

Michelle A. Ziadie

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Education

PH.D. Candidate, Department of Genetics University of Georgia, Athens GA, USA	Present
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
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Dissertation Research, Evolution Education <i>Pedagogical Content Knowledge in evolution education</i> University of Georgia, Athens GA, USA Advisor: Dr. Tessa Andrews	2015–present
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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
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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
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Publications

Ziadie, M. A., F. Ebot-Ojong, E. C. McKinney, A. J. Moore. (*In Prep*) Effects of brood size on social immunity.

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. (2019). Don't Reinvent the Wheel: Capitalizing on What Others Already Know about Teaching Topics in Evolution. *The American Biology Teacher*, 81(2), 133-136.

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:

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| • National Science Foundation, Graduate Research Fellowship (\$138,000) | 2016 |
| • Linton and June Bishop Fellowship (\$1,000) | 2019 |

Honors and Awards

Professional Honors:

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| • P.E.O International Scholar Nominee (Athens Chapter) | 2018 |
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Awards:

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| • University of Georgia Office of Research Foreign Travel Award (\$1,656) | 2019 |
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- University of Georgia Office of Research Foreign Travel Award (\$1,536) 2018
- University of Georgia Graduate School Travel Award (\$250) 2015

Academic Presentations

Talks and Seminars:

- "Social immunity in the context of parental care." 2019
Invited guest lecture, University of Edinburgh, Edinburgh, Scotland
- "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:

- "Social immunity in family life" 2019
European Society for Evolutionary Biology (ESEB) meeting, Turku, Finland
- "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

Teaching and Mentorship

Teaching

- Evolutionary Biology Laboratory (GENE 4320L) Teaching Assistant (UGA, Athens GA) 2019
- Genetics (GENE 3200) Teaching Assistant (UGA, Athens GA) 2019

Mentorship

- Undergraduate Research Training (LSAMP), Felicia Ebot-Ojong (UGA, Moore Lab) 2017-2019
- 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

Science Communication

Leadership and Training

- Athens Science Observer, Editor-In-Chief 2019-present
- WUGA Classic City Science, Podcast Intro Writer 2018-2019
- 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 (ASO), Associate Editor 2017-2018
- Athens Science Observer (ASO), 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

Other Professional Development

Workshops:

- EUSEA European Science Engagement Conference 2019
Vienna BioCenter, Vienna, Austria
- Do my students get it? Integrating Formative Assessment into Teaching Practice" 2018
UGA Center for Teaching and Learning, Athens GA, USA
- UGA STEM Institute on Teaching and Learning 2016
UGA Center for Continuing Education, Athens GA, USA