

Rafael Avalos Alejandro Rodolfo, Universidad Nacional Autónoma de México, Mexico City, Mexico City, Mexico for their project: *Metallogenic study of the East Camp Douglas Gold Prospect, Great Basin, Nevada, USA Basin*.

I am a second-year M.Sc. student at the Institute of Geology of the National Autonomous University of Mexico (UNAM), working under the supervision of Dr. Néstor Cano. I earned my bachelor's degree in Geological Engineering, with a thesis focused on the mineralogy of the silver-rich Fresnillo mining district, where I also completed a one-month internship. I have also worked as a Mineralogy instructor, as divulgation and teaching are some of my main interests.

My current research focuses on understanding the processes that led to the alteration and mineralization of a gold-bearing silicified lithocap in the Mina Deflection, a complex structural domain within the central Walker Lane, Nevada. To achieve this goal, we conducted two field work campaigns, sampling along the main lithocap facies. Thin, polished and doubly polished sections preparations for petrography, mineragraphy, fluid inclusion studies and SEM-BSE imaging were prepared. Sulphur isotopes studies will also aid our interpretation of the hydrothermal system evolution.



The Lipman Research Award will help support the analytical costs of these techniques, as well as travel for additional fieldwork and to present my results once we finish the research.

To receive this Award is both encouraging and humbling. I am very grateful to the Howard and Jean Lipman Foundation and to the Geological Society of America for supporting research like this, and for the many other activities and events they organize to make the Earth sciences an engaging and accessible field. Thank you!