

**Dynamic Earth in the 21st Century:  
Undergraduate research on the evolution of Earth's interior, surface and climate**

- What processes drive climate change and what are the likely conditions of Earth's future climate?
- How do humans interact with the chemistry of the atmosphere?
- What factors control volcanic eruptions and produce earthquakes?
- What is the structure of Earth's tectonic plates and what processes drive plate motions, mountain building, and continental break-up?
- What are missions to planets such as Mars revealing about planetary environments and how planetary interiors evolve?

Come to Brown University this summer to engage in cutting-edge research on these and other questions!

For more information on potential projects and faculty mentors for the summer of 2020, check out our [website \(https://deepsoutreach.brown.edu/deeps-leadership-alliance-reu/\)](https://deepsoutreach.brown.edu/deeps-leadership-alliance-reu/) and scroll down.

These summer undergraduate research internships are sponsored by the [Department of Earth, Environmental and Planetary Sciences \(DEEPS\)](#) and the [Leadership Alliance](#) at Brown.

**The 9-week internships provide:**

- Hands-on research experience, with mentoring from Brown faculty in a supportive learning environment;
- A \$5400 stipend;
- Housing in a Brown dorm and round-trip travel at no cost;
- Professional development and graduate school/career guidance;
- Social activities and excursions;
- The opportunity to present your research at the [Leadership Alliance National Symposium](#) and the Summer Research Symposium at Brown, and the possibility of presenting your research at a national science meeting such as the [American Geophysical Union Fall Meeting](#).

We encourage applications from undergraduates with majors in any STEM field, including geoscience/Earth science, environmental science, physics, chemistry, engineering, math, applied math, biology and computer science.

Students from groups underrepresented in the sciences are particularly encouraged to apply, including Black or African American, Hispanic or Latino, American Indian, Alaska Native, and Native Hawaiian students; women; first generation college students; and students with disabilities. Our program welcomes students of all sexual orientations, gender identities and gender expressions, and students from diverse life experiences and academic paths.

**How to Apply**

Interested students can learn more about the program at our [website \(https://deepsoutreach.brown.edu/deeps-leadership-alliance-reu/\)](https://deepsoutreach.brown.edu/deeps-leadership-alliance-reu/), and then complete the Online Application for the Leadership Alliance Summer Research Early Identification Program (SR-EIP) available at: [www.theleadershipalliance.org/programs/summer-research/apply](http://www.theleadershipalliance.org/programs/summer-research/apply)

**The application deadline is February 1, 2020.**

On the application, you will be asked to select three Leadership Alliance member institutions as your preferred SR-EIP Research Sites. To indicate your interest in Dynamic Earth in the 21st Century internships and

research opportunities, choose Brown University as a Research Site and mention the Dept. of Earth, Environmental and Planetary Sciences in your application statement.