# 24th Keck Geology Consortium Undergraduate Research Symposium
## Union College
### Saturday April 16, 2011

## Presentation Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>7:45 – 8:00</td>
<td>Morning posters (Mongolia, Glacier, Panama, Big Sky) should be hung in Ballroom 106/108</td>
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<tr>
<td>8:00-8:10</td>
<td>Welcome and Introductions&lt;br&gt;Bob Varga and Holli Frey</td>
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<td>8:10-8:55</td>
<td><strong>Mongolia</strong>&lt;br&gt;Lake Hovsgol: An Integrative Natural Laboratory for Quaternary Tectonics, Glaciation, and Climate Change in Northern Mongolia&lt;br&gt;&lt;br&gt;<strong>Project Directors:</strong> Amgalan B Bayasgalan (Tethys Mining LLC &amp; Mongolian University of Science and Technology), Kurt Frankel (Georgia Institute of Technology), Anne Meltzer (Lehigh University), Karl Wegmann (North Carolina State University)&lt;br&gt;&lt;br&gt;<strong>Students:</strong> Briana Berkowitz, Melissa Cross, Daniel Rothberg, Andrew Zuza, Kristin Taddei, Afshan Shaikh, Lauren Michaels, Daena Charles, Gabrielle Vance, Bilguun Bayanmunkh, Tsagaanna Erdenebayar, Esu Ganbold</td>
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<td>8:55-9:30</td>
<td><strong>Glacier</strong>&lt;br&gt;Geomorphologic and Paleoenvironmental Change in Glacier National Park, Montana&lt;br&gt;&lt;br&gt;<strong>Project Directors:</strong> Kelly MacGregor (Macalester) and Catherine Riihimaki (Drew University)&lt;br&gt;&lt;br&gt;<strong>Students:</strong> Sarah Matteson, Perry Oddo, Jacqueline Kutvirt, Jonathan Griffith, Hannah Bourne, Clark Simcoe, Emma Locatelli</td>
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<td>9:30-9:40</td>
<td>Break</td>
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<td>9:40-10:05</td>
<td><strong>Panama</strong>&lt;br&gt;Early Holocene Edifice Failure and Sector Collapse of Volcan Baru, Panama&lt;br&gt;&lt;br&gt;<strong>Project Directors:</strong> Tom Gardner (Trinity) and Kristen Morell (Penn State)&lt;br&gt;&lt;br&gt;<strong>Students:</strong> Shannon Brady, Logan Schumacher, Hannah Zellner</td>
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<td>10:05-10:40</td>
<td><strong>Big Sky</strong>&lt;br&gt;Exploring the Proterozoic Big Sky Orogeny in Southwest Montana&lt;br&gt;&lt;br&gt;<strong>Project Directors:</strong> Tekla Harms (Amherst), John Brady (Smith), Jack Cheney (Amherst)&lt;br&gt;&lt;br&gt;<strong>Students:</strong> Kristina Doyle, Danielle Lerner, Alianora Walker, Parker Hayes, Caleb Lucy, Jesse Davenport</td>
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<td>10:40-12:00</td>
<td>Posters (Mongolia, Glacier, Panama, and Montana)</td>
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<td>12:00-1:00</td>
<td>Lunch</td>
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<td>12:00-12:15</td>
<td>Remove morning posters and put up afternoon posters in Ballroom 106/108</td>
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<tr>
<td>Time</td>
<td>Project Introductions</td>
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| 1:00-1:50   | **Bighorns**
              *Formation of basement-involved foreland arches: Integrated structural and seismological research in the Bighorn Mountains, Wyoming*

**Project Directors:** Christine Siddoway and Megan Anderson (Colorado College); Eric Erslev (Univ. Wyoming)

**Students:** Drew Thayer, Bryan McAtee, Elizabeth Dalley, Molly Chamberlin, Triana Ufret, Brennan Young, Charles, David Oakley Trexler, John Hornbuckle

1:50-2:25   | **Sierras**
              *Pluton-Wallrock Interactions in the Sequoia Region: Evaluating Crustal Contamination in the Early Sierran Arc*

**Project Directors:** Jade Star Lackey (Pomona) and Staci Loewy (CSU Bakersfield)

**Students:** Stanley Hensley, Julianne Wallan, Jesslyn Starnes, Mary Badame, Megan D’Errico, Julia Holland

2:25-2:50   | **Connecticut**
              *Sediment Dynamics & Environments in the lower Connecticut River*

**Project Director:** Suzanne O’Connell (Wesleyan)

**Students:** Gabriel Romero, Kara Jacobacci, Lynn Geiger

2:50-3:00   | **Break**

3:00-3:35   | **Colorado**
              *Interdisciplinary studies in the Critical Zone, Boulder Creek catchment, Front Range, Colorado*

**Project Directors:** David Dethier (Williams) and Will Ouimet (Amherst)

**Students:** Erin Camp, Cianna Wyshnytzky, Corey Shircliff, Kathleen Warrell, Ellen Maley, Hayley Corson-Rikert, Evan Dethier, Keith Kantack, James McCarthy

3:35-4:00   | **Tetons**
              *Eocene Tectonic Evolution of the Teton Range, Wyoming*

**Project Director:** John Craddock (Macalester)

**Students:** Thomas McGaughey, Katharine Kravitz

4:00-5:15   | **Posters** (Bighorns, Sierras, Connecticut, Colorado, Tetons)

5:30 – 6:30 | **Reception**

6:30        | **Banquet**
              **Introductions:** Don Rodbell Chair of Geology (Union)
              **Welcome to Union:** President Stephen Ainlay

~7:30       | **Keynote**
              **Introduction:** John Garver
              **Prof. Mark T. Brandon (Yale University)**
              *On Making Mountains: The Interaction between Subduction, Accretion, and Erosion*