School of Earth and Environmental Sciences
Colloquium Series

Wednesday, November 4th, 2020
12:15 – 1:30 PM
Zoom Link:
https://us02web.zoom.us/j/88563276813

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Title: The North Atlantic Biological Pump; Insights from the Ocean Observatories Initiative Irminger Sea Array

The biological pump plays a key role in the global carbon cycle by transporting photosynthetically fixed organic carbon into the deeper ocean, where it can be sequestered from the atmosphere over annual or longer time scales if exported beneath the winter ventilation depth. This discussion will focus on the competition between the spring diatom bloom and the deep winter mixing that impacts the resulting winter ventilation of respired carbon.