



Research Experience for Undergraduates

Life in the Universe—Astronomy and Planetary Science

Summer 2015 at the SETI Institute Mountain View, California

The SETI Institute (<http://www.seti.org>), a non-profit private scientific research institution located in California's Silicon Valley, invites you to apply for a summer Research Experience for Undergraduates program for highly motivated students interested in astrobiology research. You will work with scientists at the SETI Institute and at the nearby NASA Ames Research Center on projects spanning the field of astrobiology from microbiology to planetary geology to observational astronomy.

The program includes a week-long field trip to the SETI Institute's Allen Telescope Array, located at the Hat Creek Radio Astronomy Observatory in Northern California, as well as a field experience at hydrothermal systems at nearby Lassen Volcanic National Park. Students will also participate in local field trips to places like Lick Observatory and other nearby locations of scientific interest, and attend seminars, lectures, and discussions on astrobiology.

You will live in dormitory housing on the campus near the NASA Ames Research Center and observatory facilities at Hat Creek. At the end of the summer you will write a research paper and give presentations on your research projects. The best projects will be selected for submission to a national scientific conference, which the selected students will be funded to attend.



Who should apply

Current Sophomore and Junior Undergraduate Students who are United States Citizens or Permanent Residents

Program dates

Sunday June 14, 2015 through Saturday August 22, 2015

Financial support

Student stipend is \$5000 (\$500/week). In addition, participants will be provided with dorm housing and travel reimbursement up to \$600 for travel from home or campus to the San Francisco Bay Area.

Apply online

<http://www.seti.org/reu>

Application deadline

Applications due February 1, 2015

Two main research areas will be emphasized, with projects including:

Astronomy and the Search for Extraterrestrial Intelligence (SETI)

- Meteor showers and their parent comets
- SETI and radio astronomy
- Extrasolar planets

Planetary Science and the Search for Life in the Solar System

- Asteroid Dynamics
- Mars geomorphology and spectroscopy
- Survival of microbes under extreme conditions.

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