
DR. LAURA ANNE WEISER ERLANDSON

Texas A&M University – Central Texas
1002 Leadership Place
Killeen, TX 76549

EDUCATION

Ph.D. Entomology (co-major: Ecology & Evolutionary Biology) Iowa State University, IA

M.A. Biology Binghamton University (SUNY), NY

B.S. Biology (Chemistry minor) Daemen College, NY

EMPLOYMENT

Texas A&M University – Central Texas (2014 – Present)

Associate Professor of Biology

SUNY Institute of Technology (2003 – 2014)

Associate Professor of Biology

Coordinator, Biology and Chemistry Departments

Nursing Service coordinator

University of Minnesota (2002 – 2003)

Postdoctoral Research Associate, Invited Lecturer

Iowa State University (1997 – 2001)

Instructor, Invited Lecturer, Graduate Teaching Assistant, Graduate Research Assistant

Binghamton University (1995 – 1997)

Graduate Teaching Assistant, Graduate Research Assistant, Tutor

AWARDS

The Genesis Group Mohawk Valley Education Distinguished Service Award

WOE Outstanding Woman Recognition

Iowa State University Teaching Excellence Award

HONORS

SUNYIT Student Association Excellence in Teaching Award - nomination

SUNYIT Very Special Guest, Alumni Association to Senior/Graduate Send-off and Alumni Welcome

Gamma Sigma Delta Agricultural Honor Society

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Who's Who in Science and Engineering

Who's Who of American Women

Who's Who of Emerging Leaders

PROFESSIONAL ORGANIZATIONS

The Entomological Society of America
The Ecological Society of America
Kansas Entomological Society
Society of Southwestern Entomologists
International Organization for Biological Control
Public Responsibility in Medicine and Research (PRIM&R)
American Association of State Colleges and Universities (AASCU)

MANUSCRIPT REVIEWER (journals listed only)

Biological Control
Journal of Insect Science
Journal of Pest Science

REFEREED PUBLICATIONS

Weiser Erlandson L. A., Heimpel G. E., & M. F. Antolin. Interactions between complementary sex determination and *Wolbachia* in parasitoid wasps. *In prep.*

Weiser Erlandson, L. A., and L. L. Machold. Selected herbivores feeding on purple loosestrife in New York. *In prep.*

Weiser Erlandson, L. A., J. J. Obrycki, and M. E. Rice. 2016. Early occurrence of *Empoasca fabae* in and adjacent to alfalfa fields in Iowa. *Journal of Entomological Science* 51(3):

Weiser Erlandson, L. A. and J. J. Obrycki. 2015. Population dynamics of *Empoasca fabae* (Homoptera: Cicadellidae) in central Iowa alfalfa fields. *J. Insect Sci.* 15(1): 121; 1-6.

Weiser Erlandson, L. A. and J. J. Obrycki. 2010. Predation of immature and adult *Empoasca fabae* (Harris) (Hemiptera: Cicadellidae) by three predatory insect species. *J. Kansas Entomol.* 83(1): 1–6.

Weiser L. A., M. F. Antolin, Z. Wu, and G. E. Heimpel. 2004. Does temperature affect diploid male production in *Habrobracon hebetor*? *J. Hym. Res.* 13(2): 309–315.

Heimpel, G. E., J. C. Lee, Z. Wu, **L. Weiser**, F. Wäckers, M. A. Jervis. 2004. Gut sugar analysis in field-caught parasitoids: adapting methods used on biting flies. *Intl. J. Pest Mgmt.* 50(3): 193–198.

Weiser, L. A., J. J. Obrycki, and K. L. Giles. 2003. Strip harvesting in alfalfa traps potato leafhoppers (Homoptera: Cicadellidae). *J. Econ. Entomol.* 96(4): 1184–1192.

Crum, D. A., **L. A. Weiser**, and N. E. Stamp. 1998. Effects of prey scarcity and plant material as a dietary supplement on an insect predator. *Oikos* 81: 549–557.

Weiser, L. A. and N. E. Stamp. 1998. Combined effects of allelochemicals, prey availability, and supplemental plant material on growth of a generalist insect predator. *Entomologia Experimentalis et Applicata* 87: 181–189.

RESEARCH PRESENTATIONS

Weiser Erlandson, L. A. 2016. The ecology of youth homelessness. American Democracy Project Provost Lecture Series, Texas A&M University – Central Texas, Killeen, TX.

Weiser Erlandson, L. A. 2014. Using biological control to manage pests. University of North Texas, Dallas, TX.

