

Meghan F. Maciejewski

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EDUCATION

- Aug 2020 - Present **PhD in Ecology, Evolution, & Behavior** | University of Illinois Urbana-Champaign
Advisor: Dr. Alison Bell
- 2014 - 2018 **BS in Biology** | Stonehill College
Moreau Honors Program, Departmental Honors in Biology, *summa cum laude*
Honors Thesis Advisor: Dr. Bronwyn Bleakley

FELLOWSHIPS & SCHOLARSHIPS

- 2020 Graduate Research Fellowship, National Science Foundation (\$138,000)
Illinois Distinguished Fellowship, University of Illinois (\$75,000)
- 2017 Barry Goldwater Undergraduate Research Scholarship, Barry Goldwater Foundation (\$7,500)
- 2014 Moreau Honors Merit Scholarship, Stonehill College (\$100,000)

AWARDS & GRANTS

- 2023 Odum-Kendeigh Summer Research Award, University of Illinois (\$1,000)
Harley J. Van Cleave Research Award, University of Illinois (\$1000)
- 2022 Odum-Kendeigh Summer Research Award, University of Illinois (\$1,000)
Graduate College Dissertation Travel Grant, University of Illinois (\$3,966)
Student Research Grant, Animal Behavior Society (\$1,320)
- 2021 R. C. Lewontin Graduate Research Excellence Grant, Society for the Study of Evolution (\$2,500)
Grant in Aid of Research, Sigma Xi (\$500)
Edwin Banks Award for the Study of Behavior, University of Illinois (\$1,500)
Clark Research Support Grant, University of Illinois (\$1,000)
- 2018 Moreau Honors Leadership Grant, Stonehill College (\$500)
Student Opportunity Award, Stonehill College (\$400)
Student Travel Grant, Stonehill College (\$300)
- 2017 Student Travel Grant, Stonehill College (\$300)
Moreau Honors Leadership Grant, Stonehill College (\$200)

PUBLICATIONS

5. **Maciejewski MF**, Bell AM. 2022. Insights in parental care from studies on non-mammalian vertebrates. *Affective Science*. 3:792-798.
4. Hund AK*, Fuess LE*, Kenney ML, **Maciejewski MF**, Marini JM, Shim KC, Bolnick DI. 2022. Population level variation in parasite resistance due to differences in immune initiation and rate of response. *Evolution Letters*. 2:162-177. *co-first authors
3. **Maciejewski MF**, Jiang C, Stuart YE, Bolnick DI. 2020. Microhabitat contributes to microgeographic variation in threespine stickleback. *Evolution*. 74:749-763.
2. **Maciejewski MF**, Hernandez CA, Bolnick DI. 2019. Investigating the association between armor coverage and parasite infection in an estuarine population of stickleback. *Evolutionary Ecology Research*. 20:69-82.
1. **Maciejewski MF**, Meyer KS, Wheeler JD, Anderson EJ, Pittoors NC, Mullineaux LS. 2019. Helical swimming as an exploratory behavior in competent larvae of the eastern oyster (*Crassostrea virginica*). *Journal of Experimental Marine Biology and Ecology*. 510:86-94.
In prep
3. Bell SE*, Xie RY*, **Maciejewski MF**, Rubakhin SS, Romanova EV, Bell AM, Sweedler JV. Single cell chemistry of the three-spined stickleback pituitary: implications in parenting behaviors. *co-first authors

2. Matthews DG, **Maciejewski MF**, Wong GA, Lauder GV, Bolnick DI. Locomotor effects of a fibrosis-based immune response in stickleback fish.
1. Behrens C, **Maciejewski MF**, Dalziel AC, Weir LK, Bell AM. A rapid divergence in reproductive behaviors accompanies the evolutionary loss of parental care.

PRESENTATIONS

Talks

- 2021 **Maciejewski MF**, Behrens C, McLain M, Bell AM. Parental care makes offspring more cautious: evidence from developmental and evolutionary timescales. Animal Behavior Society. *virtual*
- 2018 **Maciejewski MF**. Behavioral responsiveness to environmental cues influences cooperation in guppies. GuppyCon, Stonehill College, North Easton, MA.
- Maciejewski MF**. Does reliance on similar sensory modalities improve cooperation in guppies? Summit for Women in STEM. Wheaton College. Norton, MA.

