

## Lauren Zane

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### EDUCATION

*2021-present*

University of Rhode Island  
Ph.D in Biological and Environmental Sciences  
Concentration in Evolution and Marine Biology  
Advisor: Dr. Kelton McMahon  
GPA: 4.00

*2017-2021*

University of California, Berkeley  
Bachelor of Arts in Integrative Biology  
Honors thesis advisors: Dr. José Pablo Vasquez-Medina, Dr. David Ensminger

### RESEARCH

*Sept. 2021-current*

**Investigating the role of the fatty acid and lipid metabolism in coral reproduction, bleaching and recovery**  
University of Rhode Island, Kingston, RI

Advisor: Dr. Kelton McMahon

*Sept. 2020-May 2021*

**Short-term elevations in glucocorticoids do not alter telomere lengths: A systematic review and meta-analysis of non-primate vertebrate studies**

University of California, Berkeley, Berkeley, CA  
Advisors: Dr. Jose Pablo Vaquez-Medina, Dr. David Ensminger

*June 2019-August 2019*

**Cytotoxicity of Environmental Toxins PFOA and Gen X**  
Duke University Marine Laboratory, Beaufort, NC

Advisor: Dr. Thomas Schultz

*Aug. 2017-May 2019*

**Embryonic Development of *Asellus Aquaticus***  
University of California, Berkeley, Berkeley, CA  
Advisors: Dr. Nipam Patel, Dr. Dennis Sun

### PUBLICATIONS

**5. Zane L.H.**, Putnam H. "Assessing reproductive costs of changing seasonality in the Rhode Island State Coral (2024). In prep.

**4. Zane L.H.**, Sullivan, S., Trevino Pena, M. Undercurrents: Exploring social drivers of racism in coastal recreation through autoethnography and local activism. (2024) In prep.

**3. Zane L. H.**, Lucente S., Bailey R., Gavery M., Roxbury D., Putnam H. Evaluation of single-walled carbon nanotubes as lipid sensors in reef building corals (2024) **In prep.**

2. Ashe, J., McKelvie H., Freeman, J.D., Shpilker P., **Zane, L.H.**, Becker-Polinski, D.M., Cowen, L., Richmond, R. H., Paul V., Seneca, F., Putnam, H.M. (2023) Characterizing transcriptomic responses to sediment stress across location and 1 morphology in reef-building corals. *PeerJ*.

1. **Zane, L.H.**, Ensminger, D.C., and Vasquez-Medina, J.P. (2021) Short-term elevations in glucocorticoids do not alter telomere lengths: A systematic review and meta-analysis of non-primate vertebrate studies. *PLoS ONE*.

## PRESENTATIONS

4. **Zane, L.H.**, Sullivan, J., Trevino Pena, M. Undercurrents: Exploring social drivers of racism in coastal recreation through autoethnography and local activism. Conference Talk, November 2023.

3. **Zane, L.H.**, Lucente, S., Roxbury, D., Putnam, H.M. Investigating the role of epigenetics in facilitating long-term changes in lipid metabolism during bleaching and recovery. EPIMAR. Woods Hole, MA. Poster presentation, October 2022.

2. **Zane, L.H.**, Ensminger, D.E., Vasquez-Medina, J.P., UC Berkeley Department of Integrative Biology Honors Symposium. Virtual. Oral presentation, May 2021.

1. **Zane, L.H.** and Schultz, T. Cytotoxicity of Environmental Toxins PFOA and Gen X. Ocean Sciences Meeting. San Diego, CA. Poster presentation, February 2020.

## FELLOWSHIPS AND AWARDS

<i>Nov. 2023</i>	Best Student Research Paper Award (Coastal Transitions Conference)
<i>March 2023</i>	Godzala Fund Grant Recipient (Rhode Island Natural History Survey; \$1,200)
<i>Sept. 2021</i>	URI Dean's Diversity Fellowship (~\$20,000)
<i>May 2021</i>	Natural History Award (UCB Integrative Biology; \$120)
<i>Dec. 2020</i>	Excellence in Advising (UCB College of Letters and Science)
<i>May 2019</i>	NOAA Hollings Scholar (\$19,000)
<i>June 2019</i>	NSF REU Fellow at Duke University Marine Laboratory (\$5,000)

## Professional Service

<i>Jan. 2022-current</i>	<b>Evolution and Marine Biology Student Representative</b> University of Rhode Island
<i>Jan. 2022-current</i>	<b>Voices of Inclusion in Communities of Education and Science (VOICES) Facilitator</b> University of Rhode Island
<i>Jan. 2022-current</i>	<b>Diversity and Inclusion Badge Program Facilitator</b> University of Rhode Island
<i>Sept. 2021-Dec. 2022</i>	<b>Diversity and Inclusion Badge Program Participant</b>

University of Rhode Island

**TEACHING AND ADVISING**

*Sept. 2022 -current*

**Graduate Teaching Assistant**

University of Rhode Island

Courses: Biology 103: Principles of Biology Laboratory I, Biology  
104: Principles of Biology Laboratory II

*May 2020-May 2021*

**Peer Adviser**

University of California, Berkeley

\*Separate Positions held through College of Letters and Sciences  
and Department of Integrative Biology