

SARAH M. SMITH

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EDUCATION

- B.S.** 2006. Michigan State University, East Lansing, MI. Animal Science.
GPA (Cum /Maj.) 3.66/3.90
- M.S.** 2009. Michigan State University, East Lansing, MI. Entomology and Program in Evolutionary Biology and Behavior.
Revision of the genus *Camptocerus* Dejean (Coleoptera: Curculionidae: Scolytinae)
Major Advisor: Dr. Anthony I. Cognato
GPA (Grad. Cum / Maj.) 3.91/4.0
- Ph.D.** *In Progress*. Michigan State University, East Lansing, MI. Entomology and Program in Evolutionary Biology and Behavior.
Major Advisor: Dr. Anthony I. Cognato

PUBLICATIONS

- Cognato, A.I and **S.M. Smith**. Review of the Phloeotribini (Curculionidae: Scolytinae) with descriptions of new species. *Zookeys*. *In Prep*.
- Smith, S.M.** and A.I. Cognato. A Revision of *Camptocerus* Dejean (Coleoptera: Curculionidae: Scolytinae). *Insecta Mundi*. *In Prep*.
- Smith, S.M.** and A.I. Cognato. Occurrence of *Ips apache* Lanier in Panama (Coleoptera: Curculionidae: Scolytinae). *Coleopterists Bulletin*. *In Review*.
- Smith, S.M.** and A.I. Cognato. Observations of *Camptocerus* Dejean (Coleoptera: Curculionidae: Scolytini) in Peru. *Studies on Neotropical Fauna and Environment*. *In Review*.
- McCullough, D.G., T.M. Poland, D. Cappaert, E.L. Clark, I. Fraser, V. Mastro, **S. Smith**, and C. Pell. Effects of chipping, grinding and heat on survival of emerald ash borer (*Agrilus planipennis* Fairmaire) (Coleoptera: Buprestidae) in chips. *Journal of Economic Entomology* 100(4): 1304-1315.

PRESENTATIONS

- Smith, S.M.** and A.I. Cognato. (November 17 2008) Progress towards a revision of *Camptocerus* Dejean (Coleoptera: Curculionidae: Scolytinae). Talk. Entomological Society of America, Reno, NV.
- Smith, S.M.** (May 26 2008) What is so special about *Camptocerus*? CICRA Los Amigos Biological Station, Boca Amigos, Madre de Dios, Perú. Invited presentation.

- Smith, S.M.** and A.I. Cognato. (December 10 2007) A review of *Camptocerus* Dejean (Coleoptera: Curculionidae: Scolytinae). Poster. Entomological Society of America, San Diego, CA.
- Smith, S.M.**, D.G. McCullough, T.M. Poland and D. Cappaert (December 13 2006) Sex ratio of emerald ash borer (*Agrilus planipennis*) (Coleoptera: Buprestidae) adults captured on healthy and stressed ash tree from 2003 to 2006. Poster, Entomological Society of America, Indianapolis, IN.
- Smith, S.M.**, D.G. McCullough and T.M. Poland (April 7 2006) Attraction of male and female emerald ash borers to trap trees. Poster, Michigan State University Undergraduate Research and Arts Forum.

FIELD EXPERIENCE

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| Panama: Panamá and Chiriquí Provinces | Duration: 26 days, 2008 |
| Peru: Los Amigos Biological Station, Madre de Dios* | Duration: 54 days, 2008 |
| Guyana: Iwokrama Field Station, Region 8 | Duration: 9 days, 2007 |
- *denotes expedition leader

RESEARCH EXPERIENCE

- Emerald Ash Borer Rearing Coordinator, Michigan State University Forest Entomology Lab, May 2005 - August 2006.
- Independent Study in Entomology, Spring 2006. Under the supervision of Dr. Deborah G. McCullough. Research focused on the attraction of male and female emerald ash borers to trap trees.
- Emerald ash borer detection and eradication crew member. Brimley State Park, Brimley, MI, October 2005.
- Lab Associate. Michigan State University Forest Entomology Lab, May 2004 - April 2005.

TEACHING EXPERIENCE

- Teaching Assistant, North Central Plant Diagnostics bark beetle workshop, East Lansing, MI, March 3-6, 2008.
- Graduate Teaching Assistant, Integrative Studies in Biology Program, Michigan State University, Fall 2006 (Integrated Studies in Biology Laboratory).

GRANTS FUNDED

- 2008: Michigan State University Department of Entomology Hutson Travel Grant. \$400 (to ECN/ESA Annual Meeting, Reno, NV).
- 2008: Michigan State University Department of Entomology Hutson research grant. A revision of the genus *Camptocerus* Dejean (Coleoptera: Curculionidae: Scolytinae). \$800. (Panama fieldwork).
- 2008: Graduate Field Research Grant from the Amazon Conservation Association and Asociación para la Conservación de la Cuenca Amazónica at the Los Amigos Research Center and Conservation Concession, Madre de Dios, Perú. Bark beetle

- (Coleoptera: Curculionidae: Scolytinae) diversity of Peruvian forests. \$3,237
(Peru fieldwork)
- 2007: Michigan State University Department of Entomology Hutson Travel Grant. \$350
(to ECN/ESA Annual Meeting, San Diego, CA).
- 2006: Michigan State University Department of Entomology Hutson Travel Grant. \$300
(to ECN/ESA Annual Meeting, Indianapolis, IN).

AWARDS

- 2007: Presidents Prize Runner-Up: Entomological Society of America Annual Meeting,
Section A Student Poster Competition.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

- Association for Tropical Biology and Conservation (2009-present)
Coleopterists Society (2006-present)
Entomological Collections Network (2006-present)
Entomological Society of America (2006-present)
Michigan Entomological Society (2008-present)
Society of Systematic Biologists (2009-present)
Willi Hennig Society (2009-present)

FOREIGN LANGUAGE

- French (spoken and written), Spanish (basic spoken and written)

ENTOMOLOGICAL COLLECTIONS VISITED

- Albert J. Cook Arthropod Research Collection (Michigan State University), East
Lansing, MI
Biodiversity Center (University of Guyana), Georgetown, Guyana
Field Museum of Natural History, Chicago, IL
Monte L. Bean Life Science Museum (Brigham Young University), Provo, UT
Museo de Historia Natural (Universidad Nacional Mayor de San Marcos), Lima, Peru
Museum of Zoology (University of Michigan), Ann Arbor, MI
Museum National d'Histoire Naturelle, Paris, France
Smithsonian Tropical Research Institute, Panama City, Panama
United States National Museum, Washington DC