

IAN N. BIAZZO

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EDUCATION

- 2015 – Current PhD: **University of Central Florida (UCF)**, Orlando, FL
Department of Biology, Conservation Biology
- 2008 – 2012 B.Sc. **Rutgers University**, Newark, NJ
Magna Cum Laude, Majors: 1) Biological Sciences 2) Mathematics

SCHOLARSHIP AND GRANTS

- 2019- Current **Joint Fire Science Program GRIN Grant** (\$10,779 + \$3,277 in UCF matched support)
- 2019- Current **College of Sciences Doctoral Research Support Award** – UCF (\$5,000)
- 2020-2021 **LEARN Graduate Student Mentor Program** – UCF (\$350)
- 2019-2020 **LEARN Graduate Student Mentor Program** – UCF (\$350)
- 2020 **Department of Biology Travel Grant** – UCF (\$250)
- 2019 **Department of Biology Travel Grant** – UCF (\$250)
- 2015-19 **Trustees Doctoral Fellowship** – UCF (\$100,000)

HONORS AND AWARDS

- 2022 **Order of Pegasus** – UCF
- 2019 **3 Minute Thesis Presentation, Finalist** – UCF
- 2014 **Firefighter of the Year** – Jackson Volunteer Fire Co. #1 Station 55
- 2013 **Milan Spike Baran Award, 1st in Class Firefighter** – Toms River Fire Academy
- 2010 **Golden Key International Honour Society, President** – Rutgers University
- 2008-2012 **Provost Scholarship** – Rutgers University

PUBLICATION

Biazzo, I.N. & Quintana-Ascencio, P.F. 2022. Canopies, the Final Frog-tier: Exploring responses of a specialist treefrog to prescribed fire in a pyrogenic ecosystem *Resubmitted to Fire Ecology*

Biazzo, I.N., Fedorka, K.M., Schneider, K.R., & Teter, K. 2022. Building Research Communities for Life Science Transfer Students: Improving Retention and Student Outcomes. *In Review at Journal of College Science Teaching*

Biazzo, Ian. "Tales of Sunshine: Florida EcoStories - The Biologist." Director/Producer: Vince Marcucci. December 2021, Florida Film Festival April 2022, Sunscreen Film Festival May 2022.

Quintana-Ascencio, P.F. & **Biazzo, I.N.** 2019. Ecological terms strongly impact research and its implications. *Bioscience* 69: 769-770.

PRESENTATION

I. Biazzo. "Impacts of Prescribed Fires on Central Florida Treefrogs." Invited Presentation for the Tarflower Chapter, Florida Native Plant Society, Orlando, FL. 2 August 2022.

I. Biazzo, P.F Quintana-Ascencio. "Canopies, the Final Frog-tier: Exploring the impacts of prescribed fire on a specialist treefrog in a pyrogenic ecosystem." UCF Student Scholar Symposium. 31 Mar 2022. Orlando, FL.

I. Biazzo, P.F Quintana-Ascencio. "Canopies, the Final Frog-tier: Exploring the impacts of prescribed fire on a specialist treefrog in a pyrogenic ecosystem." 9th International Fire Ecology and Management Congress. 30 Nov – 3 Dec 2021. Virtual.

K.R. Schneider, **I. Biazzo**, K.M. Fedorka, K. Teter, R. Luther, J. Snyder, and D. Tenery. "Scaffolding Research Engagement: Models to Support Transfer Students through NSF S-STEM" Florida Statewide Symposium. 22-23 Oct 2021. Gainesville, FL.

Ian Biazzo, Ken Fedorka, Kimberly Schneider, Ken Teter. "Research Communities for Life Science Transfer Students: Improving Retention and Student Outcomes" American Society for Microbiology Conference for Undergraduate Educators (ASMCUE). 29 June - 1 July 2021. Virtual

I. Biazzo. "Impacts of Prescribed Fires on Central Florida Treefrogs." Invited Presentation at The Nature Conservancy, The Disney Wilderness Preserve. 3 June 2021. Virtual.

TEACHING EXPERIENCE

Transfer-student Research & Integration Program (TRIP) – Graduate Teaching Asst. (2018 – 22)
Mentor and teach in a National Science Foundation sponsored program that provides STEM transfer students with faculty-supervised research and professional development.

Lead Math Instructor, Orlando Union Rescue Mission (2021-Current)
Create and teach math lessons to adults experiencing homelessness earn their high school GED.

Ecology Lab, Dept. of Biology, UCF – Instructor (Spring 2021)
Present undergraduates with foundational ecology concepts, field research methods, experimental design, and data analyses; graded and reviewed all assignments.

