**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

**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:

Stearns, S.\*, S.M. Beston, **K. J. Howell**, and M.R. Walsh. 2018 (in review). The evolution of vertebrate brain architecture in response to divergent natural selection: concerted vs. mosaic evolution? American Naturalist. MS ID:

In Revision:

**Howell, K.J**., S.M. Beston, and M.R. Walsh. 2018 (in revision). Increased brain size is associated with enhanced jumping behavior in a Trinidadian killifish (Rivulus hartii). Animal Behaviour. MS ID: ANBEH-D-18\_00530

In Preparation:

**Howell, K.J.**, S.M. Beston, and M.R. Walsh. (in prep). Experimental tests of the cognitive buffer theory in *Rivulus hartii*: brain size predicts movement.

Beston, S.M., **K. J. Howell**, and M.R. Walsh. (in prep) Tests of the behavioral and fitness 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.

**GRANTS AND AWARDS**

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

**SERVICE AND OUTREACH**

2018 EarthX, Dallas, Texas

2017 Ecofest, Arlington, Texas

2017 EarthDay TX, Dallas, Texas

2012-2014 Botanical Research Institute of Texas, Herbarium volunteer

**UNDERGRADUATE MENTEES**

2019 Denisse Rodriguez Corpus, Undergraduate, University of Texas at Arlington

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**

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 Phi Sigma Biological Honor Society

The Society for the Study of Evolution