

Microbial Diversity and Activity in Antarctic Coastal Waters

Catherine Luria, PhD, Brown University



Dr. Luria is interested in the forces that shape natural microbial communities and how these in turn impact ecosystem function. Her research focuses on the marine microbial communities of the Western Antarctic Peninsula, a region that undergoes extreme light-driven seasonal transitions. She has examined how these transitions, especially spring sea-ice melt and phytoplankton blooms, drive changes in bacterial diversity and activity.

Luria et al. 2016. Seasonal succession of free-living bacterial communities in coastal waters of the western Antarctic Peninsula. *Front. Microbiol.* 7:1731.

Luria et al. 2014. Marine bacterial, archaeal and eukaryotic diversity and community structure on the continental shelf of the western Antarctic Peninsula. *Aquat. Microb. Ecol.* 73:107.



Division of Marine & Natural Sciences

Wednesday, March 1st

4:00 – 5:00 pm

MNS 200