Weiser Erlandson, L. A., Heimpel G. E., & M. F. Antolin. 2010. Effects of *Wolbachia* on complementary sex determination in parasitoid wasps. Concordia University, St. Paul MN.

Weiser Erlandson, L. A., Heimpel G. E., & M. F. Antolin. 2010. Effects of *Wolbachia* on complementary sex determination in parasitoid wasps. Utica College Asa Gray Biological Society, Utica, NY.

- Weiser Erlandson, L. A.** and L. L. Machold. 2008. Natural enemies of purple loosestrife, *Lythrum salicaria*, found in the Utica Marsh (Oneida Co., NY): Effects on growth and reproduction. Oneida BOCES teacher workshop.
- Weiser Erlandson, L. A.**, and L. L. Machold. 2008. Natural enemies of purple loosestrife, *Lythrum salicaria*, found in the Utica Marsh (Oneida Co., NY): Effects on growth and reproduction. Annual Meeting of the Entomological Society of America, Reno, Nevada
- Weiser Erlandson, L. A.**, and L. L. Machold. 2007. Biological control of purple loosestrife (*Lythrum salicaria*) in the Utica Marsh: effects of *Galerucella californiensis* and other marsh herbivores. Annual Meeting of the Entomological Society of America, San Diego, California
- Weiser Erlandson, L. A.** and M. J. Krupski. 2007. Beetles and the purple loosestrife at the Utica Marsh. Oneida BOCES teacher workshop.
- Weiser Erlandson, L. A.**, M. J. Krupski, and L. L. Machold. 2005. Post-release monitoring of *Galerucella spp.*: an establishment study for biological control of purple loosestrife in the Utica Marsh. Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida
- Weiser Erlandson, L. A.** 2005. Potential for biological control of purple loosestrife in the Utica Marsh. Dean's Coffee, SUNY Institute of Technology.
- Heimpel G. E., **L. A. Weiser**, & M. F. Antolin. 2004. Interactions between complementary sex determination and *Wolbachia* in parasitoid wasps. International Congress of Entomology, Brisbane, Australia.
- Weiser, L. A.** 2003. Using habitat manipulation to enhance biological control. State University of New York Institute of Technology, Utica, NY.
- Weiser, L. A.**, G. E. Heimpel, & M. F. Antolin. 2002. Effects of temperature and *Wolbachia* on the production of diploid males in *Habrobracon hebetor*. Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida.
- Weiser, L. A.** 2001. Enhancing biotic mortality of the potato leafhopper, *Empoasca fabae*. Ph.D. Dissertation defense. Iowa State University, Ames, IA.
- Weiser, L. A.**, J. J. Obrycki, and K. L. Giles. 2000. Strip-harvesting in alfalfa: a management tool for the cultural and biological control of the potato leafhopper. Annual Meeting of the Entomological Society of America, Montréal, Québec, Canada.
- Weiser, L. A.** 2000. Combined effects of allelochemicals, prey availability, and supplemental plant material on growth of a generalist insect predator. Ecology and Evolutionary Biology Brown Bag Lunch Series, Iowa State University, Ames, IA.
- Weiser, L. A.**, J. J. Obrycki, and K. L. Giles. 2000. Strip harvesting in alfalfa: implications for the cultural and biological control of the potato leafhopper. Iowa State University Ecology & Evolutionary Biology Annual Spring Symposium, Ames, IA.
- Weiser, L. A.**, J. J. Obrycki, and K. L. Giles. 2000. Strip harvesting in alfalfa as a trap crop for *Empoasca fabae* (Harris) (Homoptera: Cicadellidae). Entomological Society of America North Central Branch Meeting, Minneapolis, MN.
- Weiser, L. A.** & J. J. Obrycki. 1999. Predation rates of three insect predators of *Empoasca fabae* (Harris) (Homoptera: Cicadellidae). Annual Meeting of the Entomological Society of America, Atlanta, GA.
- Weiser, L. A.** & J. J. Obrycki. 1999. Early occurrence of *Empoasca fabae* in and adjacent to alfalfa fields in Iowa. Entomological Society of America North Central Branch Meeting, Des Moines, IA.
- Weiser, L. A.**, J. J. Obrycki, and K. L. Giles. 1998. Use of strip-harvesting to manage the potato leafhopper, *Empoasca fabae*, in Alfalfa Fields. Annual Meeting of the Entomological Society of America, Las Vegas, NV.

Weiser, L. A., J. J. Obrycki, and K. L. Giles. 1998. Within field distribution of the potato leafhopper and natural enemies following strip-harvesting of alfalfa. Midwest Biological Control Workshop. Kellogg Biological Station, Michigan.

