Laura Logozzo

PhD Candidate, Yale University
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Education

PhD — Yale University | School of the Environment — 2017 –
Committee: Peter Raymond, Jim Saiers, Tim Eglinton, Ben Twining
"Dissolved Organic Matter Dynamics in a Large Temperate River"

MS — CUNY City College | Earth and Atmospheric Sciences (EAS) — 2015 – 2017
Advisor: Maria Tzortziou
"Microbial Degradation of Marsh-Exported Carbon"

BS — Macaulay Honors College at CUNY City College | EAS — 2011 – 2015

Research Experience and Collaborations

Watershed Rules of Life Project | Student Researcher — 2019 –
Peter Raymond and Byron Crump
- 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

ETH Zürich, Lab of Tim Eglinton | Visiting Student — 2019
Peter Raymond
- Prepare DOC samples for ^{14}C analysis using wet chemical oxidation

Smithsonian Environmental Research Center | Research Fellow — Summer 2016
Supervisors: Patrick Neale, Patrick Megonigal, and Maria Tzortziou
- Perform bacterial incubations on DOM from various locations within the Rhode River

Smithsonian Environmental Research Center | Research Intern — Summer 2015
Supervisor: Patrick Neale
- Measure and calculate DIC and DOC fluxes at the Kirkpatrick Marsh / Rhode River interface

CUNY City College | Undergraduate Research Assistant — 2014 – 2015
Supervisor: Pengfei Zhang
- Analyze the effects of commonly-used antibiotics on nitrogen cycling in soils

CUNY City College | Undergraduate Research Assistant — 2014 – 2015
Supervisor: Steven Kidder

- 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
"Illuminating riverine dissolved organic carbon dynamics and export using carbon age"

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 –

- Advocate for anti-racist policies at YSE, including those that promote greater diversity, equity, and inclusion
- Analyzed 10-year PhD student applicant demographics data and presented to YSE faculty and staff

Yale Graduate Student Assembly Representative 2019 –

- 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 –

- 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

- 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

- Planned and hosted community-building events, including the annual doctoral retreat
- Created budgets with justifications, and requested funding for events

Teaching and Mentoring

The Physical Science of Climate Change | Teaching Fellow Spring 2021
Yale University

Watershed Cycles and Processes | Teaching Fellow Fall 2019/20
Yale University

Multivariate Statistics for the Environmental Sciences | Teaching Fellow Spring 2019
Yale University

New Haven Promise Internship | Research mentor/supervisor Summer 2018
Yale University
Featured in: *"New Haven Promise Inspires New 'Champions' for the Environment"*

Internship Program | Research mentor Summer 2016
Smithsonian Environmental Research Center

Publications

Logozzo, L., Martin, J., Raymond, P. *In prep. Contributions of ferric iron and dissolved organic matter to light absorption in natural waters.*

Logozzo, L., Tzortziou, M., Neale, P. Clark, B. *Accepted. Photochemical and microbial degradation of colored dissolved organic matter exported from tidal marshes.* Journal of Geophysical Research: Biogeosciences.

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. 2021. *Dissolved organic carbon cycling in rivers and estuaries.* Talk. CUNY City College, Earth and Environmental Sciences Seminar. Zoom.

Logozzo, L., Raymond, P. 2020. *Seasonal variability in dissolved iron and dissolved organic matter in the Connecticut River.* Talk. YSE Research Conference. Zoom.

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