

## CURRICULUM VITAE

### **PAUL ALVARADO LENHART**

Department of Entomology, University of Kentucky  
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## **EDUCATION**

Ph.D. Entomology, TEXAS A&M UNIVERSITY. 2014

Advisors: Dr. Micky Eubanks, Dr. Spencer Behmer

Dissertation: "Nutrient niches: An investigation of nutritional ecology in a generalist herbivore community."

B.Sc. Biology, minor Geology, UNIVERSITY OF TEXAS AT EL PASO. 2008

*Summa Cum Laude, Honors certificate, Dean's list 2004 to 2008*

Advisors: Dr. William Mackay, Dr. Jerry Johnson

Honors Thesis: "A Revision of the Giant Amazonian ants, *Dinoponera* Roger (Hymenoptera: Formicidae)."

## **POSITIONS**

Postdoctoral scholar, University of Kentucky. 2014-present

Supervisor: Dr. Jennifer White

Graduate research assistant, Texas A&M University. 2008-2014

Supervisors: Dr. Micky Eubanks, Dr. Spencer Behmer

## **GRANTS AND FUNDING**

2015 Orthopterists' Society Grant (\$1,470).

2014 NSF Postdoctoral Fellowship in Biology (\$207,000-*declined for prior commitment*)

2012 USDA AFRI NIFA Pre-doctoral Fellowship (\$74,823).

2012 Texas A&M EEB Student Travel Fellowship (\$700).

2012 Texas Ecolab research grant (\$4,290).

2011 Texas Ecolab research grant (\$10,975).

2010 Knipling-Bushland-SWAHRF Graduate Student Scholarship (\$10,000).

2010 Carl Storm Underrepresented Minority Fellowship (\$600).

2009 Orthopterists' Society Grant (\$1,000).

2008 Graduate Diversity Fellowship, Texas A&M University (\$75,000).

2005 Funding from NSF Undergraduate Mentoring in Environmental Biology Grant (\$24,000)

2004 UTEP Presidential Excellence Scholarship Award (\$14,000)

## **PUBLICATIONS**

### Peer-reviewed

**Lenhart P.A.**, Eubanks M.D., and Behmer S.T. 2015. Water stress in grasslands: the dynamic response of plants and insect herbivores. *Oikos* 124:381-390.

Wagner S., Martinez A., Ruan Y., Kim K., **Lenhart P.A.**, Dehnel A.C., Oliver K., White J.A. 2015. Facultative endosymbionts mediate dietary breadth in a polyphagous herbivore. *Functional Ecology* 29(11):1402-1410.

Pechal J.L., Benbow M.E., Tomberlin J.K., Crippen T.L., Tarone A.M., Singh B., and **Lenhart P.A.** 2015. Field documentation of post-mortem arthropod activity on human remains. *Journal of Medical Entomology* 52(1):105-108.

**Lenhart P.A.**, Dash S.T., and Mackay W.P. 2013. A Revision of the Giant Amazonian ants of the Genus *Dinoponera* (Hymenoptera: Formicidae). *Journal of Hymenoptera Research* 31:119-164.

**Lenhart P.A.**, Mata-Silva V., and Johnson J. 2010. Foods of the pallid bat, *Antrozous pallidus* (Chiroptera: Vespertilionidae), in the Chihuahuan desert of western Texas. *The Southwestern Naturalist* 55(1):110-142.

### Other publications

**Lenhart P.A.** 2015. Combining nutrition and community ecology of grasshoppers to benefit ecosystems and people. *Metaleptea* 35(1): 8-9.

**Lenhart P.A.** 2011. Nutritional landscapes: redefining plant quality and its effects on grasshopper community structure. *Metaleptea* Vol. 31(2): 4-6.

Way, M.O., Nunez M.S., Pearson R.A., **Lenhart P.A.** and Eubanks M.D. 2011. Evaluation of selected insecticides for control of a long-horned grasshopper, 2010. *Arthropod Management Tests* Vol. 36. F71.

## **TEACHING EXPERIENCE**

### Lab instructor

General Entomology, Texas A&M University, ENTO 201, 50 students-3 sections. Spring 2012.  
Insect Physiology, Texas A&M University, ENTO 306, 43 students-2 sections. Fall 2011.