Weiser, L. A., J. J. Obrycki, and K. L. Giles. 1998. Within field distribution of the potato leafhopper and natural enemies following strip-harvesting of alfalfa. Entomological Society of America North Central Branch Meeting, Sioux Falls, SD.

Weiser, L. A. 1997. Combined effects of allelochemicals, prey availability, and supplemental plant material on growth of a generalist insect predator. Master of Arts Research Seminar. Binghamton University, State University of New York, Binghamton.

Weiser, L. A. and N. E. Stamp. 1996. Combined effects of allelochemicals, prey availability, and supplemental plant material on growth of *Podisus maculiventris* (Say). Annual Biological Sciences Symposium. Binghamton University, State University of New York, Binghamton.

BOOK CHAPTERS

Wilson, D. S., C. Wilczynski, A. Wells, & **L. Weiser.** 2000. Gossip and other aspects of language as group-level adaptations. *In: Evolution of cognition.* Heyes & Huber [eds.]. The MIT Press, Cambridge, Massachusetts, pp. 347 – 365.

NON-REFEREED PUBLICATIONS

Weiser, L. A. 2001. Enhancing biotic mortality of the potato leafhopper, *Empoasca fabae*. Ph.D. Dissertation. Iowa State University, Ames, IA.

Weiser, L. A. 1999. Strip-harvesting to manage potato leafhopper in alfalfa. Practical Farmers of Iowa 1998 winter workshops, PFI membership meeting, and on-farm trials report. January 8–9.

Weiser, L. A. 1997. Combined effects of allelochemicals, prey availability, and supplemental plant material on growth of a generalist insect predator. M.A. Thesis. Binghamton University, State University of New York, Binghamton. 40 pp.

GRANT ACTIVITY

\$10,000. Eastern Apicultural Society. Investigating the Role of the Bee Honey Stomach Microbiome in the Composition and Quality of Honey. Allyson K. Martínez, **Laura Weiser Erlandson**, and Linh Pham. *Submitted.*

\$24,500. The Chancellor's Area 41 Challenge Grants: Challenge #6: A System of Public Schools that Should Deliver the Highest Quality Education to Our Citizens. **Laura Weiser Erlandson** and Season Mussey. *Not funded.*

\$6,100. SUNY RF Small Grant Sustainability Fund. Design and Build Sustainable Bus Stop Shelter: Project-based Learning to Integrate Sustainability into Educational Programs at SUNYIT. Xinchao Wei, Andrew Wolfe, **Laura Weiser Erlandson**, Kristina Boylan.

\$218,152. EPA Wetland Program Development Grant. Monitoring and assessment of roadside compensatory wetland functionality in improving water quality and habitat health. Xinchao Wei, **Laura Weiser Erlandson**, Andrew Wolfe, Carlie Phipps. *Not funded.*

\$342,298. EPA Wetland Program Development Grant. Monitoring and Evaluation of Roadside Compensatory Mitigation Wetlands: Functionality in Water Quality and Habitat Health. Xinchao Wei, **Laura Weiser Erlandson**, Andrew Wolfe, Carlie Phipps. *Not funded.*

\$ 987,489. 2008 National Science Foundation. CAREER: An integrated research/educational project to evaluate interactions among exotic and native lady beetles; the impacts of intraguild predation using molecular techniques. **L.A. Weiser Erlandson.** *Not funded.*

\$33,500. Summer 2008 SUNYIT Excelsior Scholars Program. (*contributor*).

\$3,650. 2008 Crouse Grant. Data analysis and manuscript preparation. **L.A. Weiser Erlandson.**
\$32,524. 2007 Summer Class/Institute for Teachers in Math/Science. NYS Education Department (contributor).
\$4,182. 2006 Crouse Grant. Post-release monitoring of *Galerucella californiensis* in the Utica Marsh. **L.A. Weiser Erlandson.**
 \$4,750. 2006 Women’s Fund of Herkimer and Oneida Counties. Math/Science Girls Camp of Summer 2006. J. Joseph, C. Phipps, Z. Thomova, V. Tichenor, and **L. Weiser Erlandson.** *Not Funded*
 \$3,300. 2005-2006 Faculty Grants Program. SUNYIT Educational Trail Guide. **L.A. Weiser Erlandson** and C. J. Phipps. *Not funded.*
\$4,182. 2005 Crouse Grant. Post-release monitoring of *Galerucella californiensis* in the Utica Marsh. **L.A. Weiser Erlandson.**
 \$3,300. 2004-2005 Faculty Grants Program. SUNYIT Educational Trail Guide. **L.A. Weiser Erlandson** and C. J. Phipps. *Not funded.*
\$2,600. 2004 Crouse Grant. Potential for biological control of purple loosestrife in the Mohawk Valley. **L. A. Weiser.**
 \$90,000. 2001 United States Department of Agriculture Post-doctoral Fellowship. Efficacy and compatibility of *Aphelinus albipodus* and *Lipolexis gracilis* as biological control agents of the soybean aphid, *Aphis glycines*. **L.A. Weiser.** *Not funded.*
 \$94,090. 1999 North Central Region IPM. Re-establishment of *Zoophthora radicans* in Iowa for suppression of the potato leafhopper. J. J. Obrycki, L. C. Lewis, and **L. A. Weiser.** *Not funded.*

