

*Curriculum Vitae*

**Erich N. Schoeller**

*Updated 5 September 2018*

***PERSONAL INFORMATION***

---

Address: 4086 Mount Vernon Ave.  
Riverside, CA 92507

Phone: (225) 615-6666  
E-mail: escho002@ucr.edu

***EDUCATION***

---

B.S., Biology, 2008  
University of Wisconsin-Whitewater

M.S., Entomology, 2011  
Louisiana State University  
Major Professor: Jeremy D. Allison

Ph.D., Entomology, 2018  
University of California-Riverside  
Major Professor: Richard A. Redak

***RESEARCH INTERESTS AND PROFESSIONAL GOALS***

---

My research interests include insect ecology and behavior, with a particular emphasis on predator-prey and predator competitive interactions and how they affect population level processes. In order to increase my expertise in these fields, during my thesis I elucidated the trophic ecology of a group of serious forest pests and their predators (Schoeller et al. 2012; Schoeller & Allison, 2013). During this period, I received training in trophic, chemical, and forest ecology as well as gained experience in trapping and molecular identification techniques. During my dissertation I examined the parasitoid-host interactions between the giant whitefly and three parasitoids released for its control in California (Schoeller et al. 2018; Schoeller & Redak 2018a,b). I was able to further advance my training in trophic and population ecology and gained training in the fields of biological control, IPM, parasitoid behavior, horticultural entomology, and parasitoid-host interactions. My current research goals are to further strengthen these areas by gaining exposure to new study systems and delve into supporting topics that will broaden my ability to think critically about pending issues in these fields.

My professional goal is to obtain a tenure-track academic position within a research university, preferably within an entomology or ecology department. My rationale for wanting to go this route is that I feel strongly it is the responsibility of scientists to share their knowledge not only amongst their peers, but with students who can benefit from their expertise in a classroom environment. In addition to the required knowledge outlined above necessary to achieve my professional goals, over the course of my masters and Ph.D. degrees I was able to acquire a sound background in statistical modeling and analysis, training management of laboratory workers, scientific and grant writing, experimental design, and oral communication. I was also given the opportunity to teach, which solidified my commitment to my career path. I feel now that in order to solidify my ability reach my career goals, experience as a postdoctoral researcher is necessary to gain the additional professional skills to easily transition into an academic role.

### ***PROFESSIONAL POSITIONS***

---

Sep 2011 – 2018 (7 years): Graduate Assistant Researcher  
Department of Entomology, University of California – Riverside, Riverside, CA  
*Supervisor:* Dr. Richard A. Redak  
*Duties:* Dissertation research, teaching, supervision of undergraduate student workers, and outreach.

Sep 2008 – Sep 2011 (3 years): Graduate Assistant Researcher, Forest Entomology Lab  
Department of Entomology, Louisiana State University, Baton Rouge, LA  
*Supervisor:* Dr. Jeremy D. Allison  
*Duties:* Thesis research, supervision of undergraduate student workers, assisting in field work.

### ***GRANTS AND SCHOLORSHIPS***

---

2017: UCR Dissertation Year Fellowship (\$7,200)  
2016: USDA NIFA Predoctoral Fellowship (\$73,711)  
2015: Robert van den Bosch Memorial Scholarship (\$20,000)  
2015: California Nurseryman's Association Grant (\$22,000)  
2005: Wisconsin Be SMART Coalition Scholarship (\$500)

### ***AWARDS***

---

Entomological Society of America Graduate Student Poster Competition 1<sup>st</sup> Place:  
Biological Control and Insect Pathology

### ***SOCIETAL POSTS***

---

Secretary, UCR Entomology Graduate Student Association (2012)

### ***MEMBERSHIPS IN PROFESSIONAL SOCIETIES***

---

The Xerces Society for Invertebrate Conservation (2013 – present)  
Entomological Society of America (2010 – present)

### ***TEACHING EXPERIENCE***

---

Laboratory Teaching Assistant, Introductory Evolution and Ecology (BIOL 005C)  
University of California- Riverside (Spring 2015)

Laboratory Teaching Assistant, Insect Ecology (ENTM 127) University of California-  
Riverside (Winter 2014 Quarter)

Laboratory Teaching Assistant, Natural History of Insects (ENTM 010) University of  
California- Riverside (Fall 2012; Spring, Fall 2013 Quarters)

### ***OUTREACH ACTIVITIES***

---

MOMS Club Riverside Bug Fair, raised money for a local charity with live insects, insect crafts  
for kids, and speaking with 2-8 year olds about insects (September 2013).

UCR School of Medicine, discussed medical entomology careers with aspiring M.Ds. to promote  
the merits of having some entomological background in their work (July 2013).

Women in Math and Science (WIMS), discussed entomology careers with science-minded young  
women to encourage them to pursue a career in the sciences (June 2013).

UCR Botanical Gardens, hands on experience with insects to educate the general public about the  
beneficial aspects of insects (April 2013)

Riverside Metropolitan Museum, hands on experience with insects to educate the general public  
about the beneficial aspects of insects (February 2013)

Discover Day, hands on experience with insects to recruit undecided students to join the  
Entomology Program (February 2013)

AgMagic, A one-week-long hands-on exhibition to educate the general public about agriculture-  
related topics (co-exhibitor for the Department of Entomology, 2011)

Mad Dog Marathon, a 24-hour BioBlitz-style event entirely on the LSU campus, during which  
time participants assemble an entire insect collection. (participant, June 2009, May 2010)

### ***RESEARCH AND INTERNSHIPS***

---

2011–2018: **Dissertation Research.** Enhancement of *Aleurodicus dugesii* (Hemiptera:  
Aleyrodidae) biological control and parasitoid competitive interactions.

