Lisa Grohn, University of Rochester, for her proposal: *Petrogenesis and eruptive history of xenolith-bearing magmas in the north Andean volcanic zone: insight for lower-crust processes in active continental arcs*

Lisa is a PhD candidate at the University of Rochester, NY, where she is working with Dr. Mauricio Ibanez-Mejia to investigate a potential case of modern crustal foundering. She is focusing on a peculiar volcanic tuff in the Andean Northern Volcanic Zone, Colombia, which hosts an unparalleled load of garnet-rich lower-crust and mantle xenoliths. Lisa is excited to reconstruct the tuff’s eruptive history and the *P-T-t* pathway of the xenoliths using various geochemical and geochronological tools. With this award, she plans to study the petrography, thermobarmetry, and major and trace element geochemistry of basaltic juvenile magmatic bombs that host the xenoliths.

Lisa received her B.S. from St. Lawrence University, NY, with a double major in geology and chemistry. During this time, she studied a suite of mafic dikes in the Canadian Shield and continued to explore the Adirondack Mountains where she fell in love with nature as a kid. Following graduation, Lisa worked a summer for the U.S. Forest Service monitoring oil and gas wells in the Wayne National Forest, OH through GeoCorps America. On the side, she loves to run and is building a Tiny House. She would like to thank the MGPV division for their support to continue her passion and advance our understanding of Earth’s processes.