

Louis T Bubrig

2333 Science and Engineering Complex
Department of Biological Sciences
The University of Alabama
Tuscaloosa, AL 35401
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EDUCATION

| | | |
|--|--------------|------------------------|
| Ph.D. Biological Sciences | 2020-current | University of Virginia |
| Committee: Dr. Amanda Gibson (Advisor) | | |
| M.S. Biological Sciences | 2018-2020 | University of Alabama |
| Committee: Dr. Janna Fierst (Advisor) Dr. Jason Pienaar Dr. Amanda Gibson Dr. Levi Morran | | |
| B.S. Biological Sciences | 2015-2019 | University of Alabama |
| <i>Summa cum laude</i> | | |

ACADEMIC POSITIONS

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| 2020-current | Graduate Researcher, Department of Biology, University of Virginia. Advisor: Dr. Amanda Gibson |
| 2018-2020 | Graduate Researcher, Department of Biological Sciences, University of Alabama. Advisor: Dr. Janna Fierst |
| 2018 | Research Experiences for Undergraduates Program, Mountain Lake Biological Station, University of Virginia. Advisor: Dr. Elizabeth Ostrowski |
| 2015-2019 | Undergraduate Researcher, Department of Biological Sciences, University of Alabama. Advisor: Dr. Janna Fierst |

FUNDING AND SCHOLARSHIPS

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| 2019 | \$65: American Society of Naturalists (ASN) Travel Award to SEPEEG 2019 in Clemson, South Carolina |
| 2019 | \$500: Society for the Study of Evolution (SSE) Travel Award to the Evolutionary Biology Graduate Student Workshop at Mountain Lake Biological Station |

- 2019 \$600: Department of Biological Sciences, University of Alabama, for travel to Evolution 2019 joint conference in Providence, Rhode Island
- 2019 \$500: Society for the Study of Evolution (SSE) Travel Award to Evolution 2019 joint conference in Providence, Rhode Island
- 2019-2020 \$59,923: University of Alabama Graduate Council Fellowship
- 2018 \$100: University of Alabama BioFest Runner Up Travel Funding
- 2015-2019 \$133,000: University of Alabama National Merit Finalist Scholarship

HONORS AND AWARDS

- 2018 University of Alabama BioFest Runner Up
- 2015-2019 University of Alabama President's List (GPA = 4.00)

PUBLICATIONS

2020 **Bubrig, L.T.**, J.M. Sutton, J.L. Fierst. *Caenorhabditis elegans* dauers vary recovery in response to bacteria from natural habitat. *In review*. BioRxiv:
<https://biorxiv.org/cgi/content/short/2020.04.01.020693v1>

2020 **Bubrig, L.T.**, P.E. Adams, J.L. Fierst. Genome Evolution: On the Road to Parasitism. *Current Biology*. 30-6: R272-R274.

2020 Anderson, A.G., **L.T. Bubrig**, J.L. Fierst. Environmental stress and the maintenance of trioecy in nematode worms. *Evolution* 74-3: 518-527.

TALKS

- 2020 “*C. elegans* dauer recovery.” Evolutionary Biology of *Caenorhabditis* and other nematodes
- 2019 “Are worms at the mercy of their snails?” Three Minute Thesis, Department of Biological Sciences, The University of Alabama
- 2019 “Modeling three sexes in a rare mating system.” SEPEEG, Clemson University

POSTER PRESENTATIONS

- 2019 “Nematode uses three sexes in rare mating system.” BioFest, The University of Alabama

- 2019 “Fluctuating environmental stress and the maintenance of trioecy in nematodes.”
Evolution 2019, Providence, Rhode Island
- 2018 “The Nasty Neighbor: *D. discoideum* mix performance linked to geography.”
SEPEEG, Mountain Lake Biological Station, University of Virginia
- 2018 “The Nasty Neighbor: *D. discoideum* mix performance linked to geography.”
BioFest, The University of Alabama

WORKSHOPS AND TRAINING

- 2020 Miscellaneous science and professional development readings:
<https://www.goodreads.com/review/list/88617323-louis-bubrig?shelf=science-books>
- 2020 Writing in the Sciences online course, Stanford School of Medicine
- 2020 Dave Bauer Grad Student Grant Writing Workshop, University of Alabama
- 2019 College of Arts and Sciences Legal Training, University of Alabama
- 2019 Graduate Teaching Assistant Workshop, University of Alabama
- 2019 Evolutionary Biology Graduate Student Workshop, Mountain Lake Biological Station
- 2018 Science Communication Workshop, Mountain Lake Biological Station
- 2018 Publication Writing and Review Workshop, Mountain Lake Biological Station
- 2018 Introduction to R Workshop, Mountain Lake Biological Station

TEACHING

- 2019 Graduate Teaching Assistant, BSC 108, Intro to Biology for Non-Majors Laboratory, ~80 students

MENTORING

- 2018-2020 Chris Youssef, undergraduate at University of Alabama. Lab protocols, bacterial culturing, and experimental design
- 2018-2019 Nilsamarie Rodriguez, undergraduate at University of Alabama. Lab protocols and bacterial culturing

- 2018-2019 Paula Adams, graduate student at University of Alabama. Nematode husbandry, lab protocols, and life stage identification
- 2018 John Sutton, graduate student at University of Alabama. Nematode husbandry and lab protocols
- 2017 Maddy Erwin, undergraduate at University of Alabama. Bacterial culturing and field work
- 2017 Bobby Chory, undergraduate at University of Alabama. Nematode husbandry and lab protocols

OUTREACH

- 2020 Quarantine “Does It Fart” Scientist Read-Along
- 2020-current Yakademia Podcast, Cocreator and Cohost
- 2018-current BioByLouis YouTube Channel (<https://t.co/Rmy5WBwsJz?amp=1>)
- 2019 UA ArBOoretum Public Outreach Event, Microscopy Station
- 2019 UA Homecoming Biology Outreach Event, Marine Invertebrates Table
- 2019 Family Night at the Museum, Alabama Museum of Natural History
- 2018 Community Open House, Mountain Lake Biological Station
- 2015-2017 West End Health Project, Tuscaloosa, AL

COMMITTEES AND UNIVERSITY GROUPS

- 2020 Conservation Biology Society, University of Alabama
- 2019-2020 BGSA Treasurer, University of Alabama
- 2018-2020 Biology Grad Student Association, University of Alabama
- 2015-2017 Diabetes Education and Training Executive Board Member
- 2015 Alpha Epsilon Delta Pre-Health Honor Society

PROFESSIONAL SOCIETIES

- 2018-current Society for the Study of Evolution (SSE)
- 2018-current Ecological Society of America (ESA)

2018-current American Society of Naturalists (ASN)