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Postdoc: Geophysical Laboratory  
Ph.D. UCLA  
M.A. Columbia  
B.A. Florida

Courses taught:

Mineralogy and Crystallography  
Optical Mineralogy  
Geochemistry  
Igneous and Metamorphic Petrology

Research interests:

Hydrothermal abiotic organic synthesis  
Fluid-rock interaction  
Non-traditional stable isotope geochemistry  
Serpentinization  
Experimental petrology  
Redox geochemistry

Selected publications:

Lazar C., Cody G.D., and Davis J.M. (2015) A kinetic pressure effect on the experimental abiotic reduction of aqueous CO<sub>2</sub> to methane from 1 to 3.5 kbar at 300 °C. *Geochimica et Cosmochimica Acta*, 151, 34-48.

Young E.D., Manning C.E., Schauble E.A., Shahar A., Macris C.A., Lazar C., and Jordan M. (2015) High-temperature equilibrium isotope fractionation of non-traditional stable isotopes: experiments, theory, and applications. *Chemical Geology*, 395, 176-195.

Lazar C., Zhang C., Manning C.E., and Mysen B.O. (2014) Redox effects on calcite-portlandite-fluid equilibria at forearc conditions: carbon mobility, methanogenesis, and reduction melting of calcite. *American Mineralogist* (notable paper), 99, 1604-1615.

Lazar C., Young E.D., and Manning C.E. (2012) Experimental determination of equilibrium nickel isotope fractionation between metal and silicate from 500 °C to 950 °C. *Geochimica et Cosmochimica Acta*, 86, 276-295.

Lazar C., McCollom T.M., and Manning C.E. (2012) Abiogenic methanogenesis during experimental komatiite serpentinization: implications for the evolution of the early Precambrian atmosphere. *Chemical Geology*, 326-327, 102-112.

Lazar C., Walker D., and Walker R.J. (2004) Experimental partitioning of Tc, Mo, Ru, and Re between solid and liquid during crystallization in Fe-Ni-S. *Geochimica et Cosmochimica Acta*, 68, 3, 643-651.