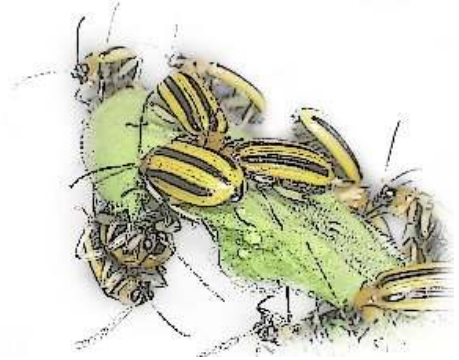


ROBERT FORREST MITCHELL

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EDUCATION

Master of Science, in progress: University of Illinois at Urbana-Champaign, Fall 2005-Present. Entomology.

Bachelor of Science: Duke University, 2005. Biology (major), Computer Science (minor).

EXPERIENCE

Biology:

Research Assistant, Duke University, Durham, NC. Lab of Dr. H. Frederik Nijhout. Continuing previous work with *M. sexta*. September 2004 - June 2005.

Undergraduate Scholar, Research Experiences for Undergraduates (REU) Program, NSF, Duke University, Durham, NC. Lab of H. F. Nijhout. Examined variation in ecdysone titers of size-selected *Manduca sexta* strains during end of 5th larval instar. June 2004 - September 2004.

Independent Study Student, Duke University, Durham, NC. Lab of Dr. Elwood Linney. Determined identity of unknown fluorescing cells in a transgenic line of the zebrafish *Danio rerio*. June 2003 - August 2003.

Work-Study Research Assistant, Duke University, Durham, NC.

Lab of H. F. Nijhout. Assisted Dr. Robert Reed in molecular projects involving the *Heliconius melpomene* butterfly. January 2004 - June 2004.

Lab of Dr. Ram Oren. Prepared and sorted plant matter for use in identifying the effects of elevated CO₂ levels on pine forest ecosystems. January 2003 - May 2003.

Lab of Dr. Daniel Lew. Various projects involving protein function in the cell cycle of the yeast *Saccharomyces cerevisiae*. August 2001 - December 2002.

Summer Research Intern, Texas A&M University Research and Extension Center, Stephenville, TX. Lab of Dr. Forrest Mitchell. Tested molecular methods for demonstrating heterogeneity in the dragonfly *Orthemis ferruginea*. June 2000 - August 2000.

Teaching:

UIUC Graduate Teaching Certificate, 2006.

Teaching Assistant, Course: Introduction to Entomology, University of Illinois at Urbana-Champaign (UIUC). August 2006 - December 2006.

Teaching Assistant, Course: Insects and People, UIUC. January 2006 - May 2006.

Teaching Assistant, Course: Animal Biology, UIUC. August 2005 - December 2005.

Computer Science:

Webmaster and Site Design, Entomology Department, University of Illinois at Urbana-Champaign (<http://www.life.uiuc.edu/entomology>). December 2005 - present.

Webmaster and Site Design, Entomology Graduate Student Association, University of Illinois at Urbana-Champaign (<http://www.life.uiuc.edu/entomology/egsa>). September 2005 - present.

Webmaster and Site Design, Course: IB 109 (Insects and People), University of Illinois at Urbana-Champaign. Spring 2005.

Webmaster and Site Design, Duke University Model United Nations. January 2002 - June 2005.

Webmaster, Duke University Arts Theme House. September 2004 - June 2005.

AFFILIATIONS

Entomological Society of America
Illinois State Academy of Science
South Carolina Entomological Society

HONORS

List of Teachers Ranked as Excellent by Their Students, University of Illinois at Urbana-Champaign (UIUC), for IB460: Introduction to Entomology, Fall 2006.

List of Teachers Ranked as Excellent by Their Students, UIUC, for IB109: Insects and People, Spring 2006.

List of Teachers Ranked as Excellent by Their Students, UIUC, for IB104: Animal Biology, Fall 2005.

REU (Research Experiences for Undergraduates) Recipient, NSF, Duke University. 2004.

Dean's List, Duke University. Fall 2003, Spring & Fall 2004, Spring 2005.

Outstanding Student Oral Presentation, Annual Meeting of the South Carolina Entomological Society, 2001.

Outstanding Oral Presentation, Zoology, Annual Meeting of the South Carolina Junior Academy of Science, 2001.

First Place for Outstanding Written Research, Mentored Zoology, Annual Meeting of the South Carolina Junior Academy of Science, 2001.

PUBLICATIONS

Mitchell, RF, and LM Hanks. 2008. Movement of a bacterial plant pathogen through the gut of its beetle vector. Transactions of the Illinois State Academy of Science 101 (Supplement): 85.

Mitchell, RF, ML Richardson, PF Reagel, and LM Hanks. 2007. Consequences of cannibalism in non-carnivorous insects. Transactions of the Illinois State Academy of Science 100 (Supplement): 72.

PRESENTATIONS

Mitchell, RF, and LM Hanks. 2008. Movement of a bacterial plant pathogen through the gut of its beetle vector. Annual Meeting of the Illinois State Academy of Science, Champaign, IL.

Mitchell, RF and LM Hanks. 2008. PCR analysis to quantify a mechanism by which a beetle species vectors a bacterial plant pathogen. North Central Branch Meeting of the Entomological Society of America. Columbus, OH.

Mitchell, RF and LM Hanks. 2007. Application of molecular techniques to characterize the

vector relationship between striped cucumber beetles and bacterial wilt of cucurbits. Annual Meeting of the Entomological Society of America. San Diego, CA.

Mitchell, RF, ML Richardson, PF Reigel, and LM Hanks. 2007. Consequences of cannibalism in non-carnivorous insects. Annual Meeting of the Illinois State Academy of Science. Springfield, IL.

Richardson, ML, PF Reigel, RF Mitchell, and LM Hanks. 2007. Impact of cannibalism on fitness and population dynamics of non-carnivorous insects. Graduate Students in Ecology and Evolutionary Biology Symposium, University of Illinois. Urbana, IL

Richardson, ML, PF Reigel, RF Mitchell, and LM Hanks. 2006. Impact of cannibalism on fitness and population dynamics of phytophagous insects. National Meeting of the Entomological Society of America. Indianapolis, IN.

Mitchell, R. F. Variability in *Orthemis ferruginea* (Odonata: Libellulidae) as measured by RAPD-PCR (Randomly Amplified Polymorphic DNA – Polymerase Chain Reaction). 2001. Annual Meeting of the South Carolina Entomological Society.

Mitchell, R. F. Variability in *Orthemis ferruginea* (Odonata: Libellulidae) as measured by RAPD-PCR (Randomly Amplified Polymorphic DNA – Polymerase Chain Reaction). 2001. Annual Meeting of the South Carolina Junior Academy of Science.