

SARAH T. FRIEDMAN

CONTACT

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APPOINTMENTS

2020 – 2022 Hutchinson Environmental Postdoctoral Fellow
Department of Evolution and Ecology
Yale University

EDUCATION

2015 – 2020 Ph.D. in Evolution and Ecology
University of California, Davis
Advisor: Dr. Peter C. Wainwright

2010 – 2014 B.S. in Aquatic and Fishery Sciences
Minor in Marine Biology
University of Washington
Advisor: Dr. Ted W. Pietsch

PUBLICATIONS

- 6) Price, S.A., Larouche, O., **Friedman, S.T.**, Corn, K.A., Wainwright, P.C. and Martinez, C.M. (2020). A CURE for a major challenge in phenomics: a practical guide to implementing a quantitative specimen-based undergraduate research experience. *Integrative Organismal Biology*. doi:10.1093/iob/obaa004
- 5) Price, S.A., **Friedman, S.T.**, Corn, K.A., Martinez, C.M., Larouche, O., and Wainwright, P.C. (2019). Building a body shape morphospace of teleostean fishes. *Integrative and Comparative Biology*. doi:10.1093/icb/icz115/5523207.
- 4) **Friedman, S.T.**, Martinez, C.M., Price, S.A., and Wainwright, P.C. (2019) The influence of size on body shape diversification across Indo-Pacific shore fishes. *Evolution*. doi:10.1111/evo.13755.
- 3) Minicozzi, M., Kimball, D., Finden, A., **Friedman, S.**, and Gibb, A.C. (2019). Are extreme anatomical modifications required for fish to move effectively on land?

Comparative anatomy of the posterior axial skeleton in the Cyprinodontiformes. *The Anatomical Record*. <https://doi.org/10.1002/ar.24117>.

- 2) **Friedman, S.T.**, Price, S.A., Hoey, A.S., and Wainwright, P.C. (2016). Ecomorphological convergence in planktivorous surgeonfishes. *Journal of Evolutionary Biology*. doi: 10.1111/jeb.12837.
- 1) Price, S.A., **Friedman, S.T.**, and Wainwright, P.C. (2015). How predation shaped fish: the impact of fin spines on body form evolution across teleosts. *Proceedings of the Royal Society of London B: Biological Sciences*. 282:20151428.

MANUSCRIPTS IN PROGRESS

Vaz, D., Martinez, C., **Friedman, S.T.**, and Rizzato, P. (Accepted). Taxonomy and Morphology. Chapter 6 in *Methods for Fish Biology*. American Fisheries Society, Bethesda, Maryland.

Friedman, S. T., Price, S.A., Corn, K.A., Larouche, O., Martinez, C.M., and Wainwright, P.C. (In Revision). Morphological diversification along the benthic-pelagic axis in marine teleosts. *Proceedings of the Royal Society of London B: Biological Sciences*.

RESEARCH GRANTS

2019	UC Davis Center for Population Biology Travel Award (\$1,500)
2017	Ecology Student Endowment (\$2,475)
2016	Center for Population Biology Research Award (\$1,385)
2016	Ecology Student Endowment (\$2,310)

AWARDS AND FELLOWSHIPS

2020	NSF Postdoctoral Research Fellowship in Biology (\$138,000; declined)
2020	Wake Award for Best Student Presentation, SICB Conference
2019	W.D. Hamilton Award finalist, awarded Honorable Mention (\$500)
2019	UC Davis Outstanding Graduate Student Teaching Award (\$500)
2017	Elizabeth P. Wood Fellowship (\$2,072)
2017	Graduate Group in Ecology Fellowship (\$11,864)
2016	Stephen and Ruth Wainwright Endowed Fellowship (\$2,500)
2016	Ted and Silvia Hillyer Fellowship (\$1,000)
2016	James P. Michelletti Research Fellowship (\$7,319)
2016	Graduate Group in Ecology Fellowship (\$18,876)
2014	Wake Award for Best Student Poster, SICB Conference

TEACHING EXPERIENCE

2018 – 2020 Teaching Assistant, Evolution and Ecology (BIS 2B), UC Davis
2019 Teaching Assistant, Life in the Sea (EVE 12), UC Davis
2019 Teaching Assistant, Data Carpentry in R, UC Davis
2015 – 2018 Instructor, Biodiversity of Fishes, UC Davis
2013 – 2014 Teaching Assistant, Biology of Fishes (FISH 311), Univ. of Washington

SELECT CONFERENCE PRESENTATIONS

Friedman, S. Collyer, M., Price, S., and P. Wainwright. Divergent processes drive parallel evolution in marine and freshwater fishes. Oral presentation delivered at SICB, Austin, TX. Jan 2020.

Friedman, S., Price, S., and P. Wainwright. Morphological diversification along the benthic-pelagic axis in marine teleosts. Oral presentation delivered at Gilbert Ichthyological Society, Eatonville, WA. Sept 2019.

Friedman, S., Price, S., and P. Wainwright. Getting to the bottom of it: Morphological diversification in benthic teleosts. Oral presentation delivered at Evolution, Providence, RI. June 2019.

Friedman, S., Price, S., and P. Wainwright. Getting to the bottom of it: Morphological diversification in benthic teleosts. Oral presentation delivered at the Society for Integrative and Comparative Biology, Tampa, FL. January 2019.

Friedman, S., Price, S., and P. Wainwright. The influence of body size on morphological diversification across fishes. Oral presentation delivered at the Society for Integrative and Comparative Biology, San Francisco, CA. January 2018.

Friedman, S., Price, S., Hoey, A. and P. Wainwright. Ecomorphological convergence in planktivorous surgeonfishes. Oral presentation delivered at the Society for Integrative and Comparative Biology, New Orleans, LA. January 2017.

PROFESSIONAL SOCIETIES

Evolution

Gilbert Ichthyological Society

Society for Integrative and Comparative Biology (SICB)

American Society of Ichthyologists and Herpetologists (ASIH).

SERVICE AND OUTREACH

REVIEWER

Integrative and Comparative Biology (1), Systematic Biology (1), Journal of Anatomy (1), Journal of Fish Biology (1), The American Naturalist (1), Proceeding of the Royal Society B: Biological Sciences (1), Evolution (2), BMC Evolutionary Biology (1)

RECENT COMMUNITY OUTREACH

2019 - 2020 Scientist Educator, Skype A Scientist program

2016 - 2020 Presenter, Biodiversity Day, Bohart Museum, Davis, CA

2016 - 2018 Exhibitor, Picnic Day, University of California, Davis, CA