### Guest lecturer

Introductory Ecology, University of Kentucky, BIO 325. Spring 2016.  
Population and Community Ecology, University of Kentucky, BIO 609. Fall 2014, Fall 2015.  
General Entomology, Texas A&M University, ENTO 201. Spring 2012.  
General Entomology, Texas A&M University, ENTO 201. Fall 2011.

### Volunteer teaching assistant

Topics in Biology, UTEP, BIOL 4395. May 2008.  
Entomology, UTEP, ZOOL 3468. Fall 2007.  
Topics in Biology, UTEP, BIOL 4395. May 2007.  
Ecology, UTEP, BIOL 3416. April 2006.

Topics in Biology, UTEP, BIOL 4395. May 2005.

Field Biology, UTEP, BIOL 4225. April 2005.

### **HONORS AND AWARDS**

- 2013 1<sup>st</sup> Place graduate poster presentation, Texas A&M Ecological Integrated Symposium.  
2012 Texas A&M Dept. of Entomology Outstanding Graduate Student award for Ph.D.  
2011 2<sup>nd</sup> Place overall oral presentation, Texas A&M Student research week/ Ecological Integrated Symposium.  
2010 2<sup>nd</sup> Place Student Competition for the President's Prize: Plant-Insect Ecosystems Paper, Annual Meeting of the Entomological Society of America.  
2009 2<sup>nd</sup> Place Student Competition for the President's Prize: Ecology II Paper, Annual Meeting of the Entomological Society of America.  
2009 1<sup>st</sup> place Southwestern Branch of the Entomological Society of America Linnaean Games, team member.  
2008 Undergraduate Excellence in Research award, UTEP Dept. of Biological Sciences.  
2004 Eagle Scout.

### **PRESENTATIONS**

#### Invited Presentations (6 total)

**Lenhart, P.A.** 2016 Department of Entomology Seminar Series, University of Kentucky

**Lenhart, P.A.**, Eubanks, M.D., and Behmer, S.T. 2015. P-IE section symposium. Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota

**Lenhart, P.A.** 2015 Ecology Program Spring Seminar Series, Pennsylvania State University

**Lenhart, P.A.** 2014 Member symposium. Annual Meeting of the Entomological Society of America. Portland, Oregon

**Lenhart, P.A.** 2014 Department of Biology Ecolunch Seminar Series, University of Kentucky

**Lenhart, P.A.**, Behmer, S.T., and Eubanks, M.D. 2009 Department of Entomology Seminar Series, Texas A&M University

#### Standard oral presentations (18 total)

**Lenhart, P.A.** and White, J.A. 2015 Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota

**Lenhart, P.A.** and White, J.A. 2015 Annual Meeting of the North Central Branch of the Entomological Society of America. Manhattan, Kansas

**Lenhart, P.A.**, White, J.A. 2014 Annual Meeting of the Entomological Society of America. Portland, Oregon

**Lenhart, P.A.**, Behmer, S.T., and Eubanks, M.D. 2013 Annual Meeting of the Entomological Society of America. Austin, Texas

**Lenhart, P.A.**, Behmer, S.T., and Eubanks, M.D. 2013 98<sup>th</sup> Annual Ecological Society of America meeting. Minneapolis, Minnesota

**Lenhart, P.A.**, Eubanks, M.D., and Behmer, S.T. 2012 Annual Meeting of the Entomological Society of America. Knoxville, Tennessee

**Lenhart, P.A.**, Behmer, S.T., and Eubanks, M.D. 2012 97<sup>th</sup> Annual Ecological Society of America meeting. Portland, Oregon

**Lenhart, P.A.** 2012 13<sup>th</sup> Annual Ecological Integrated Symposium, Texas A&M University

**Lenhart, P.A.**, Behmer, S.T., and Eubanks, M.D. 2011 96<sup>th</sup> Annual Ecological Society of America meeting. Austin, Texas

**Lenhart, P.A.** 2011 12<sup>th</sup> Annual Ecological Integrated Symposium, Texas A&M University

**Lenhart, P.A.**, Eubanks, M.D., and Behmer, S.T. 2010 Annual Meeting of the Entomological Society of America. San Diego, California

**Lenhart, P.A.**, Behmer, S.T., and Eubanks, M.D. 2010 Department of Entomology Graduate Student Forum, Texas A&M University

**Lenhart, P.A.**, Behmer, S.T., and Eubanks, M.D. 2009 Annual Meeting of the Entomological Society of America. Indianapolis, Indiana

