

The Geological Society of Washington

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Speaker BIOS

Meeting No. 1583 (11/16/2022)



Lyle Nelson, Department of Earth Sciences, Carleton University

Dr. Nelson is a sedimentary geologist whose research focuses on constraining the co-evolution of life and surface environments across pivotal transitions in Earth history, such as biological extinctions/radiations and perturbations to ocean chemistry and climate. Before joining the Department of Earth Sciences at Carleton University as an assistant professor, he received his BA from the Harvard University Department of Earth and Planetary Sciences and his PhD from the Johns Hopkins University Department of Earth and Planetary Sciences, where he studied integrated stratigraphy of the Ediacaran-Cambrian boundary and Neoproterozoic glaciations.



Sean Gaynor, Department of Geosciences, Princeton University

Dr. Gaynor is an Associate Professional Specialist at Princeton University. He is a researcher who is motivated to better understand the rates and sources of geologic processes from a variety of sub-disciplines through a combination of radiogenic isotope geochemistry and geochronology. Sean's research interests include large igneous provinces, batholith formation, supervolcano eruptions, igneous petrology, global climate change in deep time, economic geology, thermochronology, extensional tectonics and the development of high-precision geochronology.



Nicholas Tailby, American Museum of Natural History

Dr. Tailby is a Research Fellow and Postgraduate advisor at the American Museum of Natural History in New York City. His research is split between loyalties to experimental petrology (i.e., making rocks in the laboratory to study themes like thermodynamics, phase equilibria and diffusion) and the study of natural samples (including themes like how and when metamorphic/igneous systems develop specific geochemical signatures).