2008–2011: **Thesis Research.** Seasonal phenologies and population dynamics of the  
southern *Ips* species (Coleoptera: Curculionidae: Scolytinae) in Louisiana.

2008–2011: **Thesis Research.** Characterization of the subcortical interactions between larval *Monochamus titillator* (Coleoptera: Cerambycidae) and immatures of the southern pine beetle guild (Coleoptera: Curculionidae: Scolytinae).

2007–2008: **Undergraduate Research.** Egg Parasitism on the spider *Dictyna foliacea* (Araneae: Dictynidae) by the parasitoid wasp *Pteromalus platyphilus* (Hymenoptera: Pteromalidae) (undergraduate research).

2007: **Undergraduate Internship.** Vegetation community mapping of the Allen Creek Watershed using pre-settlement land survey records (undergraduate internship).

### ***PROFESSIONAL MEETINGS ATTENDED***

---

Entomological Society of America, PAC Branch (Reno, NV June 2018)

International Congress of Entomology (Orlando, FL September 2016)

USDA NIFA Annual Project Directors Meeting (Washington DC, August 2016)

UC ANR Statewide Horticultural Workers Workshop (Davis, CA July 2015)

Entomological Society of America (Portland, OR November 2014)

Entomological Society of America (Reno, NV December 2011)

Entomological Society of America (San Diego, CA December 2010)

East Texas Forest Entomology Seminar (Nacogdoches, TX April 2009)

East Texas Forest Entomology Seminar (Nacogdoches, TX October 2009)

### ***PRESENTATIONS***

---

#### **Oral Presentations**

Parasitoids of the Giant Whitefly *Aleurodicus dugesii*. September 2016. Invited Speaker. International Congress of Entomology, Orlando, FL.

Biological Control of Giant Whitefly. July 2015. Invited Speaker. UCANR Statewide Horticulture Workers Workshop,

Assessing the Subcortical Interactions between *Monochamus titillator* (Coleoptera: Cerambycidae) and the Southern Pine Beetle Guild (Coleoptera: Curculionidae: Scolytinae). November 2010. LSU Entomology Graduate Student Symposium. Baton Rouge, LA.

Characterization of the Subcortical Predatory Interactions by Larval Woodborers on the Larvae of Bark Beetles using Molecular Tools. April 2009. Invited Speaker. Stephen F. Austin State University. Nacogdoches, TX.

#### **Posters**

Host Stage Preferences of Parasitoids of the Giant Whitefly *Aleurodicus dugesii* (Hemiptera: Aleyrodidae). June 2018. ESA PAC Branch, Reno, NV.

The effects of host-produced wax on searching behavior and efficacy of parasitoids of the giant whitefly *Aleurodicus dugesii* (Hemiptera: Aleyrodidae). September 2016. International Congress of Entomology, Orlando, FL.

Temperature-Dependent Development of *Aleurodicus dugesii* Cockrell (Hemiptera: Aleyrodidae) under Constant Temperatures. September 2013. UCR Entomology Student Seminar Day. Riverside, CA.

Promoting Entomology at LSU: The Mad Dog Marathon. (w/ 7 other authors, first author: Parys, KA). December 2010. Entomological Society of America. San Diego, CA.

Preliminary PCR Analysis of Gut Contents in *Thanasimus dubius* (Cleridae) (w/ 7 other authors, first author: Campbell, RS). July 2010. Southern Forest Insect Work Conference. Wilmington, NC.

## ***REFEREED PUBLICATIONS***

---

### **Journal Articles**

- 1) **Schoeller EN**, Redak RA (2018) Host Stage Preferences of *Encarsia noyesi*, *Idiopus affinis*, and *Entedononecremnus krauteri*: Parasitoids of the Giant Whitefly *Aleurodicus dugesii* (Hemiptera: Aleyrodidae). *Environmental Entomology*. nvy129, <https://doi.org/10.1093/ee/nvy129>.
- 2) **Schoeller EN**, Redak RA (2018) Temperature-Dependent Development and Survival of Giant Whitefly *Aleurodicus dugesii* (Hemiptera: Aleyrodidae) Under Constant Temperatures. *Environmental Entomology*, nvy130, <https://doi.org/10.1093/ee/nvy130>.
- 3) **Schoeller EN**, Yassin M, Redak RA (2018) Host-produced wax affects the searching behavior and efficacy of parasitoids of the giant whitefly *Aleurodicus dugesii* (Hemiptera: Aleyrodidae). *Biological Control*. 121:74–79.
- 4) **Schoeller EN**, Allison JD (2013) Flight phenologies of the southeastern *Ips* species (Coleoptera: Curculionidae: Scolyntinae) and some associated Coleoptera in Central and Southern Louisiana. *Environmental Entomology*. 42:1226-1239.
- 5) **Schoeller EN**, Husseneder C, Allison JD (2012) Molecular evidence of facultative intraguild predation by *Monochamus titillator* larvae (Coleoptera: Cerambycidae) on members of the southern pine beetle guild. *Naturwissenschaften*. 99 (11):913-924.
- 6) **Schoeller EN**, Redak RA (2018) Effects of Temperature on Phenology and Biological Control of Giant Whitefly *Aleurodicus dugesii* (Hemiptera: Aleyrodidae) in Southern California. (In prep.)

## ***REFERENCES***

---

Dr. Richard Redak  
Email: [richard.redak@ucr.edu](mailto:richard.redak@ucr.edu)  
Phone: 951.827.7250

Dr. Timothy Paine  
Email: [timothy.paine@ucr.edu](mailto:timothy.paine@ucr.edu)  
Phone: 951.827.5835

Dr. Matt Daugherty  
Email: [matt@ucr.edu](mailto:matt@ucr.edu)  
Phone: 951.255.2807