



PRESIDENTIAL DOCTORAL RESEARCH FELLOWSHIP

in Low-temperature Geochemistry

The Department of Geosciences at Utah State University seeks outstanding PhD applicants for a Presidential Doctoral Research Fellowship (PDRF) in low-temperature geochemistry starting fall 2021. Specific thesis topics will be tailored to fit individual student interests, but could include the interaction of past and/or present biogeochemical cycling with climate and the carbon cycle, or the geochemistry of fluid-rock interactions in fault zones and tectonic boundaries.

The selective fellowship provides a PhD student the opportunity to work on cutting-edge research, tackling projects that require cross-disciplinary field, laboratory, and modeling approaches. Fellows will benefit from USU Geoscience's state-of-the-art laboratory facilities, including Stable Isotope Ratio Mass Spectrometry Lab, ICP Mass Spectrometry Lab (with laser ablation capabilities), Luminescence Geochronology Lab, Raman spectroscopy lab, X-ray lab, and USU's Microscopy Core Facility. The USU Department of Geosciences has 16 faculty and USU is the land-grant and space-grant university for Utah. USU is located in Logan in beautiful northern Utah, surrounded by the Bear River Range and Wasatch Mountains, with excellent outdoor field and recreational opportunities. Please visit our website for more information about our research program and to identify potential advisors and projects at <https://geo.usu.edu/>.

The PDRF includes 4 years of support, a competitive stipend at \$24,000/year with full tuition and subsidized healthcare (total package includes over \$40k/year of support). Strong candidates must have competitive GPA and excellent letters of recommendation. We especially encourage applications from diverse candidates and our department is proactive in steps toward equity and inclusivity -- note that GRE scores are not required. Applications are due before January 11th, 2021 at <https://gradschool.usu.edu/>. Contact donald.penman@usu.edu and/or dennis.newell@usu.edu with questions.