


Curriculum Vitae
Emlyn J. Resetarits, PhD
Marine Institute · University of Georgia · Athens, GA 30602
Emlyn.resetarits@uga.edu · eresetarits.github.io
 @Ecology_Gremlyn

Host-parasite dynamics, parasite behavior, role of parasites in ecosystems, community ecology

EDUCATION

- 2013-2019** PhD in Ecology, Evolution, and Behavior
Department of Integrative Biology, University of Texas at Austin
Supervisors: Dr. Mathew Leibold, Dr. Daniel Bolnick and Dr. Shalene Jha
3.96 GPA
- 2008-2012** B.A. in Environmental Biology: Ecology and Evolution Track
Columbia University, New York, NY
3.594 GPA

POSITIONS HELD

- 2022-
Present** Scientist-in-Residence (Assistant Research Faculty)
Marine Institute, University of Georgia
- 2019-2022** Postdoctoral Research and Teaching Associate
Center for the Ecology of Infectious Disease
Odum School of Ecology, University of Georgia
Supervisor: Dr. Jeb Byers
- 2018** Visiting Researcher @ Kuris/Lafferty Lab
University of California – Santa Barbara
- 2018** NSF Graduate Research Intern @ Torchin Lab
Smithsonian Tropical Research Institute
- 2017** Visiting Researcher @ Hechinger Lab
Scripps Institute of Oceanography

PUBLICATIONS

† indicates an undergraduate co-author.

Peer Reviewed Publications

- 2023** **Resetarits, E.J.** and J.E. Byers. 2023. *The role of small-scale environmental gradients on trematode infection*. *Freshwater Biology*. 68(8).
- 2023** **Resetarits, E.J.**, †Ellis W. and J.E. Byers. 2023. *Opposing roles of lethal- and non-lethal effects of parasites on resource consumption*. *Ecology and Evolution*. 13(4).
- 2020** **Resetarits, E.J.**, Torchin, M.E., and R.F. Hechinger. 2020. *Social trematode parasites increase standing army size in areas of greater invasion threat*. *Biology Letters*. 16(2).
-Featured in UC San Diego News, AAAS EurekAlert, Phys Org, and Science Daily.
- 2020** Bolnick, D.I., **Resetarits, E.J.**, Ballare, K., Stuart, Y.E., and W.E. Stutz. 2020. *Scale-dependent effects of geography, host ecology, and host genetics, on species composition and co-occurrence in a stickleback parasite metacommunity*. *Ecology*. 101(12).
- 2020** Bolnick, D.I., **Resetarits, E.J.**, Ballare, K., Stuart, Y.E., and W.E. Stutz. 2020. *Host patch traits have scale-dependent effects on diversity in a stickleback parasite metacommunity*. *Ecography*. 43(7).

2018 **Resetarits, E.J.**, †Cathey, S. and Leibold, M.A. 2018. *Testing the keystone community concept: effects of landscape, patch removal, and environment on metacommunity structure*. Ecology, 99(1).

2016 **Resetarits, E.J.** and Raxworthy, C.J. 2016. *Hidden in plain sight: how ventral line markings in chameleons may enhance camouflage*. American Naturalist, 187(2).

Book Chapters

2022 **Resetarits E.J.**, Bartlett L.J., Wilson C.A., and A.R. Willoughby. Parallels in parasite behavior: the other side of the host-parasite relationship. In: Ezenwa VO, Altizer SA, Hall RJ, editors. *Animal Behavior and Parasitism*. Oxford University Press; 2022.

Manuscripts in review

In review Morton, J., Hensel, M., DeLaMater, D.S., Angelini, C., Atkins, R., Prince, K., Williams, S., Boyd, A., Parsons, J., **Resetarits, E.**, Smith, C., Valdez, S., Monnet, E., Farhan, R., Mobilian, C., Smith, D., Craft, C., Byers, J.E., Alber, M., Pennings, S., Silliman, B. In review. *Mesopredator release moderates trophic control of plant biomass in a Georgia salt marsh*. Ecology.

In review †Watson, C., †Massey, K., †English, T., and **E.J. Resetarits**. In review. *Context-dependent effects of trematode parasites on snail host movement and behavior*. Journal of Animal Ecology

Manuscripts in prep

In prep **Resetarits, E.J.**, †Massey K. and †W. Ellis. *The role of trematode parasites in montane stream ecosystems*.

