



## NMSU Department of Geological Sciences

### Fall 2019 Colloquium Wednesdays 4-5 pm in Gardiner Hall Room 230

- 08/28/19 *Graduate Student Orientation (Room 118) Note: Not open to the public*
- 09/04/19 **Peter Fawcett** (University of New Mexico)  
*Continental Scientific Drilling in the Southwest for Long Quaternary Paleoclimate Records*
- 09/11/19 **Marianne Karplus** (UTEP)  
*Structure of the Main Himalayan Thrust in Nepal from Aftershock Recordings Following the M7.8 2015 Gorkha Earthquake*
- 09/18/19 **Sean Gaynor** (UNC Chapel Hill, Currently at U. Geneva, Switzerland)  
*An Explosive Introduction to Metal: Understanding the Transition from Ignimbrite Volcanism to Porphyry Intrusions in the Questa-Latir Region, New Mexico*
- 09/25/19 **No Colloquium:** GSA Phoenix
- 10/02/19 **Eric Gottlieb** (Stanford, Currently at Kaiser-Francis Oil Company)  
*Deep Crust History of East-Central Nevada Using Zircon Xenocryst Petrochronology*
- 10/09/19 *Faculty Research Overview*
- 10/16/19 **Melanie Barboni** (Arizona State University)  
*How Do Volcanoes work? Reconciling Cold and Warm Storage*
- 10/23/19 **Amy East** (U.S. Geological Survey, Santa Cruz)  
*Dams and Dam Removal in the Western U. S.*
- 10/30/19 **Jacob Piper** (NMSU Graduate Student)  
*Developing Laser-Induced Breakdown Spectroscopy (LIBS) to Identify Detrital Heavy Minerals for Correlating Trends in Basin Provenance*
- 11/06/19 **Justin Rubenstein** (U.S. Geological Survey, Menlo Park)  
*Induced Seismicity in New Mexico and Across the United States*  
SPONSORED BY THE SOUTHERN RIFT INSTITUTE
- 11/13/19 **Ken Ridgway** (Purdue University)  
*Cenozoic Flat-Slab Subduction Processes and the Tectonic Development of Southern Alaska/STEM Engagement with Native American Students and Their Communities*
- 11/20/19 **Shay Ridl** (NMSU Graduate Student)  
*Deciphering Late-Stage, Plio-Early Pleistocene Drainage Evolution of the Ancestral Rio Grande River in the Central and Southern Rio Grande Rift, New Mexico*
- 11/27/19 **No Colloquium:** Thanksgiving
- 12/04/19 **Karissa Vermillion** (NMSU Graduate Student)  
*Spatial and Temporal Variations of Eocene-Oligocene Caldera Volcanism in Southern New Mexico*