COMMITTEES & ORGANIZATIONS

Texas A&M University – Central Texas

Institutional Animal Care and Use Committee	Chair	2016 – Present
Committee on Research Involving Human Subjects	Member	2014 – Present
Faculty Scholarship and Research Committee	Member	2015 – Present
Environmental Health and Safety Council	Member	2014 – Present
Research Faculty Position Search	Member	2016
Nursing Faculty Position Search	Member	2016
Biochemistry Faculty Position Search	Chair	2015
Laboratory Coordinator II Position Search	Chair	2015
Mathematics Master’s Degree Committee	Member	2015
Distinguished Student Leadership & Service Awards	Member	2015

Central Texas Community

Parrie Haynes Ranch Planning Committee	Member	2016
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Entomological Society of America

Southwestern Branch Program committee		2016
Jeffery LaFage Graduate Student Award Judging Panel	Chairperson	2011 - 2014
Annual Meeting Graduate Student Awards Judge		2015 - Present, 2008
Annual Meeting Paper Presentation Session Moderator		2010

SUNY Institute of Technology

“Red College” Steering Committee	Chairperson	2014
Engineering, Science, and Mathematics Executive Council	Member	2010 – 2014

Administrative Judicial Board	Member	2010 – 2014
Evaluation of Academic Administrators	Member	2012 – 2014
Faculty Workload Committee	Member	2012 – 2014
Campus Safety Advisory Committee	Member	2012 – 2014
General Education Committee	Member	2010 – 2014
Psychology Faculty Position Search	Member	2012
Biochemistry Faculty Position Search	Chairperson	2010
Collegiate Science & Technology Entry Program advisory board	Member	2010 – 2011
Institute-wide Curriculum Committee	Member	2010 – 2011
	Chairperson	2007 – 2009
	Member	2004 – 2009
Faculty Assembly Executive Council	Member	2007 – 2009
Committee on Research Involving Human Subjects	Member	2003 – 2009
Institute-wide Assessment	Member	2003 – 2005
Arts & Science Dean Search Committee	Member	2009 – 2010
Criminal Justice Faculty Search Committee	Member	2009
Anthropology Faculty Position Search	Member	2005
Arts & Sciences Graduation Marshal		2004
 <u>SUNYIT Student Organizations</u>		
Health and Pre-Med Society (HPS)	Faculty Adviser	2013 – 2014
 <u>Mohawk Valley Community College</u>		
Science programs assessment and review	External reviewer	2014
 <u>Utica Marsh Council</u>		
	Member	2005 – 2014
	President	2010 – 2011
		2007 – 2008
	Secretary	2005 – 2007

CERTIFICATIONS

2014 NIH Protecting Human Research Participants

EDUCATIONAL WORKSHOPS

SUNYIT Girls Math/Science Camp. 2007 – 2014. Instructor.

Ilion Central School District. 2012. Instructor. Science outreach seminar.

Excelsior Math/Science Program. 2008. Instructor.

SUNYIT/ BOCES Institute for Teachers in Math/Science. 2007. Instructor.

SUNYIT Applied Math Camp. 2005. “It’s a Jungle Out There: predator-prey dynamics”. Instructor

SUNYIT Brownfields to Greenfields II. 2004. Instructor.

PROFESSIONAL DEVELOPMENT

OHRP Workshop: Challenges in IRB Review of Social, Behavioral, and Educational Research. March 2016. Texas A&M University, College Station, TX.

BAM Level I User Training. 2015. TAMUCT

Two-Day Professional Grant Development Workshop. 2015. TAMU Health Science Center, Round Rock TX.

