

NSF-REU UNDERGRADUATE RESEARCH OPPORTUNITIES SUMMER 2023

The Keck Geology Consortium announces the following projects for SUMMER 2023 and encourages students to review the projects on our website: keckgeology.org. See website for application information.

APPLICATION DEADLINE: 15 FEBRUARY 2023

2023 Gateway Research Projects

(for rising sophomores with interest in science)

GEOCHEMICAL CONTROLS ON URANIUM CONTAMINATION OF GROUNDWATER IN THE CENTRAL VALLEY AND HIGH PLAINS AQUIFER SYSTEMS

Dr. Brady Ziegler (Trinity University); 4 students; 11 June – 16 July, 2023

THE IMPACT OF LARGE FLOODS ON FLUVIAL SYSTEMS IN NORTHERN YELLOWSTONE NATIONAL PARK

Dr. Lyman Persico (Whitman College); 5 students; 17 July – 18 August, 2023

2023-24 Advanced Research Project

(for rising seniors majoring in the earth sciences)

STRUCTURAL EVOLUTION OF A SEGMENTED NORMAL FAULT TRANSFER ZONE, SEVIER FAULT, SOUTHERN UTAH

Dr. Ben Surpress (Trinity University); 5 students; 18 June – 20 July 2023

YOUNG EYES ON OLD ROCKS: EVALUATING TECTONIC MODELS FOR NEOARCHEAN(?) BASIN FORMATION IN THE METAMORPHIC CORE OF THE BLACK HILLS, SOUTH DAKOTA

Dr. Trevor Waldien (South Dakota Mines); 4 students; 17 July – 11 Aug, 2023

INTEGRATED STRATIGRAPHIC AND PALEOENVIRONMENTAL STUDY OF THE MIDDLE-LATE DEVONIAN CARBONATE TO BLACK SHALE TRANSITION IN THE MICHIGAN BASIN

Dr. Jay Zambito (Beloit College) and Dr. Peter Voice (Western Michigan University); 9 students; 06 July – 02 Aug, 2023

Note: the projects planned for 2023-24 are specially designed to maximize safety, learning, and flexibility during the COVID-19 pandemic. Please be aware that the detailed nature and timing of some research activities might need to be adjusted based on evolving recommendations by federal, state, and academic institutions.

Keck Geology Consortium encourages applications from students from non-majority groups.

See keckgeology.org or contact us at info@keckgeology.org for further information