

Lindsey Cate Schwartz

Department of Biology
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EDUCATION

2022 **Ph.D., Biological Sciences:** Ecology, Evolution & Organismal Biology, Univ. of South Carolina, Columbia, SC
Major advisor: Dr. Thomas J. Hilbish
2017 **Post Baccalaureate Certificate, Applied Statistics,** Univ. of South Carolina, Columbia, SC
2016 **B.S., Biology,** *magna cum laude*, Muhlenberg College, Allentown, PA

PROFESSIONAL EXPERIENCE

2022 – Postdoctoral Researcher, LO-SPAT project, University of Louisiana at Lafayette
2018 – 2021 Senior Teaching Assistant, Principles of Biology I Lab
2016 – 2018 Graduate Teaching Assistant, Ecology and Evolution Lab, Principles of Biology I Lab

PUBLICATIONS

Schwartz LC, González VL, Hilbish TJ. Genetic variants associated with complex phenotypes remain elusive in the *Mytilus edulis* species complex. *In prep.*
Schwartz LC, Truebano M, Hilbish TJ. Correlating physiology and gene expression patterns under chronic thermal stress in the congeners with different thermal tolerances. *In prep.*
Schwartz LC, Truebano M, Strong EE, Hilbish TJ, González VL. Divergent transcriptomic responses to chronic thermal stress by hybrid and parental blue mussels. *In prep.*

FELLOWSHIPS AND GRANTS

2020 Conchologists of America Research Grant, \$1,200
2020 Slocum-Lunz Foundation Research Grant, \$1,200
2018 National Museum of Natural History Predoctoral Fellow Research Grant, \$4,000
2016, 2017, University of South Carolina Department of Biological Sciences Elsie Taber Graduate
2018 Fellowship, \$4,500 ea.
2015 National Museum of Natural History REU, \$5,500

AWARDS AND HONORS

2019 – 2020 Smithsonian Institution Predoctoral Fellow, National Museum of Natural History
(Advisors: Ellen Strong and Vanessa González)
2016 Phi Beta Kappa Pi of Pennsylvania Chapter

ADDITIONAL RESEARCH EXPERIENCE

2015 REU Intern, National Museum of Natural History
2015 Independent research, School for Field Studies Marine Resource Center, South Caicos, Turks and Caicos Islands

LC Schwartz

2014 Research Intern, National Museum of National History

PRESENTATIONS

Invited talks

2018 “The physiology and transcriptomics of thermal tolerance in *Mytilus* mussels,” Muhlenberg College (*Invited by E. Iyengar*).

Conference talks and posters

2021 “Energy limited thermal tolerance in the *Mytilus edulis* species complex” Society for Experimental Biology Virtual Meeting. *Oral*

2021 “Energy limited thermal tolerance in the *Mytilus edulis* species complex” Society for Integrative and Comparative Biology Virtual Meeting. *Oral*

2019 “The physiology and transcriptomics of Thermal Tolerance in *Mytilus* Mussels” Society for Integrative and Comparative Biology Annual Meeting, Tampa, FL. *Oral*

2016 “Carcinonemertidae: A Family of Worms Seeking Phylogenetic Closure” Society for Integrative and Comparative Biology Annual Meeting, Portland, OR. *Poster*

Institutional talks

2020 “Thermal tolerance in *Mytilus* mussels across multiple levels of biological organization” The University of South Carolina Ecology, Evolution, and Organismal Biology graduate seminar series.

2019 “Differential Thermal Tolerance in *Mytilus* Mussels and Their Hybrids” Department of Invertebrate Zoology No Bones seminar series, National Museum of Natural History, Washington, DC.

2019 “Differential Thermal Tolerance in *Mytilus* Mussels and Their Hybrids” Ecophysiology and Development Research Group, Plymouth University, Plymouth, GB.

2018 “The physiology and transcriptomics of thermal tolerance in *Mytilus* mussels” The University of South Carolina Ecology, Evolution, and Organismal Biology graduate seminar series.

ADVANCED COURSEWORK & WORKSHOPS

2018 Applied Multivariate Statistics

2017 Applied Statistics II

2017 Applied Statistics I

2017 RNASeq Workshop, UC Davis Bioinformatics Core, Davis, CA

2017 Intro to Genomic Data Analysis Using R

2016 Environmental Genomics Workshop, MDIBL, Bar Harbor, ME

2016 Teaching Assistant Development

2015 PADI Advanced Open Water Diver Certification Course

SERVICE

Professional and Academic Service

2017 – 2019 Graduate Associate in the Biological Sciences (GABS) Service Chair

Community Outreach

LC Schwartz

2020 – America Needs You (ANY) Mentor Coach
2017 – 2019 GABS Liaison to EdVenture Children’s Museum, Columbia, SC
2015 The Scientist is In, National Museum of Natural History, Washington, DC
2014 Aquarist Intern, Phillips Wharf Environmental Center, Tilghman, MD

PROFFESIONAL MEMBERSHIPS AND AFFILIATIONS

2021 – Society for Experimental Biology
2016 – Society for Integrative and Comparative Biology

REFERENCES

Thomas J. Hilbish

Professor, Biological Sciences, University of South Carolina
Email: hilbish@biol.sc.edu; tel. 803-777-6629
Earth and Water Sciences rm. 715
701 Sumter St.
Columbia, SC 29208

Manuela Truebano

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Research Group, Marine Biology and Ecology Research Center, University of Plymouth
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Vanessa González

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