

Conor G. Fair, PhD

Postdoctoral Research Associate
Department of Entomology
University of Georgia

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EDUCATION, RESEARCH, AND TRAINING

- 2022-Pres: **Postdoctoral Research Associate**, Dept. of Entomology, University of Georgia, Athens, GA
PI: Kris Braman
- Dec. 2021: **Ph.D.**, Entomology, University of Georgia, Athens, GA
Advisors: Joseph McHugh, and Michael Ulyshen
Dissertation Title: The effects of fire spatial characteristics on pollinators with a focus on prescribed fires in the Southeastern United States
- Dec. 2015: **M.S.**, Entomology, University of Georgia, Athens, GA
Advisor: Kris Braman
Thesis Title: Evaluation of integrated pest management tools used to control squash bugs, *Anasa tristis*, (Hemiptera: Coreidae) in squash
- May 2013: **B.A.** in Biology, Simpson College, Indianola, IA, *Magna Cum Laude*

REVIEWED PUBLICATIONS [†]Graduate Student, [‡]Undergraduate Author

4. Ulyshen MD, Hiers JK, Pokswinski SM, and **Fair CG** 2022. Pyrodiversity promotes pollinator diversity in a fire-adapted landscape. *Frontiers in Ecology and the Environment* 20: 78-83
3. **Fair CG**, Braman SK 2019. Predation of *Anasa tristis* (Hemiptera: Coreidae) by *Geocoris punctipes* (Hemiptera: Geocoridae). *Journal of Entomological Science* 54: 87-92
2. Bush BM, Ulyshen MD, **Fair CG**, and Batzer DP 2018. Assessing the effects of mesh enclosures on invertebrates and litter breakdown in a floodplain forest of the Southeastern USA. *Wetlands Ecology and Management* DOI: <https://doi.org/10.1007/s11273-018-9648-1>
1. **Fair CG**, Braman SK 2017. Assessment of habitat modification and varied planting dates to enhance potential natural enemies of *Anasa tristis* (Hemiptera: Coreidae) in squash. *Environmental Entomology* **46**: 291-298

IN REVIEW/PREP

- Braman SK, Pennisi B, **Fair CG**, Quick JC. Pollinator cultivar choice: an assessment of season-long pollinator visitation among *Coreopsis*, *Aster*, and *Salvia* cultivars. *Frontiers in Sustainable Cities* (Submitted)

INVITED PRESENTATIONS

- 2018 **Fair, CG**, Ulyshen MD, Pokswinski SM, and Hiers JK. Impacts of large prescribed burns on pollinators in the longleaf pine ecosystem. National Meeting of the Entomological Society of America, Vancouver, British Columbia. {Oral Presentation}

ACADEMIC PRESENTATIONS

- 2020 **Fair CG**, Ulyshen MD, Pokswinski SM, and Hiers JK. Effects of large-scale prescribed burns on pollinator communities in the Southeastern United States. Joint Eastern and Southeastern Branch of the Entomological Society of America, Atlanta GA. {Poster Presentation} – Conference cancelled due to COVID-19
- 2019 **Fair, CG**, Ulyshen MD, Pokswinski SM, and Hiers JK. Effects of large-scale prescribed burns on pollinator communities in the Southeastern United States. Southeastern Branch of the Entomological Society of America, Mobile AL. {Poster Presentation}

