J. Swanson (August 2012) Role of abiotic factors on native crayfish behavioral defense against invasive rusty crayfish (*Orconectes rusticus*). Oral presentation, 97th Annual Meeting for the Ecological Society of America, Portland, OR.
- Dresser, C.M. (April 2012) Native crayfish behavioral defense against invasive rusty crayfish. Poster presentation, Student Research and Creative Endeavors Exhibition, Central Michigan University, Mount Pleasant, MI.
- Dresser, C.M. and B.J. Swanson (December 2011) They fought the law and the law won: Impact of legislation on the anthropogenic spread of rusty crayfish. Poster presentation, 25th International Congress for Conservation Biology, Auckland, New Zealand.

AWARDED GRANTS

Ecology & Evol. Biol. Dept. Research and Chancellor Funds (\$2500), UTK	2016
Ecology & Evol. Biol. Dept. Research and Chancellor Funds (\$1794), UTK	2016
North Carolina Herpetological Society Grant (\$1000), North Carolina Herpetological Society	2015
Conservation Grants Fund (\$21588), Association of Zoos and Aquariums	2014
Ecology & Evol. Biol. Dept. Research Funds (\$482), UTK	2014
Chadwick Lewis Memorial Grant (\$500), Tennessee Herpetological Society	2014
Ecology & Evol. Biol. Dept. Research Funds (\$428), UTK	2013
Sigma Xi Grant-in-Aid of Research (\$650)	2012
Crustacean Society Fellowship (\$1000)	2012
Graduate Student Research & Creative Endeavors Grant (\$700), CMU	2011
Marion Whitney Summer Graduate Scholarship (\$950), CMU	2011

AWARDS & HONORS

Chancellor's Award for Extraordinary Teaching by a Graduate Student, UTK	2017
Department of Biology Graduate Teaching Award (\$1000), UTK	2017
Best Student Presentation, Tennessee Herpetological Society	2016
Outstanding Graduate Teaching, UTK	2015
University Citation for Extraordinary Professional Promise, UTK	2014

ORGANIZATIONS & SERVICE & PROFESSIONAL DEVELOPMENT (MSU-RELATED ONLY)

Scholarship of Undergraduate Teaching and Learning (SUTL) Faculty Fellow	2018
HUB for Innovation in Learning and Technology Faculty Fellow	2018
Lyman Briggs College Speaker Series Committee Chair	2018
CREATE for STEM Seminars	2018
Pie Your Professor Faculty Volunteer	2018
Lyman Briggs College Bylaws Revision Committee	2018

Faculty Cohort-Building Planning Group	2018
Manuscript Reviewer for Molecular Ecology	2018
Lyman Briggs College Undergraduate Research Mentor	2017-2018
College-to-Career Mentoring Program	2017-2018
Academic Advancement Network Seminars	2017-2018
Meet Your College	2017-2018
Guest Lectures (INQUIRE, SUTL, Recruitment events, Dr. Ward's class)	2017-2018
Recommendation Letter Writer (x22)	2017-2018
Teaching Essentials for MSU STEM Faculty Workshops	2017
MSU STEM Education Alliance Seminars	2017
Writing Science Seminar & Workshop with Joshua Schimel at UTK	2017