

Tyler Jay Raszick

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EDUCATION

Texas A&M University – College Station, TX Sept. 2014 – present
Degree in progress: Ph.D. in Entomology
GPA: N/A

University of Central Florida – Orlando, FL Aug. 2011 – May 2014
Degree earned: M.S. in Biology
GPA: 4.0

University of Florida – Gainesville, FL Aug. 2006 – Dec. 2010
Degrees earned: B.S. in Environmental Science, B.S. in Entomology
GPA: 3.2

GRE Scores: Verbal – 590, Quantitative – 730, Analytical – 4.5

RESEARCH EXPERIENCE

University of Central Florida – Orlando, FL Jan. 2011 – May 2014
› *M.S. Thesis: Character evolution and microbial community structure in a host-associated grasshopper*

- Extensive field work collecting grasshoppers across central United States
- Experience with high-resolution photography
- Molecular benchwork: DNA extraction, standard and multiplex PCR, and sequencing reactions
- Software familiarity: Adobe Photoshop, Genepop, Inkscape, JMP, MEGA, Microsoft Office, MrBayes, Multiplex Manager, PartitionFinder, R, RaxML, RNAfold, RNAsalsa, Sequencher, Structure, TPS, Zerene Stacker

University of Florida – Gainesville, FL July 2010 – Dec. 2010
› *Research Assistant to a study on the breeding behaviors of filth flies on small equestrian farms in Alachua County*

- Worked in the field on five different locations, and in the laboratory
- Built fly traps, enclosures, weather gauges
- Collected specimens from multiple types of traps, and replaced bait weekly
- Washed fly pupae from substrate samples and prepared them for rearing
- Identified specimens collected in field
- Gained experience working with IPM Florida

University of Florida – Gainesville, FL Aug. 2007 – Dec. 2007

- › *Research Assistant to a study on the effects of man-made, water-borne estrogens on the sexual development of local Poeciliids*
 - Worked in the field to capture wild fish for colony
 - Worked in the laboratory caring for a dozen fish tanks, performing tasks such as upkeep of the tanks and filtration system and feeding the fish
 - Used computer programs to measure gonopodia of fish

TEACHING AND MENTORSHIP EXPERIENCE

Texas A&M University – College Station, TX Sept. 2014 – present

- › *Undergraduate Mentorship*
 - Training undergraduate student on a variety of molecular techniques including DNA extraction from insects and plants, PCR, NGS, and data analysis
 - Leading fieldwork and providing guidance on experimental design for undergraduate research project

University of Central Florida – Orlando, FL Aug. 2011 – May 2014

- › *Undergraduate Mentorship*
 - Trained undergraduates on a variety of molecular techniques including DNA extraction from insects, PCR, DNA sequencing, and data analysis
 - Led undergraduates in fieldwork and provided guidance on experimental design for undergraduate research projects

University of Central Florida – Orlando, FL Aug. 2011 – May 2014

- › *Graduate Teaching Associate*
 - Responsible for 3 or more sections of Biology II Laboratories each semester
 - Prepared and presented weekly lectures, demonstrated laboratory methods, administered and graded assignments and evaluations

ORGANIZATIONAL INVOLVEMENT

University of Central Florida – Orlando, FL Aug. 2012 – July 2013

- › *Events Coordinator – Biology Graduate Student Association*
 - Heavily involved in planning and budgeting
 - Prepared event announcements using social networking media
 - Worked as part of a team to organize a conference at UCF (SEEC 2013)

University of Central Florida – Orlando, FL Aug. 2011 – July 2012

- › *Secretary – Biology Graduate Student Association*
 - Website administrator
 - Took minutes at every meeting
 - Responsible for communication between officers and members

Reitz Union Board Entertainment – Gainesville, FL April 2008 – May 2010

- › *Online Coordinator, Morale Chair*
 - Prepared event announcements using social networking media

- Participated in online communication and coordination with bands and promoters
- Managed and supervised entertainment events of 50-150 people
- Served as Master of Ceremonies for some shows

PRESENTATIONS

Entomological Society of America Annual Meeting 2013

- › Ten-Minute Paper: Microbial community structure in a host-associated grasshopper

Southeastern Ecology and Evolution Conference 2013

- › Oral Presentation: Mosaic Pattern of Character Evolution in a Polyphagous Grasshopper

Entomological Society of America Annual Meeting 2012

- › Ten-Minute Paper: Mosaic Pattern of Character Evolution in *Schistocerca lineata*

Entomological Society of America Annual Meeting 2011

- › Ten-Minute Paper: Phylogeographic Relationships of a Host-associated Grasshopper, *Schistocerca lineata*

PUBLICATIONS

Raszick, T.J. & Song, H. 2014. Mosaic evolution during incipience: Evidence from an ecologically divergent grasshopper. *J. Evolution Biol.* (in prep.)

HONORS AND AWARDS

Texas A&M College of Agricultural and Life Sciences Excellence Fellowship

- › Funding awarded to support dissertation research \$11700.00

Texas A&M Entomology Prospective Ph.D. Student Travel Award 2014

- › Funding awarded for travel to the Entomology Department of Texas A&M University for a prospective student visit \$1000.00

University of Central Florida Student Government Travel Award 2013

- › Funding awarded for travel to ESA Annual Meeting 2013 \$250.00

Southeastern Ecology and Evolution Conference 2013

- › Session Moderator and Session Judge

University of Central Florida Student Government Travel Award 2012

- › Funding awarded for travel to ESA Annual Meeting 2012 \$250.00

Orthopterist's Society Graduate Research Fund Award 2012

- › Funding awarded for molecular benchwork \$1000.00

University of Central Florida Student Government Travel Award 2011

- › Funding awarded for travel to ESA Annual Meeting 2011 \$200.00