- 2018 **Fair CG**, Horn S, McHugh JV, and Ulyshen MD. Investigating the effects of Prescribed Burn Size on Pollinator Communities in the Piedmont National Wildlife Refuge. Georgia Entomological Society, Hellen, GA. {Poster Presentation}
- 2018 **Fair CG**, Horn S, Ulyshen MD. The Effects of Distance from Fire Free Refugia on Pollinator Communities in Loblolly Pine Forests. Southeastern Branch of the Entomological Society of America, Orlando FL. {Oral Presentation}
- 2016 **Fair CG**, Horn S, McHugh JV, and Ulyshen MD. Impacts of Prescribed Fires on Forest Pollinator Communities: Implications for Burn Size. International Congress of Entomology, Orlando FL. {Poster Presentation}
- 2015 **Fair CG**, Braman SK. Integrated pest management methods used to increase abundance of natural enemies of squash bugs *Anasa tristis* (DeGeer) (Hemiptera: Coreidae) in squash. National Meeting of the Entomological Society of America, Minneapolis MN. {Oral Presentation}
- 2015 **Fair CG**, Braman SK. Influence of planting date and floral resources on squash bugs, *Anasa tristis* (DeGeer). Georgia Entomological Society, Jekyll Island, GA. {Poster Presentation}
- 2015 **Fair CG**, Braman SK. Influence of planting date and floral resources on squash bugs. Southeastern Branch of the Entomological Society of America, Biloxi MS. {Oral Presentation}
- 2013 **Fair CG**, Krejsa DM, Gochenour BK, and Meyer CK. Comparing macroinvertebrate assemblages in Iowa headwater streams that differ in severity of agricultural impacts. Iowa Academy of Science, Indianola, IA. {Oral Presentation}
- 2012 **Fair CG**, Sword G, Ek-Ramos MJ, Heinz K. Can fungal endophytes be used to control ornamental insect pests? Entomological Society of American Entomology 2012, Knoxville TN. {Oral Presentation}

COLLABORATOR AND STUDENT PRESENTATIONS *Presenting Author, †Mentored Student, ‡Undergraduate Author

- 2022 *†Lauterbach A, Fair CG, †Edelkind M, Braman SK. A comparative study of bee genus diversity and abundance in urban agriculture sites versus urban ornamental sites in Athens, GA. UGA CURO Conference {Oral Presentation}
- 2021 †Ulyshen MD, Hiers JK, Pokswinski SM, Wilson AC, Ohlson GC, **Fair CG**. Effects of prescribed fire and forest age on pollinator diversity in the longleaf pine ecosystem. North American Forest Insect Work Conference {Oral Presentation}
- 2015 **Reeves S., **Fair CG**., Braman SK. Does farmscaping and planting date lower squash bug populations in squash? Young Scholar Presentation, Griffin GA. {Poster Presentation}

TEACHING EXPERIENCE

- **Advanced Quantitative Analysis** (University of Georgia, ENTO 8900) – Instructor of Record
Instruct graduate students learn about R statistical software, coding language, data visualization, statistical analysis, and experimental design using classical lectures, active learning tools, and small group discussions. Modified course to allow for optional virtual enrollment/attendance for non-traditional students and auditors.
- Fall 2022 – 1 section, 12 students
- **Insects and the Environment** (University of Georgia, ENTO 2010E) – Co-Instructor of Record
Created new online synchronous large-enrollment course introducing basic entomology concepts to undergraduate non-major students. We used classical lectures, active learning tools, and group projects to meet learning objectives. Co-taught with Postdoctoral Fellow Amanda Meier.
- Fall 2020 – 1 section, 90 students
- Spring 2021 – 1 section, 98 students
- **Insects and the Environment** (University of Georgia, ENTO 2010) – Lecture TA
Collaborated with faculty to develop and grade student assessments (quizzes and exams). Organized transition of lectures and assessments to online instruction during COVID-19 pandemic.

- Spring 2020 – 2 sections, 201 students
- **Principles of Biology Lab II** (University of Georgia, BIOL 1108) – Laboratory TA
Prepared lectures, writing assignments, and exams testing critical thinking skills involving organismal diversity and basic ecology. Guided students through inquiry-based labs, field investigations, and group research projects. Developed teaching modules to teach basic statistics to help student research projects.
- Spring 2019 – 2 sections, 48 students
- Spring 2014 – 2 sections, 48 students
- Fall 2013 – 2 sections, 48 students
- **General Entomology** (Simpson College, BIOL 245) – Laboratory TA
Aided students in learning laboratory and field skills. Organized lab materials for lectures and field trips. Facilitated peer study sessions and assisted in grading lecture and lab materials.
- Fall 2012 – 1 section, 20 students
- **Principles of Ecology** (Simpson College, BIOL 253) – Laboratory TA
Aided students in learning laboratory and field skills. Organized lab materials for lectures and field trips. Facilitated peer study sessions and assisted in grading lecture and lab materials.
- Fall 2011 – 1 section, 18 students

