Lisa Hlinka, The Graduate Center, CUNY, New York, NY for her project: Constraining Timescales of Magma Storage and Ascent, and Potential Climate Impacts of the Columbia River Flood Basalt Volcanism

Lisa Hlinka is a 2nd year PhD student in the School of Earth & Environmental Sciences at The Graduate Center-City University of New York (CUNY), working with co-advisors, Dr. Marc-Antoine Longpré and Dr. Benjamin Black.

Lisa received a B.S. in geology from Stony Brook University in 2012 and a M.A.T. in Earth Science Education from the American Museum of Natural History in 2013. After which, she enjoyed working for four years as a high-school Earth science teacher in New York City. While teaching her students about exciting Earth Science topics, Lisa decided that she too wanted to contribute to scientific research. Thus, Lisa returned to graduate school in 2017 to pursue a M.A. at Queens College, CUNY, where she engaged in research to study eruptive style controls of Masaya Volcano. Then, Lisa began her Ph.D. research at The Graduate Center in 2019, to research the Columbia River Basalt Group, the youngest and best-preserved Large Igneous Province on Earth.

Lisa is grateful for the financial support received from GSA’s Lipman Foundation and MGPV Division; the Lipman Award will directly benefit her academic and professional career by funding the field work portion of her research. Lisa will collect relevant samples from the Columbia River Basalt Group in the U.S. Pacific Northwest. Then she will utilize methods in diffusion chronometry and melt inclusion studies to constrain timescales, physio-chemical conditions, and depths of magma storage, as well as volatile budget throughout the evolution and emplacement of the Columbia River Basalt Group.