**Lenhart, P.A.**, Frank, S., Ramirez, R., and Eubanks, M. 2008 Annual Meeting of the Entomological Society of America. Reno, Nevada

**Lenhart, P.A.**, Dash, S.T., and Mackay, W.P. 2006 Annual Meeting of the Entomological Society of America. Indianapolis, Indiana

**Lenhart, P.A.**, Dash, S.T., and Mackay, W.P. 2006 53<sup>rd</sup> Annual Meeting of the Southwestern Association of Naturalists. Colima, Colima, Mexico

**Lenhart, P. A.**, Mata-Silva, V., and Johnson, J. D. 2005 52<sup>nd</sup> Annual Meeting of the Southwestern Association of Naturalists, Sam Houston State University, Huntsville, Texas

**Lenhart, P. A.** and Mackay, W. P. 2004 6<sup>th</sup> Symposium on the Natural Resources of the Chihuahuan Desert Region, Sul Ross State University, Alpine, Texas

Standard poster presentations (7 total)

**Lenhart, P.A.**, Eubanks, M.D., and Behmer, S.T. 2013 Student Research Week, Texas A&M University, College Station, Texas

**Lenhart, P.A.**, Eubanks, M.D., and Behmer, S.T. 2013 Ecological Integrated Symposium, Texas A&M University, College Station, Texas

**Lenhart, P.A.**, Eubanks, M.D., and Behmer, S.T. 2013 Plant-Herbivore Interactions Gordon Research Conference, Ventura, California

**Lenhart, P.A.**, Behmer, S.T., and Eubanks, M.D. 2010 Ecological Integrated Symposium, Texas A&M University, College Station, Texas

**Lenhart, P.A.**, Behmer, S.T., and Eubanks, M.D. 2010 Plant-Herbivore Interactions Gordon Research Conference, Galveston, Texas

**Lenhart, P.A.**, Armendariz, A., Davila, I., Dobrzyn, A., and Fairfield, D., 2008. Society for Advancement of Chicanos and Native Americans in Science Annual National Conference (SACNAS) Research Expo, University of Texas at El Paso. El Paso, Texas

**Lenhart, P.A.**, Dash, S.T., and W.P. Mackay. 2006 SACNAS Annual National Conference. Tampa, Florida

Coauthored Presentations (4 total)

Dehnel, A., Kim, K., **Lenhart, P.A.**, Martinez, A.J., Oliver, K.M., Ruan, Y.M., Wagner, S.M., and White, J.A. 2015. Annual Meeting of the Entomological Society of America. Minneapolis, Minnesota

Clissold, F.J., Richardson, A., **Lenhart, P.A.**, Behmer, S.T., and Simpson, S.T. 2014. Annual meeting of the Society for Integrative and Comparative Biology, Austin, Texas

Johnson, T.A., **Lenhart, P. A.**, Del Toro, S., Dash, S.T., Del Toro, I., and Mackay, W.P. 2006. 53<sup>rd</sup> Annual Meeting of the Southwestern Association of Naturalist. Colima, Colima, Mexico

Mata-Silva, V., Johnson, J.D., and **Lenhart, P.A.** 2005 52<sup>nd</sup> Annual Meeting of the Southwestern Association of Naturalists, Sam Houston State University, Huntsville, Texas

**SERVICE**

Leadership positions

- present-2017 Co-Chair of the 1st Gordon Research Seminar on Plant-Herbivore Interactions.  
2015 Symposia organizer “Little Microbes Big World: demonstrating the role that insect symbionts play in nature.” Annual Meeting of the North Central Branch of the Entomological Society of America.
- 2011, 2013 Entoblitz organizer. Collecting weekend blitz for entomologists and collectors from across Texas (<http://entoblitz.tamu.edu/>).
- 2009-2013 President, Texas A&M Entomology Graduate Student Organization.  
2009 Head of Seminar committee, Texas A&M Entomology Graduate Student Organization.
- 2007-2008 President, UTEP Geology Club.

