

Lauren Schmahl

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Education

Queens College, City University of New York, Flushing, NY
Bachelor of Science (BS), Geology, expected Grad: Spring 2021

Queensborough Community College, Bayside, NY
Associate in Arts (A.A.), Grad: May 2017

- 2016 women's swimming Rookie of the Year.
- 2017 women's swim team captain and Women's Most Improved.

Research Experience

- Jan. 2019. Leg 2 of BRAVOSEIS expedition involved the deployment of OBS and mooring, seismic and bathymetry data collection in the Central Bransfield Basin, Antarctica.
- Jun. 2019. The first leg of the Visions 2019 expedition, involved using Jason to move and replace equipment apart of the Axial Cabled array off the coast of Orogen in the North Pacific.
- Feb. 2020 Leg 3 of BRAVOSEIS expedition involved the retrieval of OBS and mooring in the Central Bransfield Basin, Antarctica

Conference Presentations

HIS-STEM Bridges Across Eastern Queens: A Step to Diversify the Geosciences Major at Queens College at the City University of New York

American Geophysical Union, *Washington D.C.* - Fall 2018

Shaneeza Aziz, **Lauren Schmahl**, Eva Fernandez, Dax Soule, ED13C-0767

Deployment of an Amphibious Seismic Network in the Bransfield Strait, Antarctica

International Union of Geodesy and Geophysics, *Monteral* - Spring 2019

J. Almendros, R. Abella, E. Carmona, F. Agui, F. Carrion, X. Yuan, W. Wilcock, R. Wade, D. C. Soule, M. Schmidt-Aursch, R. Dziak, L. Roche, T. Kane, A. Gardner, D. Garcia-Quiroga, B. Heit, R. Sondershaus, E. Tesin, **L. Schmahl**, J. Natalie IUGG19-4324

Preliminary Results from a Marine Geophysics Survey over Submarine Volcanoes in the Bransfield Strait, Antarctica

International Union of Geodesy and Geophysics, *Monteral* - Spring 2019

L. Vizcaino, D. Martin-Jimenez, J. Almendros, D. C. Soule, W. Wilcock, O. Ardanaz, T. Teixido, I. Serrano, N. Sanchez, A. Ontiveros, E. Tesin, R. Sondershaus, **L. Schmahl**, J. Natalie IUGG19-2754

Comparing the Geomorphology of Bar-Arc Volcanoes to Orca Volcano

VolcaNYC, *New York* - Fall 2019

E. Tesin, **L. Schmahl**, J. Natalie, D. C. Soule

Geomorphological comparison of the seafloor volcanism in the Bransfield Basin volcanoes in other Back-Arc Basin settings

SCAR 2020, *Tasmania* (not presented) – Summer 2020

L. Schmahl, D.C. Soule, E. Tesin, W. S. D. Wilcock, Jose-Louis Granja-Bruña, J. Almendros, D. Martín Jiménez

Publications

Almendros, J., Wilcock, W., Soule, D., Teixidó, T., Vizcaíno, L., Ardanaz, O., ... & **L.Schmahl**. (2020). BRAVOSEIS: Geophysical investigation of rifting and volcanism in the Bransfield strait, Antarctica. *Journal of South American Earth Sciences*, 104, 102834.

Awards

- Felix Matos Rodriguez stipend for Spring 2021
- ConEdison STEEM Undergraduate Scholarship Spring 2021

Other Work Experience

Queens College HSI-STEM – January 2018 – May 2019

Peer Mentor

- Worked alongside students in introductory geology lecture and labs.
- Have office hours to answering to student inquiries, referring to library sources, explaining theory, helping with assignments, and recommending learning methods, and improve studying skills.

Queensborough Community College – October 2016- May 2017

Lifeguard

- Observing and organizing the activities of swimmers, enforcing applicable pool policies and regulations, rescuing swimmers in distress, and providing emergency care.

Trails End - Summer 2016

Head Swim Coach

- Organized programmed, and communicated schedules, deadlines, and important information for staff, swimmers, and parents to include practices and meets.
- Mentored, motivated, and managed over 70 swimmers ages 5 to 18.

Trails End - Summer 2015

Assistant Swim Coach

- Assisted in daily swim practices and weekly meets.
- Responsible for scheduling swimmers' events for weekly meets utilizing complex software systems.
- One of two coaches that coached over 70 children between the ages of 5 to 18.

References

- Dax Soule, Queens College - CUNY, (718) 997-5024 dax.soule@qc.cuny.edu
- William Wilcock, University of Washington, (206)-543-6043, wilcock@uw.edu