

## **NSF-REU UNDERGRADUATE RESEARCH OPPORTUNITIES SUMMER 2019**

The Keck Geology Consortium announces the following projects for SUMMER 2019 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 2019**

### **2019-20 Gateway Research Projects**

(for rising sophomores with interest in science)

#### **RESILIENCE AND DECLINE: ARE WE AT A TIPPING POINT FOR ENDANGERED ACROPORA SP. CORALS IN BELIZE?**

Dr. Lisa Greer (Washington and Lee University) and Dr. Karl Wirth (Macalester College)

8 students; 14 June – 18 July

#### **EXPLORING LATE CRETACEOUS WETLAND ECOSYSTEMS: DINOSAURS AND VERTEBRATE MICROFOSSILS IN MONTANA**

Dr. Raymond Rogers and Dr. Kristi Curry Rogers (Macalester College)

8 students; 10 June – 12 July

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

Dr. Sue Swanson (Beloit College); 4 students; 01 July – 02 August

### **2019-20 Advanced Research Projects**

(for rising seniors majoring in the earth sciences)

#### **BODY SIZE EVOLUTION OF THE FIRST MAMMALIAN MEGAHERBIVORE DURING PALEOGENE HYPERTHERMAL EVENTS, WYOMING**

Dr. Michael D'Emic (Adelphi University) and Dr. Simone Hoffmann (New York Institute of Technology); 6 students; 14 June – 10 July

#### **USING 3D PETROGRAPHY OF MICROLITES AND BUBBLES IN OBSIDIAN TO ASSESS FACTORS GOVERNING ERUPTIVE STYLE FOR RHYOLITIC MAGMAS**

Dr. Kurt Knesel (Trinity University); 4 students; 15 June – 13 July

#### **AN ANALYSIS OF CHANNEL GEOMETRY AND GEOMORPHIC HISTORY OF TWO RIVERS IN NORTHERN YELLOWSTONE NATIONAL PARK**

Dr. Lyman Persico (Whitman College); 4 students; 15 June – 15 July

The Keck Geology Consortium encourages applications from students from non-majority groups. See [keckgeology.org](http://keckgeology.org) or contact us at [info@keckgeology.org](mailto:info@keckgeology.org) for further information