

## **NSF-REU UNDERGRADUATE RESEARCH OPPORTUNITIES SUMMER 2020**

The Keck Geology Consortium announces the following projects for SUMMER 2020 and encourages students to review the projects on our website: [keckgeology.org](http://keckgeology.org). All project dates are tentative (please check website for updates). Application instructions are on the website.

**APPLICATION DEADLINE: 15 FEBRUARY 2020**

### **2020 Gateway Research Projects**

(for rising sophomores with interest in science)

#### **BIOGEOCHEMICAL CONTROLS ON NATURAL AND ANTHROPOGENIC GROUNDWATER CONTAMINANTS IN CALIFORNIA'S CENTRAL VALLEY**

Dr. Brady Ziegler (Trinity University) and Dr. Aric Mine (California State University, Fresno); 8 students; June 15 – July 19, 2020

#### **LANDSCAPE AND ENVIRONMENTAL CHANGE IN GLACIER NATIONAL PARK, MONTANA**

Dr. Kelly MacGregor (Macalester College), Dr. Dan Maxbauer (Carleton College), and Dr. Amy Myrbo (geoscience and diversity consultant); 7 students; July 6 – August 7, 2020 (tentative)

#### **THERMAL IMAGING TO CHARACTERIZE THE SPATIAL DISTRIBUTION OF TEMPERATURE IN FRESHWATER SPRINGS IN WISCONSIN**

Dr. Sue Swanson (Beloit College); 4 students; 01 June – 03 July, 2020

### **2020-21 Advanced Research Projects**

(for rising seniors majoring in the earth sciences)

#### **HOW MANY CALIFORNIA MESOZOIC SUBDUCTION CYCLES? 1, 2, OR 3?**

Dr. Zeb Page (Oberlin College) and Dr. Jade Star Lackey (Pomona College); 8 students; June 16– July 15, 2020

#### **IDENTIFYING MAJOR CONTROLS ON SOIL AND GROUNDWATER CONTAMINATION IN THE SHENANDOAH VALLEY & SOUTHWEST VIRGINIA**

Dr. Margaret Anne G. Hinkle (Washington & Lee University) and Dr. Anna Lindquist (Macalester College); 8 students; June 21 – July 18, 2020 (tentative)

Keck Geology Consortium programs are open to US citizens, US nationals, or permanent residents of the United States currently enrolled in undergraduate studies leading to a baccalaureate degree. Minorities and students from institutions with limited undergraduate research opportunities are encouraged to apply.

See [keckgeology.org](http://keckgeology.org) or contact us at [info@keckgeology.org](mailto:info@keckgeology.org) for further information