Outreach

- 2005-present Contributed 839 images to Bugguide.net and provided identifications of images.
- 2016 Presentation to Navigator scouts, Chapter 35, Lexington, KY
- 2015 Display at “Insect Safari at the Arboretum: Moonlight Edition”, UK Arboretum.
- 2014 Display at “Insect Safari at the Arboretum: Moonlight Edition”, UK Arboretum.
- 2013 Volunteer for Entomological Foundation’s Austin Insect Rodeo, Austin, TX.
- 2013 Presentation at Galatas Elementary School (to 700 students), Woodlands, TX.
- 2013 Presentation to Houston high school students, TAMU.
- 2013 Volunteer at 4-H Roundup Entomology contest, TAMU.
- 2013 Presentation at Southwood Valley Elementary, College Station, TX.
- 2012 Presentation to the Texas Master Naturalists, Brazos Valley Chapter, Bryan, TX.
- 2011 Volunteer at Expanding your Horizons, TAMU.
- 2011 Presentation at Southwood Valley Elementary's, College Station, TX.
- 2010 Volunteer at Expanding your Horizons, TAMU.
- 2010 Presentation to the Texas Master Naturalists, Brazos Valley Chapter, Bryan, TX.
- 2010 Presentation at Pebble Creek Elementary School, College Station, TX.
- 2009 Presentation at Jack and Jill Preschool, Bryan, TX.

- 2008 Presentation to Undergraduate Entomology Student Organization, TAMU.
- 2006 Presentation at Socorro Elementary School, El Paso, TX.
- 2006 Display at El Paso Zoo Bugfest, El Paso, TX.
- 2006 Presentation to Pack 86, Tiger Cub Den 6, El Paso, TX.
- 2005 Presentation at Sam Snead Elementary School, El Paso, TX.
- 2005 Display at Alamo Elementary School Career Day, El Paso, TX.

Manuscript review

Arthropod-Plant Interactions, The Canadian Entomologist, Ecological Entomology, Ecology, Ecosphere, Entomological Science, Insect Science, Journal of Animal Ecology, Journal of Economic Entomology, Journal of Insect Physiology, Journal of Insect Science, Journal of Pest Science, Oikos, The Southwestern Naturalist, Plant Ecology, Psyche

Panels

- 2009-2013 Graduate student panel for New Graduate student orientation, Texas A&M Dept. of Entomology.
- 2013 Focus group member for Council of Graduate Schools study on Doctoral initiative and minority attrition and completion.

**FIELD AND MUSEUM WORK**

Curatorial experience

Personal insect collection with >30,000 specimens.  
Curating Orthoptera holdings at University of Kentucky Insect Collection. June 2015-present.  
Curated Orthoptera holdings at Texas A&M University Insect Collection. December 2013.  
Curated Orthoptera holdings at the University of Texas at El Paso. 2007-2008.  
Curated insects from Indio Mountains Research Station pitfall transects. January-May 2005.  
Curated *Dinoponera* in LA County Museum and California Academy of Sciences. May 2006.

International insect collecting expeditions

Tamaulipas, Nuevo Leon, San Luis Potosi, and Coahuila (10 days). April 2008.  
Chihuahua to Michoacán and Colima (10 days). April 2006.  
Ecuador (3 weeks). July 2005.  
Guatemala (4 weeks). July 2004.

Professional field biologist positions

MIRATEK, Fort Bliss Directorate of Environment contractor, conducted plant surveys on Doña Ana and McGregor Range. December 2007-June 2008.  
Wildlife Biology Aide, Fort Bliss Directorate of Environment. June-August 2004, June-August 2005.

Other fieldwork

Survey of orthopteroid insects on Kentucky State Nature Preserves. June 2015-present.  
Fieldwork on Balcones Canyonlands NWR and Texas Ecolab sites across Texas, 2008-2014.  
Fieldwork with ant communities in northern Argentina (17 days). January 2010.

Fieldwork with ant communities in northern Argentina (12 days). January 2009.  
Survey of ants on Trinity site and Atom site, White Sands Missile Range. October 2006.  
Fieldwork on Indio Moutains Research Station, Hudspeth Co., Texas. 2004-2008.

### **AFFILIATIONS**

The Entomological Society of America. 2006-present.

The Ecological Society of America. 2008-present.

The Orthopterists' Society. 2009-present.

UTEP Environmental Advocates. 2006-2008.

UTEP Geology Club. 2006-2008.

Society for Advancement of Chicanos and Native Americans in Science. 2006-2007.

RISE Scholars Program (Research Initiatives for Scientific Enhancement). 2004-2005.

Sigma XI, The Scientific Research Society, Associate Member. 2005-present

Boy Scouts of America. 1991-2004.