

ANDREW DERKSEN

15290 SW 104th Street
Miami, FL 33196
936-718-9118
aidersen@gmail.com

EDUCATION

University of Florida, TREC: Homestead, Florida. Master of Science. August 2009. Department of Entomology:

“Host susceptibility and population dynamics of *Scirtothrips dorsalis* Hood (Thysanoptera: Thripidae) on select ornamental hosts in southern Florida.”

Grinnell College, Grinnell, Iowa. Bachelor of Arts, May 2000.
Double Major: Biology and Anthropology

EMPLOYMENT HISTORY

Biological Scientist II: Cooperative Agricultural Pest Survey, Florida Department of Agriculture and Consumer Services. Miami, Florida. Design and implement survey programs to detect current and potential arthropod pests of significance to national and Florida agriculture at low frequencies. Present monthly and quarterly reports documenting samples identified in surveys, and coordinate with counterparts at other agencies. Develop and present educational programs to train collaborators on the life history and behavior of organisms of concern. (May '09 – Present)

Research Assistant: Mannion Lab, University of Florida. Homestead, Florida. Research project explored the impact and behavior of the invasive thrips *Scirtothrips dorsalis* on ornamental hosts in southern Florida. Identified insect specimens brought into the plant clinic. (August '06 – May '09)

Research Associate: Advanced Genetics, Lexicon Genetics. The Woodlands, Texas. Invited to join division responsible for high-throughput breeding and clinical observation of thirty plus lines of mice presenting strong phenotypes critical to Lexicon's pharmaceutical discovery program. Presented monthly comparisons of published data on select genes to Lexicon's observed phenotype for department directors. (May '03 – August '06)

Research Assistant: Chimeric Development, Lexicon Genetics. The Woodlands, Texas. Responsible for high-throughput breeding and project tracking of twenty-plus lines of knockout mice in barrier facility to confirm germline for Lexicon and clients' pharmaceutical discovery programs. BLASTed contract sequence data to prevent duplication of effort. (February '01 – May '03)

Lab Assistant: Grinnell College Plant Biology Department. Grinnell, Iowa. Tested college's new gas-analysis instrument package. Aided in the preparation and design of the lab manual for the plant physiology course. (August '98 - December '98)

Technology Assistant: Commercial Strategies and Supply Management, Marathon Oil. Ensured Marathon Oil Y2K compliance, and developed official

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compliance statement. Cooperated with corporate partners to achieve Y2K compliance, and aided in web-page design. (May '98 - August '98)

Information Technology Specialist: Information Technology Support, Marathon Oil. Maintained and repaired 450+ Macintosh and IBM-Compatible personal computers for the Exploration department with a team of twelve other specialists. Assisted in the Houston portion of the company-wide Windows NT server switchover. (May '97 - January '98)

VOLUNTEER

Surveyor: Everglades Cooperative Invasive Species Management Area. Miami, Florida. Participate in various surveys and eradication programs for non-native vertebrate and invertebrate organisms of ecological significance throughout South Florida. (November '09 – Present)

Assistant Technician: Dickinson Museum, Department of Vertebrate Paleontology. Participated in sample collection and preparation of Pliocene remains from Newberry Quarry site as part of the "Tapir Challenge". (August '06 – November '06)

Sci//Tech Judge: Montgomery Community College. The Woodlands, Texas. Judged high-school competitors' performance and technique using PCR to identify unknown sequences. (February '06)

Field Assistant: Mosquito Control, Harris County Department of Health and Environment. Houston, Texas. Collected local mosquito larvae, and began independent project to determine pesticide resistance of area salt marsh mosquito species using CDC bottle bioassay and PCR-based molecular studies. Assisted in development of PCR-based technique to amplify West Nile in avian blood sera. Results published in annual report. Learned basic insectary maintenance and species identification. Helped map responses to education programs. (October '00 - December '00)

TEACHING

Teaching Assistant: University of Florida Department of Entomology. Gainesville, Florida. ENY 3005 – Principles of Entomology. (January '07 – May '07)

Middle School Science: Assistant for special projects, Grinnell Middle School. Grinnell, Iowa. Aided gifted and talented middle-school students with higher-level biology projects. (September '99 - December '99)

AWARDS

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State Record Award: For establishing first Hemispheric record of *Cryptolestes atratulus* and *Strongylium cultellatum* (May '11); for establishing first Hemispheric record of *Nipaeococcus viridis*, and for first US Continental record of *Trichrous pilipennis* and *Mikania micrantha*. (May '10)

2008 Student and Young Professional Award: For participation in and support of the Entomological Society of America at national meeting. (January '09)

Dennis Carpenter Memorial Fellowship: To support a study observing the seasonal population dynamics and daily flight activity of the chili thrips, *Scirtothrips dorsalis* Hood, in southern Florida. (February '08)

Lexicon Award for Excellence: For designing and implementing Lexicon's cryopreservation initiative for lines no longer under investigation. (March '06)

PUBLICATIONS

NON-REFEREED

- **Griffiths, K.M.; A.I. Derksen, L. Whilby. 2010.** "2009 – 2010 Florida CAPS *Nipaeococcus viridis* Survey Report". Florida Division of Plant Industry. 2010-08-NV-01.
- **Smith, T.R.; L. Whilby, A. Derksen. 2010.** "2010 Florida CAPS Giant African Snail Survey Report". Florida Division of Plant Industry. 2010-02-GAS-01.
- **Griffiths, K.M.; A. Derksen, T. Smith. 2010.** "2009 Florida CAPS Laurel Wilt Survey Annual Report". Florida Division of Plant Industry. 2009-01-LW.
- **Derksen, A.I.; K.M. Griffiths, T. Smith. 2010.** "2009 Florida CAPS *Oxycarenum* Survey Report". Florida Division of Plant Industry. 2009-05-OH-01.
- **Derksen, A.I.; W. Dixon. 2010.** "Florida Cooperative Agricultural Pest Survey for mile-a-minute, *Mikania micrantha* Kunth, in Miami-Dade County". Tarpaper. **27(2): 4.**
- **Derksen, A.I.; W. Dixon, T. Smith. 2010.** "Second Interim Report: Florida CAPS for *Mikania micrantha* Kunth in Miami-Dade County". Florida Division of Plant Industry. 2010-02-MM-02.
- **Derksen, A.I. 2010.** "New Pest Threatens Avocados". Manatee Master Gardener Newsletter. **9(2): 3.**