In prep **Resetarits, E.J.**, and J.E. Byers. *Latitudinal gradient of infection prevalence and trematode diversity in Ilyanassa obsoleta*.

FELLOWSHIPS AND AWARDS (selected)

2022 Best Postdoctoral Talk, Southeastern Population Ecology and Evolutionary Genetics Conference

2020 Best Postdoctoral Talk (Honorable Mention), American Society of Naturalists Stand-Alone Meeting

2018 UT Austin Harrington Dissertation Fellowship (\$49,000)

2015 Ecological Society of America Graduate Student Policy Award

2014 National Science Foundation Graduate Research Fellowship (NSF GRFP) (\$138,000)

2013 UT Integrative Biology Recruitment Fellowship (\$33,550)

GRANTS

In review R15 Academic Research Enhancement Award (AREA). *Investigating natural variation in parasite immunity and life history traits in a wide-ranging marine snail*. E.J. Resetarits. National Institutes of Health.

2021 Georgia Coastal Incentive Grant. *Spatial & temporal patterns of disease in Georgia oyster reef habitat*. J.E. Byers, J.M. Carroll. S.L. Ziegler, M.D. Kenworthy, and **E.J. Resetarits**. Georgia Department of Natural Resources (\$160,000).

2017 UT Ecology, Evolution and Behavior Graduate Program Travel Award (\$2000)

- 2017 NSF Graduate Research Internship Program (GRIP) to conduct research with Smithsonian Tropical Research Institute (\$5000)
- 2017 NSF Doctoral Dissertation Improvement Grant (\$8000)
- 2016 The Zoology Scholarship Endowment for Excellence from the UT Ecology, Evolution and Behavior Graduate Program (\$8000)
- 2014 UT Ecology, Evolution and Behavior Graduate Program Startup Grant (\$2000)
- 2013 Texas Ecolabs Grant: Spatial ecology and cheater dynamics of toxic golden algae in the Colorado River basin (\$5,250).

PRESENTATIONS (selected)

- 2023 **Resetarits, E.J.** April 3rd, 2023. *The role of parasites in aquatic ecosystems*. Ecology, Evolution and Behavior Seminar. Georgia Southern University, Statesboro, GA.
- 2023 **Resetarits, E.J.** January 23rd, 2023. *The role of parasites in aquatic ecosystems*. Biology Seminar Series. Barnard University, New York, NY.
- 2022 **Resetarits, E.J.** September 6th, 2022. *The role of parasites in aquatic ecosystems*. Ecology, Evolution and Behavior Seminar. University of Virginia, Charlottesville, VA.
- 2022 **Resetarits, E.J.** March 26th, 2022. *The impact of trematode parasites on stream ecosystems*. Southeastern Population Ecology and Evolutionary Genetics Conference.
- 2022 **Resetarits, E.J.** February 22nd, 2023. *The role of parasites in aquatic ecosystems*. Biology Seminar Series. University of Massachusetts-Lowell, Lowell, MA.
- 2021 **Resetarits, E.J.** April 7th, 2021. *How temperature influences the role parasites play in ecosystems*. Ecology, Evolution, Behavior, & Organismal Biology seminar series, Kennesaw State University, Kennesaw, GA.
- 2021 **Resetarits, E.J.** April 9th, 2021. *Invasion of the body-snatchers: how parasites allocate soldiers in the field*. Gayle Ollington UT Osher Lifelong Learning Institute, Austin, TX.
- 2020 **Resetarits, E.J.**, Torchin, M., and R. Hechinger. January 7th, 2020. *Geographic variation in invasion threat drives allocation to soldiers in social trematodes*. American Society of Naturalists Stand-alone Meeting, Asilomar, CA.
- 2019 **Resetarits, E.J.**, May 20th, 2019. *Competition Across Space: From Metacommunities To Social Body-Snatching Trematodes*. EEB Dissertation Defense, University of Texas at Austin.
- 2018 **Resetarits, E.J.**, Hechinger, R., and M. Torchin. January 6th, 2018. *How interspecific competition influences eusociality across a guild of body-snatching trematodes*. 150th Anniversary conference of the American Society of Naturalists, Asilomar, CA.
- 2016 **Resetarits, E.J.**, Fournier, B., and M.A. Leibold. June 21st, 2016. *Searching for Keystone Communities: Evidence from Protist Metacommunities*. Evolution, Austin, TX.
- 2015 **Resetarits, E.J.**, Cathey, S. and M.A. Leibold. November 2, 2015. *Do keystone communities exist? Population Biology Seminar*, University of Texas at Austin.

