



# The Space Life Sciences Training Program at NASA's Ames Research Center

## *An Investment in Tomorrow*

### Overview

NASA's Space Life Sciences Training Program (SLSTP) provides undergraduate students entering their junior or senior years with professional experience in space life science disciplines. This challenging ten-week summer program is held at NASA's Ames Research Center in the heart of California's Silicon Valley. The primary goal of the program is to train the next generation of scientists and engineers, enabling NASA to meet future research and development challenges in the space life sciences.

### The SLSTP Experience

In this rigorous program, students work closely with renowned NASA scientists and engineers on cutting-edge research, benefiting from the concentration of bioscience expertise at Ames. In addition to conducting hands-on research, SLSTP students attend technical lectures given by experts on a wide range of topics and tour NASA research facilities.

SLSTP participants are exposed to a broad scope of bioscience research performed by NASA scientists. Participants acquire skills and knowledge of the tools and methodology used by NASA to conduct life science experiments in space.

Participants in the program receive a stipend and housing accommodations for the summer. In addition to learning about NASA life sciences, interns get an opportunity to experience life in Silicon Valley.

### Research Areas

Students in SLSTP undertake research projects in various areas, examples include:

- Studies of the effects of spaceflight on living systems, conducted both on the ground and also in space aboard the International Space Station and other spacecraft.
- The development and operation of specialized research facilities to support



*2013 SLSTP participants at Ames.  
(Image Credit: NASA, Dominic Hart)*

investigations in microgravity, partial gravity, and hypergravity.

- Research and development of advanced biotechnologies that enable NASA's exploration of distant destinations.

### Information for Applicants

The SLSTP is an equal opportunity program. Admission is by competitive application process. U.S. Citizen undergraduate students who maintain a 3.2 or higher grade point average are invited to apply. Past student participants were selected for their outstanding merit, passion for space, and desire to study space life science.

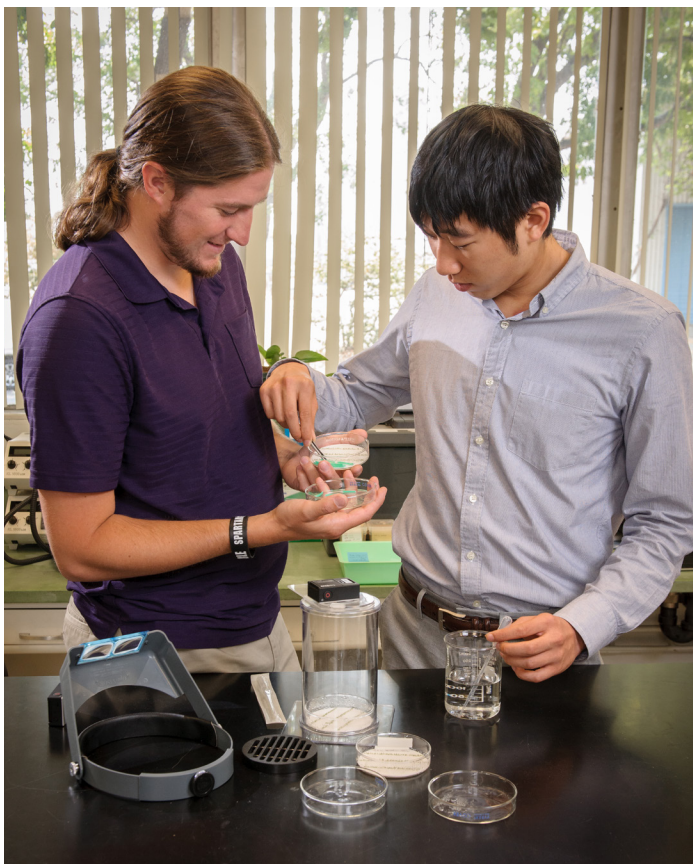
The SLSTP application process will become available to prospective students in January. Although the application period for summer student internships generally closes in March

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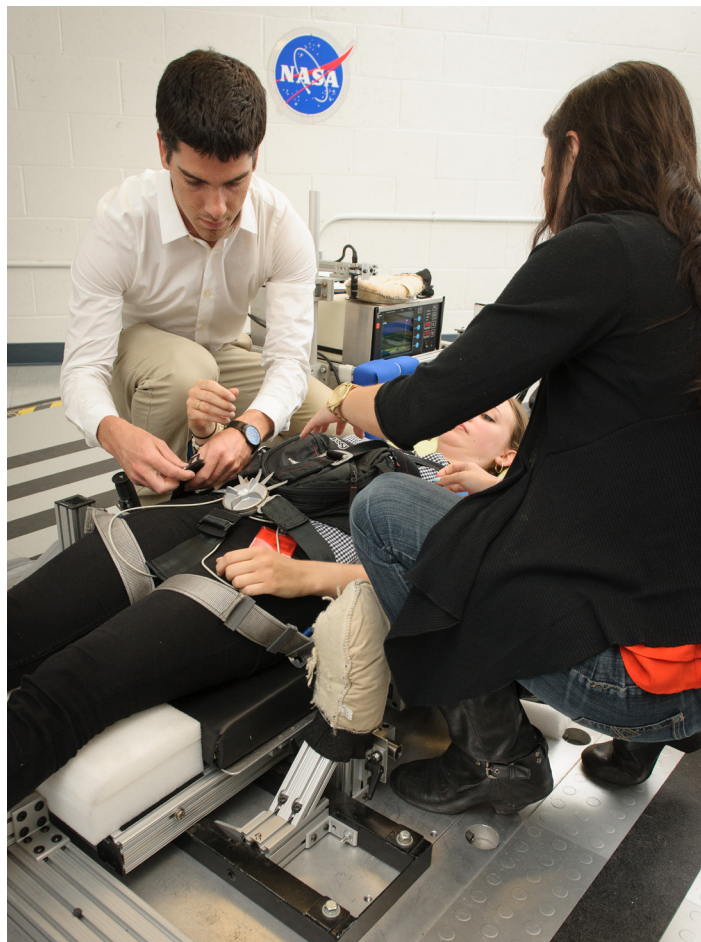
of the same year, offers for positions may be made 4-6 weeks prior to the application closing date. Students are encouraged to submit their applications early. Please visit the SLSTP website for current information about internship opportunities and important dates.

### **Program Support**

The SLSTP is funded by NASA's Human Exploration and Operations Mission Directorate, Division of Space Life and Physical Sciences. The SLSTP is managed by the Space Biology Project within the Space Biosciences Division at Ames.



*2013 SLSTP participants working in the Ames Research Center plant biology laboratory*



*2013 SLSTP students performing research using the Human Performance Centrifuge at Ames*

### **For more information, contact:**

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### **Or visit:**

<http://www.nasa.gov/ames/research/space-life-sciences-training-program>



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