MARY M. GLOVER

mglover@nd.edu • www.marymglover.com • 574-631-4160
100 Galvin Life Sciences, Notre Dame, IN 46556

EDUCATION

2012 – present	**PhD Candidate in Biological Sciences** University of Notre Dame Dissertation: Speciation in the walnut-infesting *Rhagoletis suavis* species group: biogeography, reproductive isolation, and the genomics of speciation Advisor: Dr. Jeffrey Feder Expected graduation date Summer 2018
May 2012	**Bachelor of Science, Ecology and Evolutionary Biology** University of Tennessee, Knoxville Advisor: Dr. Benjamin Fitzpatrick

TEACHING EXPERIENCE AND HONORS

Fall 2018	Biological Sciences Teaching Apprentice
2017 - present	Introductory Biology Foundations course design committee member
2017	**Outstanding Graduate Teaching Award** Kaneb Center for Teaching and Learning University of Notre Dame

Notre Dame Graduate Teaching assistant

Fall 2017	Senior TA, General Biology Lab A
Fall 2013-2016	General Biology Lab A
Spring 2015, 2017	General Biology Lab B
Spring 2016	Biostatistics

Undergraduate student mentorship

Glen McLain, Dung Nguyen, Tony Molinaro, Adam Chvilicek

TEACHING WORKSHOPS AND CLASSES

Kaneb Center workshops, The University of Notre Dame

Fall 2017	Teaching Critical Thinking
Fall 2017	James Lang *Small Teaching* Book Presentation
Fall 2017	Enhancing Student Motivation with Authenticity and Caring Actions

Fall 2017	We are ND; Creating Inclusive Spaces
Summer 2017	Teaching and Learning Stem Reading Group
Fall 2014	Mentoring Undergraduate Research in STEM Disciplines

Coursework

Summer 2017	Designing and Teaching your First Biology or Chemistry Course

Conference

Fall 2018	A Practical Guide to Teaching and Learning STEM, presented by Richard Felder and Rebecca Brent

PEER-REVIEWED PUBLICATIONS

Glover, M.M, S.P. Egan, G.R. Hood, J. Rull, M. Aluja, and J.L. Feder. Phylogeography of walnut-infesting *Rhagoletis suavis* (Diptera: Tephritidae) flies. *Insect Systematics and Diversity* (accepted)

St. Jean, Gilbert, G.R. Hood, S.P. Egan, T.H.Q. Powell, H. Schuler, M.M. Doellman, **M.M. Glover,** J.J. Smith, W. Yee, R. Goughnour, J. Rull, M. Aluja, and J.L. Feder. Lack of genetic evidence for host plant-related differentiation in the western cherry fruit fly *Rhagoletis indifferens* (Diptera: Tephritidae). *Entomologia* (in submission).

Feder, J.L., G.R. Hood, M.M Doellman, H. Schuler, A. Miller, C. Tait, **M.M Glover,** and P. Meyers. (2017) Speciation, Process of. Reference Module in Life Sciences (LIFE). Elsevier Press.

Hood, G.R., **M. Glover**, C. Tait, W.L. Yee, and J.L. Feder. (2014) Detection of an apple- infesting population of *Rhagoletis pomonella* (Diptera: Tephritidae) in the state of Colorado, USA. *Pan-Pacific Entomologist.* 90(1):4-10.

Rull, J., M. Aluja, E. Tadeo, L. Guillen, S. Egan, **M. Glover**, and J.L. Feder (2013). Distribution, host plant affiliation, phenology, and phylogeny of walnut-infesting *Rhagoletis* flies (Diptera: Tephritidae) in Mexico. *Biological Journal of the Linnean Society.* 110(4):765-779.

Nellas, R., **M.M. Glover**, D. Hamelberg, and T. Shen (2012). High-pressure effects on the dynamics of solvated peptides. *Journal of Chemical Physics* 136(145103):1-9.

Yao, J., R.B. Nellas, **M.M. Glover,** and T. Shen. (2011). Stability and Sugar Recognition Ability of Ricin-like Carbohydrate Binding Domains. *Biochemistry* 50(19), 4097-4104.

PRESENTATIONS

August 2017	**Glover, M.M.** and J.L. Feder. *Ecological Society of America Annual Meeting.*

November 2015 **Glover, M.M.** and J. L. Feder. Sexual and ecologically based reproductive isolation in the walnut-infesting *Rhagoletis suavis* species group. *Entomological Society of America Annual Conference*

March 2011 **Glover, M.M.,** J. Yao, R.B. Nellas, and T. Shen. Stability and Sugar Recognition Ability of Ricin-like Carbohydrate Binding Domains. Poster Presentation. *American Chemical Society.* National Meeting. Anaheim, CA.

OUTREACH

Spring 2016 **Paradigm Shift Mentor**
University of Notre Dame
Mentored high school student in developing research question and presentation

SOCIETY MEMBERSHIP

Entomological Society of America
Ecological Society

UNDERGRADUATE RESEARCH EXPERIENCE AND AWARDS

Research Experience

Fall 2011-2012 **Honors Thesis**
Adaptation to a novel environment drives female habitat preference, not mate choice
Advisor: Dr. Benjamin Fitzpatrick.
Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN

Summer 2011 **NSF REU Recipient**
An exploratory study of the effects of a chemosterilant on adult survival, sperm motility, mating behavior and patterns of egg laying in a cricket
Advisor: Jeremy Marshall
Department of Entomology, Kansas State University.

2010-2012 **Research Assistant**
Assisted on a project on the effects of hybridization on host shifts in *Tribolium castaneum* and conducted behavioral assays to study death-feigning behavior in *Tribolium castaneum.*
Advisor: Dr. Benjamin Fitzpatrick
Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN

2009-2011	**Research Assistant** Executed molecular dynamic (MD) simulations, performed initial set up of systems, long-scale MD simulations, and analysis. Advisor: Dr. Tongye Shen Department of Biochemistry, Cellular and Molecular Biology University of Tennessee, Knoxville, TN. Center for Molecular Biophysics Oak Ridge National Lab, Oak Ridge, TN

Presentations

March 2012	**Glover, M.M.,** D.R. Dittrich-Reed, and B.M. Fitzpatrick. Adaptation to a novel environment drives female habitat preference, not mate choice. *EUReCA: Exhibition of Undergraduate Research And Creative Achievement.* University of Tennessee, Knoxville, TN.
March 2011	**Glover, M.M.** and D.R. Dittrich-Reed. Effects of Light-Dark Cycles on Death-Feigning in Two Species of Tribolium. Poster Presentation. *EUReCA: Exhibition of Undergraduate Research And Creative Achievement.* University of Tennessee, Knoxville, TN

Awards

2012	**Outstanding Undergraduate Award** Given to one undergraduate per year Ecology and Evolutionary Biology Department University of Tennessee, Knoxville, TN
2012	**Poster Contest Award Winner** Undergraduate Poster Exhibition University of Tennessee, Knoxville, TN
2011	**Chancellor's Honor Program Research Grant** University of Tennessee, Knoxville, TN