

Laura LogoZZo

PhD Candidate, Yale University

21 Sachem Street | New Haven, CT | laura.logoZZo@yale.edu

Education

PhD	Yale University School of the Environment <i>Committee: Peter Raymond, Jim Saiers, Tim Eglinton, Ben Twining</i> <i>“Dissolved Organic Matter Dynamics in a Large Temperate River”</i>	2017 –
MS	CUNY City College Earth and Atmospheric Sciences <i>Advisor: Maria Tzortziou</i> <i>“Microbial Degradation of Marsh-Exported Carbon”</i>	2015 – 2017
BS	Macaulay Honors College at CUNY City College	2011 – 2015

Research Experience and Collaborations

Watershed Rules of Life Project Student Researcher <i>Peter Raymond and Byron Crump</i> <ul style="list-style-type: none">Sample the Connecticut River, East River, Taylor River, and Gunnison River watersheds for DNA/RNA, bacterial cell counts, dissolved organic matter, nutrients, respiration, TSS and chlorophyll	2019
ETH Zürich, Lab of Tim Eglinton Visiting Student <i>Peter Raymond</i> <ul style="list-style-type: none">Prepare DOC samples for ^{14}C analysis using wet chemical oxidation	2019
Smithsonian Environmental Research Center Research Fellow <i>Supervisors: Patrick Neale, Patrick Megonigal, and Maria Tzortziou</i> <ul style="list-style-type: none">Perform bacterial incubations on DOM from various locations within the Rhode River	Summer 2016
Smithsonian Environmental Research Center Research Intern <i>Supervisor: Patrick Neale</i> <ul style="list-style-type: none">Measure and calculate DIC and DOC fluxes at the Kirkpatrick Marsh / Rhode River interface	Summer 2015
CUNY City College Undergraduate Research Assistant <i>Supervisor: Pengfei Zhang</i> <ul style="list-style-type: none">Analyze the effects of commonly-used antibiotics on nitrogen cycling in soils	2014 – 2015
CUNY City College Undergraduate Research Assistant <i>Supervisor: Steven Kidder</i>	2014 – 2015

- Model the concentration of titanium in metachert samples from the Alpine Fault, New Zealand

University of New Hampshire & Abisko Naturvetenskapliga Station | REU Summer 2014

Supervisors: Ruth Varner and Joel Johnson

- Sample 20 lakes in the Stordalen Mire, Sweden, and analyze lake water for dissolved methane and DIC

Fellowships & Grants

NASA Connecticut Space Grant	2019
<i>“Illuminating riverine dissolved organic carbon dynamics and export using carbon age”</i>	
Yale Institute of Biospheric Studies Grant	2018
Smithsonian Graduate Student Fellowship	2016
NOAA-CREST Graduate Student Fellowship	2015 – 2017

Committees & Organizations

YSE PhD Anti-Racism Network	2020 –
<ul style="list-style-type: none"> ▪ Advocate for anti-racist policies at YSE, including those that promote greater diversity, equity, and inclusion ▪ Analyze 10-year PhD student applicant demographics data 	
Yale Graduate Student Assembly Representative	2019 –
<ul style="list-style-type: none"> ▪ Attend YSE PhD student government (“DocComm”) meetings ▪ Advocate for YSE PhD student concerns around teaching assignments, healthcare, family support, professional development, and mentoring ▪ Documented the impacts of the COVID-19 pandemic on doctoral students and advocated for additional stipend support for all doctoral students impacted by the pandemic 	
Yale Graduate Student Health Advisory Committee	2019 – 2020
<ul style="list-style-type: none"> ▪ Created surveys documenting the healthcare concerns experienced by graduate students at Yale ▪ Advocated for an increase in the accessibility of IUD insertion procedures 	
YSE Student Affairs Committee Member, Student Life Division	2018 – 2019
<ul style="list-style-type: none"> ▪ Managed and approved funding for graduate student events ▪ Spearheaded the creation of a new application system for funding requests 	
YSE PhD Student Interest Group (SIG), Co-chair	2018 – 2019
<ul style="list-style-type: none"> ▪ Planned and hosted community-building events, including the annual doctoral retreat 	

- Created budgets with justifications, and requested funding for events

Teaching and Mentoring

Watershed Cycles and Processes Teaching Fellow <i>Yale University</i>	Fall 2019-20
Multivariate Statistics for the Environmental Sciences Teaching Fellow <i>Yale University</i>	Spring 2019
New Haven Promise Internship Research mentor/supervisor <i>Yale University</i>	Summer 2018
Featured in: <i>"New Haven Promise Inspires New 'Champions' for the Environment"</i>	
Internship Program Research mentor <i>Smithsonian Environmental Research Center</i>	Summer 2016

Publications

- Logozzo, L., Martin, J., Raymond, P. *In prep. Ferric iron impacts SUVA₂₅₄ measurements in natural waters.*
- Logozzo, L., Tzortziou, M., Neale, P. *In prep. Photochemical and microbial degradation of colored dissolved organic matter exported from tidal marshes.*
- DeVries, S., Loving, M., Logozzo, L., Zhang, P., Block, K. 2020. [*The Effects of Trace Narasin on the Biogeochemical N-Cycle in a Cultivated Sandy Loam.*](#) *Science of the Total Environment.*

Presentations

- Logozzo, L., Raymond, P. 2020. [*Seasonal variability in dissolved iron and dissolved organic matter in the Connecticut River.*](#) Talk. YSE Research Conference. New Haven, CT.
- Logozzo, L., Raymond, P. 2019. [*The Coupled Cycling of Dissolved Iron and Dissolved Organic Matter in the Connecticut River.*](#) Poster. YSE Research Conference. New Haven, CT. **Best poster award winner.**
- Logozzo, L., Raymond, P. 2019. *The Coupled Cycling of Dissolved Iron and Dissolved Organic Matter in the Connecticut River.* Talk. ASLO Aquatic Sciences Meeting. San Juan, Puerto Rico.
- Logozzo, L., Tzortziou, M., Neale, P. 2017. [*Dissolved Organic Matter Fate in Estuaries: Spatial Variations in Bioavailability and Photoreactivity.*](#) Poster. ASLO Aquatic Sciences Meeting. Honolulu, HI.
- Logozzo, L., Neale, P., Tzortziou, M., Nelson, N., Megonigal, P. 2016. [*Tidal Marshes as Pulsing Systems: New Estimates of Marsh-Carbon Export and Fate.*](#) Talk. AGU Ocean Sciences Meeting. New Orleans, LA.

- Logozzo, L., Kidder, S. 2015. *A model for mapping titanium concentrations in quartz using blue-wavelength cathodoluminescence and c-axis plunge*. Poster. Jeffrey Steiner Memorial Symposium. New York, NY.
- Logozzo, L., Devries, S., Zhang, P. 2015. *The effects of antibiotics on the nitrifying bacteria *Alcaligenes faecalis**. Poster. Jeffrey Steiner Memorial Symposium. New York, NY. **Best poster award winner.**
- Logozzo, L., Perry A., Wik, M., Thornton, B., Crill, P., Johnson, J., Varner, R. 2014. [*Linking Sediment Characteristics to Methane Emission Potential in Subarctic Lakes*](#). Poster. AGU Fall Meeting. San Francisco, CA