GUEST LECTURES

2020

- Diptera and Hymenoptera Biodiversity
 - Insects and the Environment (ENTO 2010), University of Georgia, Department of Entomology

2019

- Hymenoptera Anatomy, Morphology, and Classification
 - Insect Taxonomy (ENTO 8010), University of Georgia, Department of Entomology

2018

- Hymenoptera Anatomy, Morphology, and Classification
 - Insect Taxonomy (ENTO 8010), University of Georgia, Department of Entomology

STUDENTS MENTORED – (THEIR CURRENT POSITION)

- Abigail Lauterbach (current student)
- Sara Reeves (Ag Education – High School Teacher)
- Elizabeth Tepe (Nursing Student at Emory University)

OUTREACH AND EXTENSION

Mar. 2022	Green County Primary School Native Pollinator Outreach – University of Georgia
Jan. 2022	UGA Extension Pollinator and Beneficial Insect Course – University of Georgia
Jan. 2020	UGA CAES Orientation 2.0 – H.O. Lund Club
Oct. 2019	UGA Cattlemen Assoc. Halloween Havoc – H.O. Lund Club
Sep. 2019	Insectival – H.O. Lund Club
May 2018	Pollinator Outreach Presentation – University of Georgia
July 2013	Outreach & Extension Coordinator – DOW Chemical

UNIVERSITY AND PROFESSIONAL SERVICE

March 2020	Organized symposium titled, “Getting there from here: paths less traveled to, through, and beyond graduate studies”, Joint Eastern and SE Branch of ESA – Cancelled due to COVID-19
2019 – 2020	Chair of Student Affairs Committee, SE Branch of ESA
March 2019	Organized symposium on mosquito biology, SE Branch of ESA, Mobile AL

2018 – 2019 Student Representative for the Student Affairs Committee, SE Branch of ESA
March 2018 Organized symposium on pollinator management, SE Branch of ESA, Orlando FL
2017 – 2018 Treasurer of the H.O. Lund Club, University of Georgia, Department of Entomology
2015 – 2016 President of the H.O. Lund Club, University of Georgia, Department of Entomology
2014 – 2015 Vice President of the H.O. Lund Club, University of Georgia, Department of Entomology

HONORS AND AWARDS

2019 Herbert H. Ross Memorial Scholarship, University of Georgia, Athens, Ga
2019 Sparks Outstanding PhD. Student Achievement in Outreach, University of Georgia
2019 Outstanding Teaching Assistant Award, University of Georgia
2018 Outstanding PhD. Student, Georgia Entomological Society, Hellen, GA
2018 U.E. Brady Award (1st Place in Poster Competition) Georgia Entomological Society, Hellen, GA
2018 2nd place in the Linnaean games, Southeastern Branch of ESA, Orlando, FL
2018 1st place in Student Poster Competition, Lund Week, Athens, GA
2017 1st place in Three Minute Thesis Competition, Lund Week, Athens, GA
2016 1st place in Student Poster Competition, International Congress of Entomology, Orlando, FL
2013 Hiram Doty Research Award in Biology and Environmental Sciences, Simpson College
2013 2nd place in Student Oral Competition Iowa Academy of Science, Indianola, IA
2009 Boy Scouts of America: Eagle Scout Rank

PROFESSIONAL DEVELOPMENT

2022 Workshop: professional development – finding your purpose statement, Athens GA
2017 American Museum of Natural History Bee Course, SW Research Station, Portal AZ

PROFESSIONAL MEMBERSHIPS

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| • Entomological Society of America | • Georgia Entomological Society |
| • Southeast Branch of ESA | • Beta Beta Beta Biological Honor Society |

SKILLS

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| • Insect Curation and Identification | • ArcGIS for Map Creation and Spatial Statistics |
| • Insect and Host Plant Rearing and Husbandry | • Field Sampling Methods for terrestrial and aquatic Invertebrates and Plants |
| • Anthophila and Papilionoidea Species Identification | • Electronic Survey (e.g., Qualtrics) Methods |
| • R for Statistics and Data Visualization | |

REFERENCES

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