

Michelle A. Ziadie

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Education

PH.D. Candidate, Department of Genetics University of Georgia, Athens GA, USA	May 2020
B.S., Biology University of South Florida, Tampa FL, USA	May 2014
A.A., Art and Art Education Miami-Dade College, Miami FL, USA	May 2010

Research Experience

Dissertation Research, Evolutionary Genetics <i>Social immunity in the evolution of parental care</i> University of Georgia, Athens GA, USA Advisor: Dr. Allen Moore	2015–present
Dissertation Research, Evolution Education <i>Pedagogical Content Knowledge in evolution education</i> University of Georgia, Athens GA, USA Advisor: Dr. Tessa Andrews	2015–present
Post-Baccalaureate Research <i>Heritability of stress-induced epimutation in A. thaliana</i> University of South Florida, Tampa FL, USA Advisor: Dr. Christina Richards	2014–2015
Undergraduate Research <i>Differential gene expression in response to oil stress</i> University of South Florida, Tampa FL, USA Advisor: Dr. Christina Richards	2013–2014

Honors and Awards

Professional Honors:

- P.E.O International Scholar Nominee (Athens Chapter) 2018

Awards:

- University of Georgia Office of Research Foreign Travel Award (\$1,536) 2018
- University of Georgia Graduate School Travel Award (\$250) 2015

Publications

Ziadie, M. A., Andrews, T. C. Don't reinvent the wheel: Capitalizing on what others already know about teaching topics in evolution. *American Biology Teacher (In Press)*

Ziadie, M. A., F. Ebot-Ojong, E. C. McKinney, A. J. Moore. (2019) The evolution of personal and social immunity in the context of parental care. *American Naturalist*, 193(2).

Ziadie, M. A., Andrews, T. C. (2018) Moving evolution education forward: a systematic analysis of literature to identify gaps in collective knowledge for teaching. *CBE-Life Sciences Education*, 17(1).

Research Support

Awarded:

- National Science Foundation, Graduate Research Fellowship (\$138,000) 2016

In Review:

- AAUW American Dissertation Fellowship (\$20,000) 2018

- P.E.O. International Scholar Award (\$15,000) 2018

Teaching and Mentorship

Teaching

- Genetics (GENE 3200) Teaching Assistant (UGA, Athens GA) 2019

Mentorship

- Undergraduate Research Training (LSAMP), Felicia Ebot-Ojong (UGA, Moore Lab) 2017-present
- Supervised Grant Writing of NSF GRFP, Zachary Sanchez (UGA, Moore Lab) 2018
- Undergraduate Volunteer Research Training, Shyam Vyas (UGA, Moore Lab) 2017
- Undergraduate Volunteer Research Training, Nnaji Emetu (UGA, Andrews Lab) 2017
- Undergraduate Volunteer Research Training, Dustin Dial (UGA, Andrews Lab) 2017
- Supervised Grant Writing of NSF GRFP (Awarded), Nathalie Thezan (UGA, PREP Scholar) 2016
- Undergraduate Research Training (CURO), Raheela Charania (UGA, Andrews Lab) 2016-2017
- Undergraduate Volunteer Research Training, Chiamaka Ohanu (UGA, Moore Lab) 2016-2017
- Undergraduate Volunteer Research Training, Jeanie Mounger (USF, Richards Lab) 2014-2015

Academic Presentations

Talks and Seminars:

- "The evolution of personal and social immunity in the context of parental care." 2018
Southeastern Ecology and Evolution Conference (SEEC), Miami FL, USA
- "What do we really know about undergraduate evolution education? A systematic analysis of collective knowledge." 2017
Society for the Advancement of Biology Education Research (SABER), Twin Cities MN, USA
- "What do we really know about undergraduate evolution education? A systematic analysis of collective knowledge." 2017
Enthusiasts of Diversity, Genetics and Evolution (EDGE) meeting, Athens GA, USA

Poster Presentations:

- "Moving evolution education forward: Identifying and capitalizing on collective wisdom" 2018
Evolution 2018, Montpellier, France
- "Parenting and Pathogens in *Nicrophorus vespilloides*." 2016
Evolution 2016, Austin TX, USA

Science Communication

Leadership and Training

- Athens Science Observer, Editor-In-Chief 2019-present
- ASO Workshop: Writing Concisely (Workshop Leader) 2018
UGA, Athens GA, USA
- ASO Workshop: Knowing Your Audience (Workshop Leader) 2018
UGA, Athens GA, USA
- Athens Science Observer, Associate Editor 2017-2018
- Athens Science Observer, Writer 2016-present

Non-academic Scientific Publications

Ziadie, M. (2018, August 1). Fatal Attraction: The truth behind mosquito bite preference [Blog post].
<https://athensscienceobserver.com/2018/08/01/fatal-attraction-the-truth-behind-mosquito-bite-preference/>

Ziadie, M. (2017, September 22). My boyfriend might be a psychopath [Blog post].
<https://athensscienceobserver.com/2017/09/22/my-boyfriend-might-be-a-psychopath/>

Ziadie, M. (2016, December 31). New year, new you... again [Blog post].
<https://athensscienceobserver.com/2016/12/31/new-year-new-you-again/>

Ziadie, M. (2016, October 23). But first, a nap [Blog post].
<https://athensscienceobserver.com/2016/10/23/but-first-a-nap/>

Ziadie, M. (2016, July 27). Drug bugs could replace sniffer dogs in the detection of illegal drugs [Blog post]. <https://athensscienceobserver.com/2016/07/27/drug-bugs-could-replace-sniffer-dogs-in-the-detection-of-illegal-drugs/>

Ziadie, M. (2016, July 3). You used to call me on my cell phone... [Blog post]. <https://athensscienceobserver.com/2016/07/03/you-used-to-call-me-on-my-cell-phone/>

Ziadie, M. (2016, April 28). Open arm and stocked fridge: The evolutionary strength of grandmothers [Blog post]. <https://athensscienceobserver.com/2016/04/28/open-arms-and-stocked-fridge-the-evolutionary-strength-of-grandmothers/>

Science Outreach and Service

Outreach

- Communicating Research to the Public Workshop, Invited guest speaker 2018
Hosted by UGA GS Lead, Athens GA, USA
- Georgia Science and Engineering Fair, Special Judge and Presenter of UGA Genetics Graduate Student Association Excellence in Genetics Awards 2018
Athens Classic Center, Athens GA, USA

Academic Service

- UGA Genetics Graduate Student Association, Secretary 2017-2018
- UGA Genetics Travel Award, Judge 2016-2017

Professional Development

Workshops:

- "Do my students get it? Integrating Formative Assessment into Teaching Practice" (Attendee) 2018
UGA Center for Teaching and Learning, Athens GA, USA
- UGA STEM Institute on Teaching and Learning (Attendee) 2016
UGA Center for Continuing Education, Athens GA, USA