Urban Ecology, Dept. of Biology, UCF – Guest Statistics Instructor (2019, 2020, 2021, 2022)
Presented undergraduates with introductory conceptual frameworks and methods in experimental design for field-based ecological research. Provided statistics support for their project development and analysis.

Outdoor Adventure Training Sessions – Student Supervisor, Head Leader, & Instructor (2016 – 18)
Taught and created experiential learning workshops through the Outdoor Adventure Center at the UCF. Topics covered in these training workshops included wildlife identification, risk awareness, orienteering, debriefing techniques, and on-water canoe rescue.

Northeast Reptile & Amphibian Field Ecology, NJ School of Conservation – Asst. Instr. (2015 – 17)
Co-led two-week immersive New Jersey field courses on methods in ecological field research and natural history, with specific attention given to reptiles and amphibians of the Northeast.

Math Instructor and Tutor – Head Instructor, Mathnasium (2011 – 15)
Designed learning-based strategies and developed specialized lesson plans for K-adult students.

SELECTED SYNERGISTIC ACTIVITIES

President's Student Advisory Council, UCF (2021-2022)
Collaborate with student leaders and UCF's president to identify key diversity, equity, and inclusion issues and develop actionable plans to resolve them.

Graduate Student Advisory Council, UCF (2021-2022)

Collaborate with campus graduate administration and students to identify key systematic DEI and logistic graduate student issues and develop actionable plans to resolve them.

DEI Representative, Biology Department, UCF (2021-Current)

Propose and organize efforts to increase DEI initiatives in biological sciences in and off campus.

Project Coordinator, The Nature Conservancy (TNC) Herpetology BioBlitz (2021-Current)

Organized and served as primary expert for herpetological surveys on two FL TNC preserves.

Youth Program Tutor, Coalition for the Homeless of Central Florida (2021)

Assist youth experiencing homelessness with homework and other academic tasks.

Inclusion Champion Program, UCF (2020)

Completed 15-hour interactive certification program on diversity, equity, and inclusion.

STEM Alliance Mentor Program, UCF (2019 – Current)

Mentored undergraduate STEM students in the LGBTQ+ community.

Wildland Firefighting and Prescription Burning (2017 – Current)

Volunteered on five burn crews with multiple agencies across central Florida, including the Florida State Parks, The Nature Conservancy, and the University of Central Florida.

Presenter, Florida Leadership Outdoor Recreation Association (2018, 2019)

2018 - Co-presented a talk titled “There’s NO Hiking in Florida, Right?!” which focused on the misconceptions regarding outdoor recreation in Florida.

2019 - Presented on “Venomous Snakes” for Florida outdoor recreation awareness, including identification, natural history, bite prevention, and pre-hospital treatment best practices

Birding Activity Leader, Florida Leadership Outdoor Recreation Association (2018, 2019)

Led a bird watching and flora walk for conference attendees, focusing on wildlife encountered and characteristic plants of central Florida.

Mentor Officer, The Biology Graduate Student Association at UCF (2017 – 18)

Coordinated the pairing of new biology graduate students with more experienced biology students to ensure that the new students could transition more successfully into their academic positions.

Tutor, Children Within Our Borders (2017 – 18)

Volunteered to tutor groups of at-risk elementary and middle-school children once a week.

Executive Officer, The Geospatial Information Society at UCF (2016 – 17)

Served as Secretary (Fall 2016) and President (Spring 2017). Prepared and maintained meeting presentations and membership information. Organized an ArcMap workshop for membership.

Firefighter & Secretary, The Jackson Township Volunteer Fire Company #1 Station 55 (2012 – 15)

Trained in structural firefighting including fire suppression, motor vehicle accident response, operations-level HAZMAT procedures, and other emergency responses. Executed normal secretary duties (2014-15) such as keeping meeting minutes, maintaining correspondences, planning training, and organizing company files. Completely restructured the role and scope of the position by instituting improved organization techniques and creating accountability systems. Assisted in discipline management and guidelines.

SCIENTIFIC SOCIETY MEMBERSHIPS

Southeastern Cave Conservancy, Inc (2017 – Current)
Association of Fire Ecology (2021 – Current)

CERTIFICATIONS AND OTHER SKILLS

Wilderness First Responder (NOLS)	Violence Prevention Certificate (UCF)
Structural Firefighter (< ICS 300)	Green Dot Bystander Intervention (UCF)
Wildland Firefighter	Safe Zone Advocate Certificate (UCF)
Instructor CPR, First Aid, AED (Red Cross)	Inclusion Champion (UCF)
Rescue SCUBA Diver (PADI)	Wildlife Identification