TEACHING EXPERIENCE

- 2022 Methods in Marine Ecology (ECOL4225/ECOL4225L), UGA
Instructor of record for a field-intensive ecology course.
- 2020, 2021 General Ecology + Lab (ECOL3500/ECOL3500L), UGA.

Instructor of record for a field-intensive ecology course.

2020-Present Faculty Mentored Research (BIO4690R, ECOL4690R, MARS4960R), UGA

2014, 2015 Field Ecology Lab (BIO 373L), UT Austin
Teaching Assistant

STUDENT MENTORING

† Indicates student received UGA CURO Research Award to conduct research

* Indicates student won best undergraduate poster award at the Southeastern Population Ecology and Evolutionary Genetics Conference

2021-2022 Kailah Massey^{†*} (Ecosystem effects of parasites, parasite diversity)
2021-2022 Taylor English^{†*} (Division of labour in parasites)
2020-2022 Will Ellis[†] (Joint effects of climate change and parasitism on host consumption)
2020-2022 Carter Watson[†] (Impact of infection on host movement)
2019-2020 Jason Ogbomoh (Climate change effects on snail life history traits)
2018 Amy Starzak (Cooperative toxicity in golden algal blooms)
2017 Aubree Szczepanski (Climate change effects on golden algal blooms)
2015-2017 Sara Cathey (Keystone Communities)
2015 Jake Greenfield (Keystone Communities)
2015 Ashwin Nidathavolu (Keystone Communities)
2015 Lauren Sanford (Keystone Communities)

ACADEMIC SERVICE

2018-Present Peer reviewed manuscripts for Ecology Letters, Global Change Biology, Journal of Ecology, PlosOne, Parasitology, American Naturalist, Oecologia, Royal Society Proc B

2018-2021 Co-organized Natural History Trivia Night for the American Society of Naturalists Stand-Alone Meetings in 2018 (Asilomar, CA), 2020 (Asilomar, CA), and 2021 (Virtual).

2017-2018 UT Integrative Biology Ecology Faculty Search Committee Member

2017-2018 Graduate Student Representative, Ecology, Evolution and Behavior Graduate Program, Integrative Biology, UT Austin.

2017-2018 American Society of Naturalists Graduate Council President

2016-2019 American Society of Naturalists Graduate Council Member

OUTREACH

2018-2022 *STEM Fatale Podcast*: I cohost a bi-weekly podcast diving into the lives of historical women in STEM fields. <http://www.stemfatalepodcast.com>

2019-2022 *Women in Science (WiSci) Mentor*: WiSci strives to help up-and-coming professionals achieve their career goals.

2016-2018 *They Blinded Me With Science DJ*: I cohosted UT Austin's weekly science news and interview show <http://www.kvrx.org/schedule/programs/337>

2016-2018 *Science Under the Stars (SUTS) coordinator*: SUTS is a free, monthly public outreach lecture series founded and organized by graduate students in the Department of Integrative Biology at University of Texas at Austin. <https://scienceunderthestars.org/about/>

REFERENCES

Dr. James E. Byers

Meigs Distinguished Teaching Professor of Ecology
Odum School of Ecology, University of Georgia,
Athens, GA 30602
jebyers@uga.edu
(706) 372-4938

Dr. Daniel Bolnick

Professor of Ecology and Evolutionary Biology
University of Connecticut,
Storrs, CT 06269
Daniel.bolnick@uconn.edu
(860) 486-3156

Dr. Mathew Leibold

Preeminent Scholar,
Professor of Biology
University of Florida
Gainesville, FL 32611
mleibold@ufl.edu
(352) 294-7544

Dr. Meryll Alber

Professor of Marine Science,
Director of the UGA Marine Institute
University of Georgia
Athens, GA 30602
malber@uga.edu
(706) 542-5966