Posters

- 2023 **Maciejewski MF**, Fischer EK, Bell AM. Neural correlates of divergent reproductive behavior in two ecotypes of threespine stickleback. Society for Integrative and Comparative Biology. Austin, TX.
- 2021 **Maciejewski MF**, Behrens C, McLain M, Bell AM. Investigating the effects of paternal care on boldness in threespine stickleback. Graduates in Ecology and Evolutionary Biology (GEEB) Symposium. University of Illinois. Urbana, IL. *virtual*
- 2019 **Maciejewski MF**, Jiang C, Stuart YE, Bolnick DI. Microgeographic variation in morphology and genotype within threespine stickleback populations. Society for the Study of Evolution. Providence, RI.
- 2018 **Maciejewski MF**, Meyer KS, Pittoors N, Wheeler JD, Anderson EJ, Mullineaux LS. Helical swimming in oyster larvae corresponds with exploration rather than feeding. Society for Integrative and Comparative Biology. San Francisco, CA.
- 2017 **Maciejewski MF**, Mullineaux LS. Effects of starvation on helical swimming in *Crassostrea virginica*. Woods Hole Oceanographic Institution Summer Student Research Forum. Woods Hole, MA.
- Maciejewski MF***, Smith M*, Boyd A, Guerrero A, Bleakley BH. Influences of lateral line on learning in *Poecilia reticulata*. Animal Behavior Society. Toronto, Canada. **co-presenters*
- 2016 **Maciejewski MF**, Drew R. Gene expression of *synaptotagmin-2 (SYT2)* in the symbiotic anemonefish *Amphiprion ocellaris*. University of Massachusetts Dartmouth Undergraduate Summer Research Symposium. North Dartmouth, MA.

ADDITIONAL RESEARCH EXPERIENCE

- 2018 - 2020 **Research Assistant** | University of Connecticut
Supervisor: Dr. Daniel Bolnick
- 2017 - 2018 **Guest Student** | Woods Hole Oceanographic Institution
Supervisor: Dr. Lauren Mullineaux
- 2017 **Summer Student Fellow** | Woods Hole Oceanographic Institution
WHOI Summer Student Fellowship Program
Supervisor: Dr. Lauren Mullineaux
- 2016 - 2018 **Undergraduate Researcher** | Stonehill College
Supervisor: Dr. Bronwyn Bleakley
- 2016 **Undergraduate Researcher** | University of Massachusetts, Dartmouth
Integrative Marine Biology NSF REU Program
Supervisor: Dr. Robert Drew

MENTORING

2023	Mentoring Certification Graduate College, University of Illinois
2021- Present	Research Mentor Bell Lab, University of Illinois
	2023 - Present <i>Catherine Marquez</i> : Access and Achievement Program
	<i>Julia Ciura</i> : BEST Scholar Program
	<i>Annika Bagazinski</i> : Integrative Biology Honors Program
2022	<i>Kaithren Garcia</i> : NSF REU, Phenotypic Plasticity Research Experience for Community College Students, presented poster and talk at University of Illinois Summer Research Symposium
	<i>Ivan Valishev</i> : Integrative Biology Honors Program
2021 - 2023	<i>Tara Pavithran</i> : Integrative Biology Honors Program, iBio Program (Summer 2022), Research Support Grant Recipient (\$2000, Summer 2022), awarded Highest Distinction for senior thesis project (2023), presented talk at Undergraduate Research Symposium (2023)
2017 - 2018	Research Mentor Bleakley Lab, Stonehill College
	2017 - 2018 <i>Adam Zeigler, Hannah Gross, Airika Laguerre</i>
	2017 <i>Junior Andrade, Zachary Fanara</i>

TEACHING

2018	Biology Tutor University of Connecticut Women in Math, Science, and Engineering Snack and Study Program
2016 - 2018	Biology Lab Assistant Stonehill College <i>Courses</i> : Microbiology, Marine Ecosystems, Biological Principles I
2016 - 2018	Chemistry Tutor Stonehill College <i>Courses</i> : Organic Chemistry I and II, General Chemistry I and II
2015 - 2018	Biology Teaching Assistant and Subject Tutor Stonehill College <i>Courses</i> : Cell Biology, Genetics, Evolution, Biological Principles I and II

PEER REVIEW

2023	Student Research Grant Reviewer Animal Behavior Society
2021 - 2023	Peer Reviewer Genes, Brains, and Behavior (1); CRC Press (1); Annals of the NY Academy of Sciences (1)

OUTREACH

2022, 2023	Volunteer, Local Fishes Display Boneyard Creek Community Day
2017	Biology Department Representative Stonehill College Welcome Day
	Biology Demo Volunteer Woods Hole Science Stroll
2013 - 2017	Gallery Guide Volunteer Maritime Aquarium