



NMSU Department of Geological Sciences

Fall 2023 Colloquium Wednesdays 4-5 pm in Gardiner Hall Room 229

- 9/6/23 **Faculty Research Intro**
- 9/13/23 **Alicia Mount** (*University of Oklahoma*): “Provenance and paleoclimatic significance of the Neoproterozoic Manyovu redbeds, western Tanzania”
- 9/20/23 **Vanessa Swenton** (*Portland State University*): “Filling critical gaps in the space-time record of High Lava Plains and co-Columbia River Basalt rhyolite volcanism”
- 9/27/23 **Lee Hughes** (*NMSU Graduate Student*): "Geochemical Changes in the Uvas Volcanic Field: Insights for Rio Grande Rift Evolution"
- 10/4/23 *****No Colloquium** (*NMGS Fall Field Conference*)
- 10/11/23 **Veronica Prush** (*New Mexico Tech*): "Mechanical conditions for throughgoing rupture of fault complexities: A case study from the Altyn Tagh fault, northwest China"
- 10/18/23 *****No Colloquium** (*GSA Annual Meeting*)
- 10/25/23 **Jay Chapman** (*UTEP*) “The Arizonaplano: crustal thickening and Himalayan-like anatexis in the southern North American Cordillera during the Laramide Orogeny.”
- 11/1/23 **Amit Millo** (*NMSU Graduate Student*): “Using structure from motion as a geologic mapping tool in the Redrock region of New Mexico to understand the Proterozoic history of the Mazatzal Province.”
- 11/8/23 **Sarah George** (*University of Oklahoma*): Earth's surface response to ridge subduction: An example from the Peruvian Andes
- 11/15/23 **David Young** (*UTEP*): “Stopping Plate Tectonics: Continental Collision in the Scandinavian Caledonides and the Himalaya”
- 11/22/23 *****No Colloquium** (*Thanksgiving*)
- 11/29/23 **Thomas Valenzuela** (*NMSU Graduate Student*): “Constraining Depositional history, stratigraphic relationships, and provenance from Eocene synorogenic strata of the San Jose Formation, east-central San Juan Basin, northwestern New Mexico”