

ELEANOR JANE BLITZER

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EDUCATION

- PhD** **University of California, Berkeley**, Environmental Science, Policy, and Management, expected December 2010
- BS** **University of Wisconsin-Madison**, Entomology, 2004

FELLOWSHIPS / GRANTS

- DAAD Doctoral Candidate Research Fellowship** 2009
“Apparent competition and plant diversity impacts on parasitoid-host food webs in Sunflowers” German Academic Exchange Council, \$5,500
- National Science Foundation Graduate Research Fellowship** 2007
“Testing apparent competition in a leafminer-parasitoid system” National Science Foundation, \$90,000
- Robert van den Bosch scholarship** 2006-2009
“Apparent competition impacts on parasitoid-host food webs in Sunflowers” Robert van den Bosch Memorial Fund, \$20,000
- The Land Institute Graduate Research Fellowship** 2006-2007
“Plant diversity impacts on parasitoid host selection in sunflowers: A quantitative food web approach” The Land Institute, \$6,000
- Wisconsin/Hilldale Undergraduate/Faculty Research Fellowship** 2003-2004
“Functional analysis of AeSCP-2 using gene expression knockdown”

AWARDS

- UC Berkeley Johannes Joos Memorial Award** 2010
UC Berkeley Johannes Joos Memorial Award 2009
Dean’s List University of Wisconsin-Madison 2001-2004

PUBLICATIONS

- Blitzer EJ**, Dormann CF, Holzschuh A, Klein AM, Rand TA, and Tscharnkte T. (2010) Functionally important spillover of organisms across the managed system-natural habitat interface—a review. (submitted)
- Blitzer EJ** and Welter SC. (2010) Temporal asynchrony between herbivores leads to asymmetric apparent competition in the field. (submitted)
- Blitzer EJ**, Vyazunova I, and Lan Q. (2005) Functional analysis of AeSCP-2 using gene expression knockdown in the yellow fever mosquito, *Aedes aegypti*. *Insect Molecular Biology* 14 (3): 301-307

RESEARCH OVERVIEW

Food web ecology – direct and indirect interactions in tri-trophic systems

Competition theory – experimentally testing the strength of apparent competition in the field based on predictions from quantitative food webs and quantitative parasitoid overlap analysis

Ecology of heterogeneous landscapes – functionally important spillover of herbivores, pathogens, pollinators, predators, and seed dispersers across managed system– natural habitat interfaces

PRESENTATIONS

“Ecology of Interactions – direct and indirect competition among insects” - guest lecture upper division insect ecology course, University of California, Berkeley, 2010 (invited)

“Quantifying indirect interactions among herbivores and their shared natural enemies in the field”
- Ecological Society of America Annual Meeting 2010 (oral)

“From pheromones to food webs: Herbivore ecology in managed and native habitats” –
Agroecology, Tschardtke Lab Georg-August-University Göttingen, Germany, 2009 (invited)

“Apparent competition among leafminers and their shared natural enemies in the field” –
Entomological Society of America Annual Meeting 2009 (oral)

“Shared parasitism amongst two leafminer species: A quantitative food web approach” –
Ecological Society of America Annual meeting 2008 (poster)

“Shared Parasitism amongst two leafminer species: A quantitative food web approach” –
Entomological Society of America Pacific Branch Annual Meeting 2007 (poster)

RESEARCH EXPERIENCE

University of California, Berkeley 2005-2010
Graduate student researcher – Welter lab

Agroecology, Georg-August-University, Göttingen, Germany 2009
Visiting scholar – Tschardtke lab

University of Wisconsin-Madison 2004
Ecology lab/field assistant - Gratton lab

University of Wisconsin-Madison 2002-2004
Molecular biology researcher/lab assistant - Lan lab

TEACHING EXPERIENCE

Teaching Assistant - University of California, Berkeley 2008
General Biology – Field section
Special lab section required semester-long independent field projects by all students

Teaching Assistant - University of California, Berkeley 2006
Pesticide Chemistry and Toxicology

PROFESSIONAL TRAINING

Parasitic Hymenoptera Workshop 2008
Hymenopteran taxonomy short course

RELEVANT COURSEWORK

Seminar on Biodiversity & Agriculture 2010
Introduction to Multivariate Statistics 2007
Systematics of Vascular Plants 2006
Geographic Information System 2006
Analysis of Environmental Data 2005
Biological Control of Insects 2004
General Entomology 2003
Insect Adult Taxonomy 2004
Insect Physiology

SERVICE

UC Berkeley Undergraduate Research Apprentice Program 2007-2010
Mentored undergraduate student researchers

Entomological Society, Pacific Branch Student symposium 2010
Organizing committee member

Community Resources for Science – Volunteer teacher 2008-2009
Developed and implemented teaching module “Food Webs Alive” for local elementary schools

Girl’s Inc. Eureka internship program mentor 2007
Summer long research experience for at-risk high school girls

Entomological Students Organization - Treasurer 2006-2007