AASCU, American Democracy Project: Stewardship of Public Lands. 2015 Yellowstone, WY.
PRIM&R IACUC Conference. 2015. Fundamentals of IACUC. Boston, MA
SUNYIT Workshop. Project based student learning workshop. November 2013.
SUNY Webinar. Jan 2013. Effective Time Management.
SUNY STEM conference: Building Toward Equity and Excellence. November 2011.
ANGEL training. 2010. Reena Lederman Gerard, SUNYIT
National Science Foundation: Grant Workshop Day. 2009. Binghamton (SUNY) University, Binghamton, NY.
CETL Idea Laboratory: The Tablet PC. 2008. Joseph Gerard and Reena Lederman Gerard, SUNYIT Center for Excellence in Teaching
Re-thinking the Design of Overheads: Moving from Verbal to Visual. 2007. Russell Kahn, SUNYIT Center for Excellence in Teaching
Vernier Software & Technology workshop. 2006. Utica, New York.
Grant Writing Workshop. 2004. SUNY Teaching Center Workshop, Syracuse, New York.
Wildland & Outdoor Navigation. 2004. Mohawk Valley Community College, Utica, New York
Effective Teaching: Tips, Techniques, & Treasures. 2004. SUNY Teaching Center Workshop, Buffalo, New York.
Preparing Future Faculty. 2002. Teaching in higher education, University of Minnesota.
Preparing Future Faculty Retreat Workshop. 2002. University of Minnesota.
Midwest Institute of Biological Control. 2000. Insect pathology. University of Illinois.
Midwest Institute of Biological Control. 1999. Importation biological control of Midwestern pests. Montpellier, France.
Midwest Institute of Biological Control. 1998. Habitat management for biological control and biological control in annual crop habitats. Kellogg Biological Station, Michigan.
Midwest Institute of Biological Control. 1997. International aspects of biological control. Pan-American School of Agriculture, Zamorano, Honduras.

EDUCATION, OUTREACH, & COMMUNITY SERVICE

Mentor/Advisor

Girl Scouts of America Troop Leader. 2011 – 2014.
4-H Science Days. 2013. Instructor; wetland ecology.
BOCES Regional Program for Excellence. 2006. Mentored an advanced high school student in ecological issues.
Girl Scouts of America Advisor. 2006. Advised two girl scouts in a Gold Award project involving designing a butterfly garden.

Activities

Insect Expo. 2016. Presentation to approximately 1000 3rd-5th graders on the role of insects in decomposition and forensic science. Tyler, TX.
Southwest Elementary, BISD. 2015. Interactive live insect demonstration
Skipcha Elementary School, KISD. 2015. Presentation to 3rd grade classrooms on being a scientist.
Skipcha Elementary School, KISD. 2015. Interactive live insect demonstration.
SUNYIT Insect Zoo 2005 – 2014. Interactive live insect demonstration.
Clinton Middle School Science Fair Judge. 2004 - 2014
Clinton High School Science Fair Judge. 2004 - 2014
SUNYIT Geek Week. 2008 –2014. Madagascar Hissing Cockroach races and Bug eating
Love My Park Day. 2014. Clean up event at Delta State Park, NY.

Utica Marsh Purple Project 2005 - 2010

Utica Marsh Annual Cleanup. 2005 – 2010. Coordinator

Utica Monday Nite Walk and Talk Series. 2005 – 2010. “Things that fly aren’t always birds”

Vagina Monologues Productions. 2006 – 2009.

SUNYIT Wild Day. 2008.

SUNYIT Fall Fest. 2008. Madagascar Hissing Cockroach races and Bug eating

Pleasant Hills Garden Club Lecture. 2005. “Good bugs, bad bugs”

Twin Cities (MN) Regional Science Fair Judge. 2002

Iowa State University Insect Zoo. 1998 – 2001. Interactive live insect demonstration.

Practical Farmers of Iowa Field Days. 1997 - 2001

“Taking the Road Less Traveled” Career Conference. 1999 – 2000. Iowa State University.

Girls Enjoying Math and Science (GEMS) workshop. 1999. Iowa State University.

Featured in Publications

Donald Feldstein. Sept. 2012. UUPers help steer girls toward math, science. The Voice. United University Professions.

Daniel Bader. 2012. SUNYIT science and math camp geared toward girls. Utica Observer Dispatch.

Iowa State University. 1999. Alfalfa growers hope fungus mashes potato leafhoppers. College of Agriculture 1998 Annual Report page 6.

Craig Reber. 1999. Flame cultivator among hot items at demonstration. Telegraph Herald.

Ann Behling. 1998. Alfalfa strips trap leafhoppers: Iowa researchers examine low-cost control method. Hay & Forage Grower August page 20.

Jean Caspers-Simmet. 1998. Researchers seeking non-chemical controls for pests in alfalfa. Agri News. April 9, page E11.