PRESENTATIONS

- **Derksen, AI; D Restom-Gaskill, KM Griffiths, L Whilby. 2011.** "Region III CAPS: project updates and future concerns." Region III Workshop. August 17th, 2011. Davie, Florida.
- **Derksen, AI; KM Griffiths, L Whilby. 2011.** "Redbay Ambrosia Beetle (*Xyleborus glabratus*) and Laurel Wilt (*Raffaelea lauricola*) in South Florida." Everglades Cooperative Invasive Species Management Areas: Everglades Invasive Species Summit. July 21st, 2011. West Palm Beach, Florida.

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- **Derksen, A.I.; W. Dixon, D. Restom-Gaskill, K.M. Griffiths.** "Florida CAPS: Early Detection and Rapid Response." Miami-Dade Community College: Integrated Pest Management Seminar Series. March 16th, 2011. Miami, Florida.
- **Derksen, A.I.; K.M. Griffiths.** 2011. "*Mikania micrantha* Kunth: CAPS surveys in South Florida, 2009 – 2011." Florida CAPS annual planning meeting and workshop. January 26th, 2011. Gainesville, Florida.
- **Griffiths, K.M.; A.I. Derksen.** 2011. "*Oxycarenus hyalinipennis* (Costa 1847): 2010 Cotton Seed Bug Surveys." Florida CAPS annual planning meeting and workshop. January 26th, 2011. Gainesville, Florida.
- **Derksen, A.I.** 2010. "Trapping Initiative for the Redbay Ambrosia Beetle (*Xyleborus glabratus*) in Miami-Dade County: status update." Laurel Wilt Working Group. July 19th, 2010. Homestead, Florida.
- **Derksen, A.I.; K.M. Griffiths.** 2010. "A new invasive weed: Creeping Bittervine: *Mikania micrantha* Kunth." Miami-Dade County Natural Areas Management Planning Meeting. Miami, Florida.
- **Smith, T.; A. Derksen.** 2010. "Laurel Wilt and the Redbay Ambrosia Beetle in Florida: status update". Laurel Wilt Working Group. Fort Pierce, Florida.
- **Derksen, A.I.; K.M. Griffiths.** 2010. "A new invasive weed: Creeping Bittervine: *Mikania micrantha* Kunth." 2010 Integrated Pest management Workshop. Homestead, Florida.
- **Griffiths, K.M.; A. Derksen.** 2009. "Biology and symptoms of the redbay ambrosia beetle, *Xyleborus glabratus* Eichoff (Coleoptera: Curculionidae), and laurel wilt, *Raffaelea lauricola* sp. nov. (Ophiostomatales: Ophiostomataceae)." USDA / FDACS FFD training. Miami, Florida.
- **Derksen, A.I.** 2009. "Host susceptibility and population dynamics of *Scirtothrips dorsalis* Hood (Thysanoptera: Thripidae) on select ornamental hosts in southern Florida." TREC seminar series. Homestead, Florida.
- **Derksen, A.I.; C. Mannion, D.R. Seal, L. Osborne, and B. Schaffer.** 2008. "Annual population dynamics of *Scirtothrips dorsalis* Hood (Thysanoptera: Thripidae) on two ornamental hosts in southern Florida." Poster presentation (student competition) at the annual meeting of the Entomological Society of America. Reno, Nevada.
- **Derksen, A.I.** 2007. "Insects are everywhere!" UF Entomology Education and Outreach. Gainesville, Florida.

PHOTOGRAPHY

- **Better Homes and Gardens:** image of adult *S. dorsalis* used in Successful Rose Gardening chapter on rose diseases and pests. (*in press*)
- **Catalpha Advertising & Design:** image of adult *S. dorsalis* used in promotional materials for DM Health Systems' product that screens minute insects. (September '08)
- **Greenhouse Canada Magazine:** image of adult *S. dorsalis* used in article, "Greenhouse Grower Notes: Global ties can create a dilemma", on recently introduced invasive insects. (May '08)

MEMBERSHIPS

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PROFESSIONAL SOCIETIES

- **The American Association for the Advancement of Science:** Member (October '10 – Present).
- **The Entomological Society of America:** Member (September '06 – Present).
- **Florida Entomological Society:** Member (June '07 – January '08).

COMMITTEES

- **UF Department of Entomology and Nematology Seminar Committee:** Identified, scheduled, and invited prominent and topical speakers for diverse topics in entomology. (August '06 – May '08)
- **Environmental Health and Safety Committee:** Lexicon Genetics, Inc. The Woodlands, Texas. Met biannually to discuss Lexicon safety policy, and to offer suggestions that promoted increased employee safety and awareness. (January '04 – August '06)
- **Regional Coordinator:** Grinnell Regional Admission Support Program. Scheduled interviews between alumni volunteers and prospective students. Planned meet-and-greet events for successful candidates and current students. Represented the College at Montgomery and Harris County college fairs. (July '05 – August '06)
- **Grinnell Regional Admission Support Program (GRASP) Volunteer:** Interviewed prospective students, and represented Grinnell College at Montgomery and Harris County college fairs. (June '00 – July '05)