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Amherst College

Beloit College

Carleton College

Colgate University

The College of Wooster

The Colorado College

Franklin & Marshall College

Mt Holyoke College

Macalester College

Oberlin College

Pomona College

Smith College

Trinity University

Union College

*Washington and Lee
University*

Wesleyan University

Whitman College

Williams College

NSF-REU UNDERGRADUATE RESEARCH OPPORTUNITIES, SUMMER 2012

With funding from the National Science Foundation Research Experiences for Undergraduate Programs (REU), the Keck Geology Consortium announces the following projects for SUMMER 2012 and encourages students to review the projects on our website: keckgeology.org. All project dates are tentative (please check website for updates). Application instructions are on the website.

APPLICATION DEADLINE: FEBRUARY 3rd, 2012

South-Central Alaska - *Tectonic evolution of the flysch of the Chugach terrane, south central Alaska*: Cam Davidson (Carleton College), John Garver (Union College): Dates: 18 June - 14 July 2011 (tentative)

Northeast Oregon - *Middle to Late Miocene eruptive and climatic history in the Grande Ronde Valley, Northeast Oregon*: Nicholas Bader & Kirsten Nicolaysen (Whitman College): Dates: 11 July-7 August, 2012

Catalina Island, CA - *Metasomatism and the tectonics of Santa Catalina Island: Testing new and old models*: Zeb Page (Oberlin College), Emily Walsh (Cornell College): Dates: 8 July- 6 August, 2012 (tentative)

Matanuska Valley, Alaska - *Paleoecology and paleoclimate of the Paleogene Chickaloon, Matanuska Valley, Alaska*: Chris Williams (Franklin & Marshall College), David Sunderlin (Lafayette College): Dates: 1 July-28 July 2012 (tentative)

Colorado Front Range - *Interdisciplinary studies in the critical zone, Boulder Creek catchment, Front Range, Colorado*: David Dethier (Williams College): Dates: 11 July-8 August.

Bivalve Geochemistry: Hell Creek Montana - *Biogeochemical carbon cycling in fluvial systems from bivalve shell geochemistry--using the modern to understand the past*: David Gillikin (Union College), David Goodwin (Denison University): Dates: 1 July-28 July, 2012 (tentative)

Snake Range, Nevada - *Cretaceous to Miocene evolution of the northern Snake Range metamorphic core complex: Assessing the slip history of the Snake Range Decollement and spatial variations in the timing of footwall deformation, metamorphism, and exhumation*: Martin Wong (Colgate Univ.), Phil Gans (Univ. of California, Santa Barbara): Dates: July 20 to August 18, 2012

Clear Lake, Wisconsin - *The role of groundwater in the flooding history of Clear Lake, Wisconsin*: Susan Swanson (Beloit College), Justin Dodd (Northern Illinois University) Dates: 8 July-4 August, 2012

Western Ireland - *Paleoenvironmental records and early diagenesis of marl lake sediments: A case study from Lough Carra, western Ireland*: Anna Martini (Amherst College), Tim Ku (Wesleyan University): Dates: 11 July-8 August, 2012

~30% of student participants will be from non-Keck Geology Consortium Institutions
The Keck Geology Consortium encourages applications from students from groups underrepresented in the Earth Sciences (website: keckgeology.org)