Queens College, School of Earth and Environmental Science, Spring 2026 Colloquium
Remote presentation by zoom (see below for zoom link)
<u>Speaker will be remote</u>, and therefore participation will only be by zoom
Wednesday March 11 th, 12:15-1:30pm

Title: ***"Perils and Triumphs of Coring Seymour Island, Antarctica". (a remote seminar)***

Dr. Adriane Lam, Assistant Professor, Department of Earth Sciences
Binghamton University

Abstract: Throughout the Late Cretaceous, massive volcanic eruptions, called Deccan volcanism, occurred on India, spewing carbon dioxide and methane into the atmosphere. The massive amounts of greenhouse gases associated with Deccan volcanism can be used as an analogue for current and future anthropogenic warming scenarios. In the austral summer of 2026, a team of 12 sailed to Seymour Island, Antarctica, an island that contains phenomenal marine rocks and sediments that were deposited during the time of Deccan volcanism. The team will analyze these microfossils and sediments to determine how marine plankton responded to warming caused by Deccan volcanism to understand how such communities may change under future warming scenarios. This talk will provide insight into the Late Cretaceous world, the motivation behind the research, and our journey to and from Seymour Island, Antarctica.

Bio: Dr. Adriane Lam is an Assistant Professor at Binghamton University. She specializes in planktic foraminiferal, and has sailed with three International Ocean Discovery Program expeditions to the Tasman Sea, Southwest Atlantic, and Arctic. She also conducts research in Paleozoic marine invertebrates to understand how they dispersed across the globe and the abiotic drivers of evolution and extinction. The Seymour Island adventure is her first research foray into the Mesozoic! Adriane is also Co-President of the educational non-profit organization, Time Scavengers, with the goal of providing more accessible information regarding climate change and evolutionary theory to learners of all ages and supporting the next generation of Earth scientists.

Join Zoom Meeting Info: Time: Mar 11, 2026 12:15 PM EST
https://us02web.zoom.us/j/83904676468?pwd=qLDvbYNu9SsbRM12cfROfg10gbFefb.1
Meeting ID: 839 0467 6468. Passcode: 559769
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