

SARIN (PUTTER) TIATRAGUL

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EDUCATION

- 2019-current • **The Australian National University**
PhD - Ecology & Evolution  Canberra, ACT, Australia
- 2017-2018 • **Auburn University**
M.S. in Biological Science  Auburn, AL, USA
- 2012-2016 • **Gonzaga University**
B.S in Biology  Spokane, WA, USA

PEER-REVIEWED PUBLICATIONS

- **Tiatragul S**, Hall JM, Pavlik NG, & Warner DA. **2019**. Lizard nest environments differ between suburban and forest habitats. *Biological Journal of the Linnean Society*. 126: 392-403
- **Tiatragul S**, Kurniawan A, Kolbe JJ, & Warner DA. **2017**. Embryos of non-native anoles are robust to urban thermal environments. *Journal of Thermal Biology*. 65:119-124

EDITOR-REVIEWED DIGESTS / NOTES / ARTICLES

- **Tiatragul S. 2017**. The Flattened Musk Turtle. Encyclopedia of Alabama. encyclopediaofalabama.org/article/h-3969
- **Tiatragul S. 2017**. Woodpeckers of Alabama. Encyclopedia of Alabama. encyclopediaofalabama.org/article/h-3988
- **Tiatragul S**, and Pruett, JE. **2017**. Digest: Stabilizing selection on an animal weapon in a wild population. *Evolution*. 71:2750-5751
- **Tiatragul S**, Murali, G. & Stroud JT. **2017**. Digest: Different evolutionary dynamics led to the convergence of clinging performance in lizard toepads. *Evolution*. 71:2537-2538

RESEARCH EXPERIENCES

- 2017 | 2018 • **Graduate Research Assistant**
Auburn University  Auburn, AL, USA
 - Searched urban green spaces in Miami and found 50+ anole nest sites.
 - Recorded and analysed 10,000+ observations of temperature and moisture for over 100 plots searched.
 - Wrote lab protocol for constructing and implementing incubation temperature programs with Memmert IPP550 incubators.
- 2015 • **Undergraduate Research Assistant**
University of Alabama-Birmingham  Birmingham, AL, USA
 - Tested the effect of incubation conditions on survival and hatchling phenotypes of anole populations from urban and forested sites. Cared for 50 lizard captive breeding colony.
 - Analysed data and prepared manuscript (Tiatragul et al. 2017).
- **Undergraduate Research Assistant**
Gonzaga University  Spokane, WA, USA
 - Collected male fiddler crabs (*Uca* spp.) from Samut Songkram in Thailand.
 - Measured claw morphology using imageJ resulting in 100+ observations.
 - Analysed patterns of evolution in claw morphology across different clades in the *Uca* genus.



PRESENTATIONS

- 2019 ● **How city lizards beat the Miami heat**
EEB Behavior group, University of Minnesota Twin Cities [Invited Talk] 📍 St. Paul, MN, USA
- 2019 ● **A shady way to beat the city heat: maternal nesting behavior in lizards enhances survival in urban environments**
Biology Seminar, Gonzaga University [Invited Talk] 📍 Spokane, WA, USA
- 2018 ● **Where urban dwelling lizards choose to nest may help their babies beat the city heat**
This is Research Student Symposium, Auburn University [Talk] 📍 Auburn, AL, USA
- 2018 ● **A shady way to beat the Miami Heat**
Anolis Symposium 2018 [Talk] 📍 Miami, FL, USA
- 2018 ● **Invasive city anoles select cool nest sites to nest**
Annual Southeast Partners in Amphibian and Reptile Conservation Meeting [Speed Talk] 📍 Helen, GA, USA
- 2018 ● **Nest-site selection in urban dwelling anoles could help embryos beat the heat**
Society of Integrative and Comparative Biology [Talk] 📍 San Francisco, CA, USA
- 2017 ● **Embryos of anoles are robust to urban thermal environments**
Society of Integrative and Comparative Biology [Poster] 📍 New Orleans, LA, USA
- 2016 ● **Anolis metropólis: do urban thermal environments affect the hatchling phenotype and embryonic development of invasive anole lizards?**
World Congress of Herpetology 8 [Poster] 📍 Hangzhou, China



SCHOLARSHIPS AND FUNDING AWARDED

- 2019-2022 ● **Australian Government Research Training Program**
Full tuition and stipend while studying at the Australian National University
- 2018 ● **Society of Integrative and Comparative Biology Grant-in-Aid of Research Award**
USD 1,000
- 2015 ● **Gonzaga Off-Campus Research Experience Program to Warner Lab at UAB**
USD 4,400
- 2014 ● **St. Francis Assistantship for Summer Research (Gonzaga University)**
USD 4,400
- 2012-2016 ● **Gonzaga University Ignatian Leadership Scholarship**
USD 20,000
- 2012-2016 ● **Gonzaga University College of Arts & Science Dean's Scholarship**
USD 46,000



HONOURS AND AWARDS

- 2019 ● **Auburn University's Outstanding Master's Award 2018-2019 | Auburn University**
Top 20 of Auburn University's most outstanding graduate students
- 2018 ● **College of Sciences and Mathematics Best Oral Presentation | Auburn University**
Awarded to the best oral presentation at the *This is Research* Student Symposium 2018
- 2016 ● **The Carl J. Lindberg Loyalty Award | Gonzaga University**
For conspicuous loyalty and service to the University.
- 2016 ● **Robert D. Prusch Award | Gonzaga University**
Given to a senior Biology major in recognition of a history of distinguished service to the Biology Department.



TEACHING EXPERIENCES

2019



Diversity of Life Lab

Demonstrator in introductory lab courses at The Australian National University. Support instructor in guiding students through lab activities and mark assessments.

📍 Canberra, ACT, Australia

2018



Human Anatomy and Physiology Lab

Graduate teaching assistant for three lab sections (~65 students total) of BIOL2500 course at Auburn University (Fall semester). Guided students through animal dissections, prepared weekly quizzes, set up lab practicals, and marked students assessments.

📍 Auburn, AL, USA

2017



Comparative Anatomy Lab

Graduate teaching assistant for three lab sections (~75 students total) of BIOL3010 course at Auburn University (Spring semester). Guided students through dissections of vertebrates and invertebrates. Set up lab practicals and marked students assessments.

📍 Auburn, AL, USA

2014



Physiology and Diversity Lab

Undergraduate teaching assistant for one lab section (15 students) of BIOL205 course at Gonzaga University (Fall semester). Assisted main instructor by marking assessments and demonstrating lab techniques.

📍 Spokane, WA, USA



SERVICES AND OUTREACH

2018



Morning Talk! Coordinator

Biological Sciences Graduate Student Association at Auburn University

📍 Auburn, AL, uSA

- Planned weekly student-led seminar for 110+ graduate students in the Biological Sciences Department.
- Administrated a participation points system that resulted in consistent 12+ participants weekly.

- Incentivised student to share research resulting in 20+ student practice presentations over the course of 8 months

2018



AU Museum of Natural History Open House

Volunteered to guide tours around the AU Museum of Natural History.

📍 Auburn, AL, USA

2018



SOUTH BEST Robotics Competition

Volunteered to judge the SOUTH BEST High School Robotics competition hosted by Auburn University. 📍 Auburn, AL, USA

- Assessed business presentations by each team
- Scored team spirit scores during robotics competition

2015-2016



Dhammada: Weekly student-led meditation program

Started an on-going weekly meditation program in collaboration with Gonzaga University Ministry.

📍 Spokane, WA, USA

- Taught and led 10 participants weekly 1-hour Buddhist mindfulness meditation sessions.