

Kaitlyn J. Howell

Curriculum vitae

University of Texas at Arlington
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EDUCATION

- B.S. Biology, *Magna cum laude*
University of Texas at Arlington, December 2016
- Ph.D. Quantitative Biology
University of Texas at Arlington, *expected Spring 2022*
Advisor: Matthew R. Walsh, Ph.D.

ACADEMIC APPOINTMENTS

- 2017-Present Graduate Teaching Assistant, Department of Biology, University of Texas at Arlington
- 2015 to May 2017 Undergraduate lab manager, The Walsh Lab, University of Texas at Arlington
- Summer 2016 Undergraduate Research Assistant, Toolik Field Station, Alaska

PUBLICATIONS

*indicates undergraduate author

In Review:

Howell, K.J., S.M. Beston, S. Stearns*, and M.R. Walsh. 2020. Coordinated Evolution of Brain Size, Structure and Eye Size in Trinidadian killifish. *Journal of Evolutionary Biology*. MS ID: JEB-2020-00307.

In Preparation:

Howell, K.J., S.M. Beston, and M.R. Walsh. (in prep). The connection between brain size evolution and fitness in natural populations of killifish.

Howell, K.J., S.M. Beston, and M.R. Walsh. (in prep). Tests of the behavioral correlates of predator driven brain size evolution in the wild.

Beston, S.M., **K. J. Howell**, and M.R. Walsh. (in prep). Competition as a selective mechanism for eye size evolution in Trinidadian killifish.

Packer, M.R., **K. J. Howell**, and M.R. Walsh. (in prep). The influence of long-term lake productivity on life-history evolution in *Daphnia*: Comparing natural and manipulated systems.

GRANTS AND AWARDS

2018 Research Grant, Beta Phi Chapter of Phi Sigma Biological Honor Society, \$3000

2019 Travel Grant, Beta Phi Chapter of Phi Sigma Biological Honor Society, \$750

 Research Grant, Beta Phi Chapter of Phi Sigma Biological Honor Society, \$3000

 RC Lewontin Early Award, Society for the Study of Evolution, \$2500

 I-Engage Mentor Program Scholarship, Office of Graduate Studies, UTA, \$2000

2020 Grant-In-Aid of Research, Sigma Xi: The Scientific Research Society, \$800

PRESENTATIONS

*poster

Howell, K.J. and M.R. Walsh. 2019. Connecting brain size, behavioral flexibility, and dispersal in Trinidadian killifish (*Rivulus hartii*) *. Presented at Evolution 2019, Providence, RI.

SERVICE AND OUTREACH

2019 EarthX, Dallas, Texas; Public Outreach

2018 EarthX, Dallas, Texas; Public Outreach

2017 Ecofest, Arlington, Texas; Public Outreach

2017 EarthDay TX, Dallas, Texas; Public Outreach

2012-2014 Botanical Research Institute of Texas, Herbarium volunteer

MENTORSHIP

*I-Engage Mentorship Program participant, UTA, Summer 2019

+Co-Mentored

2019-2020 Aleah Levine, Undergraduate, University of Texas at Arlington

2019 Nisha Gamadia*, Undergraduate, University of Texas at Arlington

2018 Anum Zobairi+, Undergraduate, University of Texas at Arlington

2017- 2018 Sara Stearns+, Honors College Undergraduate, University of Texas at Arlington

TEACHING

2020 FA Teaching Assistant, Ecology Laboratory

2020 SU Teaching Assistant, Zoology Laboratory

2020 SP Teaching Assistant, Zoology Laboratory

2019 FA Teaching Assistant, Ecology Laboratory
2019 SU Teaching Assistant, Zoology Laboratory
2019 SP Teaching Assistant, Zoology Laboratory
2018 FA Teaching Assistant, Ecology Laboratory
2018 SU Teaching Assistant, Anatomy and Physiology II Laboratory
2018 SP Teaching Assistant, Anatomy and Physiology I Laboratory
2017 FA Teaching Assistant, Ecology Laboratory

SOCIETY MEMBERSHIPS

Beta Phi Chapter of the Phi Sigma Biological Honor Society
The Society for the Study of Evolution (SSE)
The American Association of University Women (AAUW)
American Society of Naturalists (ASN)