

# Curriculum Vitae

Stephanie Alexandra Dole  
(Formerly Stephanie Alexandra Stephens)

## Education

**Michigan State University:** Ph.D. Student in the Department of Entomology. Dissertation research on the systematics of tropical Xyleborini (Scolytinae) as part of the NSF PEET funded project “Monographic research of tropical bark beetles (Scolytinae: Xyleborini): Preservation and modernization of taxonomic expertise.”

**Texas A&M University:** Ph.D. student in the Department of Entomology. September 2003 - May 2006. Transferred to Michigan State University along with research laboratory.

**University of California, Davis:** Bachelor’s of Science in Entomology, June 2003. Coursework included Evolution and Ecology, Biochemistry, Genetics, General Entomology, Functional Insect Morphology, Behavioral Insect Ecology, Insect Systematics, California Insect Diversity, Aquatic Entomology, Apiculture, Forensic Entomology, Biological Control, Insect Field Taxonomy, Parasitology, and Medical Entomology.

**Solano Community College:** Associates Degree in Liberal Arts, June 2001.

## Related Employment

**Scientific Assistant:** CA Department of Food and Agriculture Plant Pest Diagnostics Laboratory. Assisted CDFA entomologists with research and general collections work. January - July 2003.

**Insect Collections Work:** Bohart Museum of Entomology, UC Davis, Lab Assistant III. Curatorial work including the pinning, labeling, shipping, and sorting of insect specimens and leading educational tours of the museum. June 2001 - January 2003 (volunteered time at Museum beginning in 1999).

**Public Outreach and Education:** Coevolution Institute, a San Francisco based nonprofit organization. Worked with the Bugmobile program bringing live arthropods and educational presentations to community events. October 2000 - April 2001.

**English Tutor:** Tutored Solano Community College students in English composition and literary analysis. January - June 2000.

**Mosquito Abatement:** Seasonal employee with the Salt Lake City Mosquito Abatement District. Inspected sites, treated for mosquitoes, maintained traps, and sorted specimens. Licensed Pesticide Applicator (UT). Summer 1998.

**Assistant Keeper:** Utah’s Hogle Zoo. Assistant keeper in butterfly exhibit and nighttime closing keeper throughout zoo. March 1997 - September 1998.

## Research Experience

**SEM Work:** Trained in the use of Scanning Electron Microscopy for arthropod imaging.

**Tropical Scolytine Collecting:** Field experience collecting tropical scolytines in Thailand (June-July 2005 and March 2006) and Ecuador (January-February 2006).

**2005-Present:** New genus description for the scolytine subtribe Bothrosternina.

**2003-Present:** Revisionary work on the bark beetle (Scolytinae) genus *Xylosandrus*.

**2003-Present:** Collaboration with Terry L. Erwin of the Smithsonian Institute surveying and estimating the bark beetle diversity of the Ecuadorian rain forest canopy. Conducted canopy fogging with Dr. Erwin at Onkone Gare, Ecuador (January – February 2006).

**2002-2003:** University of California at Davis, senior research project: surveyed the carrion-associated beetles of Central California.

**2003: Small hive beetle project** conducted literature review with original illustrations of this devastating hive pest (Nitidulidae: *Aethina tumida*).

## Publications

Stephanie A. Dole and Anthony I. Cognato (In review) A New Genus and Species of Bothrosternina (Coleoptera: Curculionidae: Scolytinae) from Ecuador. Submitted to The Coleopterists' Bulletin.

Jiri Hulcr, Stephanie A. Dole, Roger A. Beaver, and Anthony I. Cognato (In review) A cladistic review of xyleborine generic taxonomic characters (Coleoptera: Curculionidae: Scolytinae). Submitted to Systematic Entomology.

Robert J. Rabaglia, Stephanie A. Dole, and Anthony I. Cognato (2006 in Press) A Review of the Xyleborina (Coleoptera: Curculionidae: Scolytinae) in America North of Mexico, with an Illustrated Key. Annals of the Entomological Society of America.

SEM Images used in: Robert J. Rabaglia (2005) The Validity of *Xyleborus impressus* Eichhoff (Coleoptera: Curculionidae: Scolytinae) as Distinct from *Xyleborus ferrugineus* (Fabricius). Coleopterists Bulletin 59 (2).

## Web Keys

Keys to the Xyleborina of North America (<http://xyleborini.tamu.edu/keys.php>) with original light microscope and SEM images.

## Presentations & Posters

Stephens, S. A. and A. I. Cognato. 2005. A new genus of bark beetle (Curculionidae: Scolytinae:

Borthrosternina) from Ecuador. Entomological Society of America, 53rd Annual Meeting, Ft. Lauderdale, Florida.

Stephens, S. A. 2004. Bark beetle (Coleoptera: Curculionidae: Scolytinae) diversity in the Ecuadorian rain forest canopy. Texas A&M University, Department of Entomology, Seventh Annual Graduate Student Forum.

Stephens, S. A., A. I. Cognato and T.L. Erwin. 2004. Bark beetle (Coleoptera: Curculionidae: Scolytinae) diversity in the Ecuadorian rain forest canopy. National Science Foundation PEET, Fifth Biennial Conference, Urbana-Champaign, Illinois.

Stephens, S. A., A. I. Cognato and T.L. Erwin. 2004. Bark beetle (Coleoptera: Curculionidae: Scolytinae) diversity in the Ecuadorian rain forest canopy. Entomological Society of America, 52nd Annual Meeting, Salt Lake City, Utah.

## Awards

**Outstanding Graduate Student Award for Ph.D.:** 2006 Texas A&M University, Department of Entomology

**President's Prize Winner:** 2005 Entomological Society of America Annual Meeting, Section A Student Competition

**President's Prize Runner-Up:** 2004 Entomological Society of America Annual Meeting, Section A Student Competition

**Vansell Memorial Scholarship:** 2002-2003 Academic year, Dept. of Entomology, UCD.

**Harbison Award:** 2002-2003 Academic year, Dept. of Entomology, UCD.

**Teledyne Scholarship:** 2002-2003 Academic year, Dept. of Entomology, UCD.

## Teaching Experience

**Fall Semester 2005:** ENTO 489 Aquatic Bioassessment Laboratory. Lectured on aquatic insect taxonomy, organized labs, assisted on field trips, wrote and graded exams.

**Spring and Fall Semesters 2005:** ENTO 201 General Entomology Laboratory. Developed and presented lectures, conducted lab activities, wrote and graded exams for 3 sections of class.

Student evaluations available upon request.

## Leadership Experience

**TAMU Graduate Student Council:** Department of Entomology Representative 2005-2006 academic year.

**TAMU Entomology Graduate Student Organization:** Vice-President for 2005-2006 academic year and Secretary for 2004-2005 academic year.

**Sixth Annual Ecological Integration Symposium:** Co-chair, organizational committee, Texas A&M University, 2005.

**Forward Fest:** Co-organizer of community festival held in Bryan, Texas, 2005.

## Professional Memberships

Entomological Society of America, Coleopterists Society