



ATOC COLLOQUIUM

Welcome!

Please join us for the next ATOC Colloquium on **Friday, September 20** from **11:00 AM–12:00 PM**, which will be held in **SEEC S228 and simulcast over Zoom**. This week's colloquium features **Dr. Molly Keogh (Oregon State University)**. Please join us for conversation beginning at 10:45 AM and stay for lunch afterwards.

On a one-way trip north: The Arctic Basin as a sediment sink

As high-latitude environments rapidly evolve, tracking warming-induced changes in sedimentation rate is key to understanding patterns of carbon sequestration. In temperate and tropical regions, sediments are effectively aged using short-lived radioisotopes. In polar regions, however, one of the most reliable and commonly used radioisotopes, Pb-210, has yielded mixed utility for studies of sedimentation. In this talk, I will dig into Pb-210 analyses to understand sediment bypass on the Arctic continental shelf, explore deposition in deeper environments, and build a sediment budget for the Arctic Basin.



Location: SEEC S228 & Zoom

Zoom:

<https://cuboulder.zoom.us/j/96503809060>

Password: ATOC

About the ATOC Colloquium

The Department of Atmospheric and Oceanic Sciences (ATOC) Colloquium is typically held **every other Friday** from **11:00 AM–Noon**. Colloquia alternate between the following formats: (A) Full-length talk by a faculty member or invited speaker, (B) Three conference-length talks by graduate students. If you would like to nominate a speaker (including self), please email the ATOC Colloquium Committee Chair, Prof. Jianghanyang (Ben) Li (Jianghanyang.li@colorado.edu). Please visit www.colorado.edu/atoc/colloquium for further details.