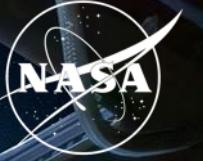


National Aeronautics and  
Space Administration



# Space Life Sciences Training Program

Information Session February 18, 2025

Program Elements

How to Apply

What to expect for summer 2025

**BPS**  
Biological & Physical Sciences





# SLSTP

## Program Goal:

“To inspire the next wave of space biologists and engineers early in their academic and professional careers”



# SLSTP at NASA Ames 2013 - 2024

Fully funded program – Research Associates (RAs) receive a stipend (and may qualify for reimbursement of travel/conference costs)

10 weeks during summer

10-12 students per year (most years)

Selected on a competitive basis

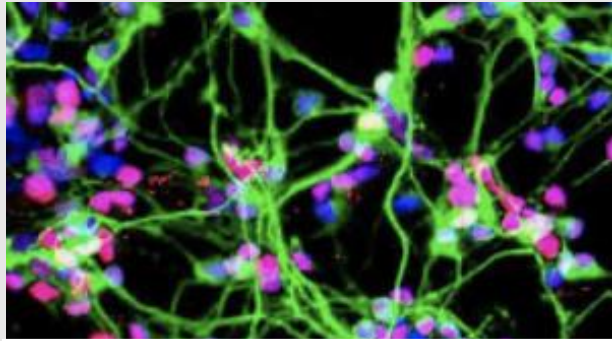
Full-time: Mentor-guided research and team project/professional development

Research and technology development experience

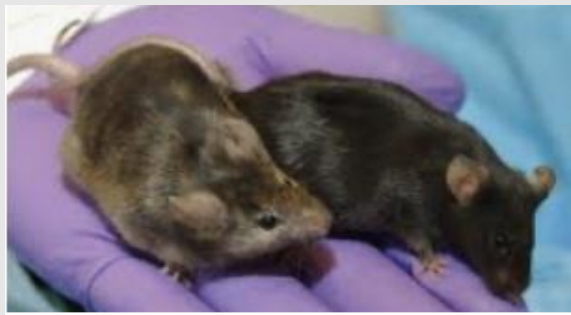
Lectures, professional development/training, and Ames facility tours



# Potential Research Areas



Neuro-Immunology



Behavior Analysis

Synthetic Biology



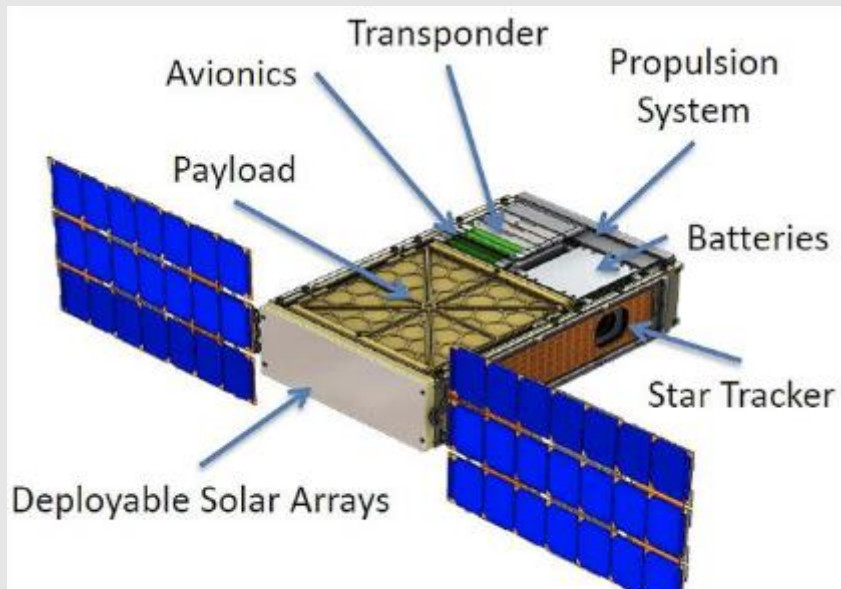
Microbial Biology and Modeling



Life Detection



Space Systems Biology



Payload Development

# Who do we recruit?



**STEAM majors including:**



Chemistry



Life Sciences



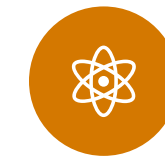
Physics



Math



Engineering



Computational Science

## **SLSTP Prepares Students for the STEAM Workforce**

**The Program aims to prepare students (post-internship) in the following areas:**

- Pursuing a Career in Space Biology
- Communicating effectively - orally and digitally
- Taking on leadership roles
- Time management
- Asking Relevant Questions
- Cooperating as an Active Team Member
- Presenting Oneself Professionally
- Seeking Opportunities Outside of Comfort-Zone
- Thinking Critically about Space Biology Concepts
- Expanding Research & Acquire New Skills
- Networking

## SLSTP Program: What You Will Deliver

### Full Participation and Involvement

- At a minimum, during the hours of 8-5PM (PT) Monday through Friday
- All NASA work/meetings/etc to be performed on the NASA-provided laptop

### Preliminary Plan

- Communicating what the student will be doing during his/her internship. Due 2 weeks after start date.

### Midterm Oral Presentation

- Individual and collaborative group project

### Final Oral Presentation (final week)

- Individual and collaborative group project

### Submission of an abstract to a scientific conference

### Final Paper in the form of a scientific journal manuscript (optional)

# Sample Schedule

	Monday*	Tuesday*	Wednesday*	Thursday*	Friday*
<b>Week 0</b>			Pre-summer survey		
<b>Week 1</b>	Orientation Badging, onboarding		Mentor Spotlight - Lightning talks, Q&A		Group Project Mtg
<b>Week 2</b>	Monday Night Live				
<b>Week 3</b>	Monday Night Live				Ames Facility Tour
<b>Week 4</b>	Monday Night Live		Practice Midterms		
<b>Week 5</b>	Monday Night Live		Midterms 1	Midterms 2	
<b>Week 6</b>	Monday Night Live		Astronaut Talk		
<b>Week 7</b>	Monday Night Live		Student social		
<b>Week 8</b>	Monday Night Live		Ask an Alum Panel		
<b>Week 9</b>	Monday Night Live		Practice Finals		
<b>Week 10</b>	Monday Night Live		Finals Presentations	Final Presentations	Closing Ceremony Post-summer survey

~80% individual/mentor project and ~20% group/training





## Ames Facility Tours\*

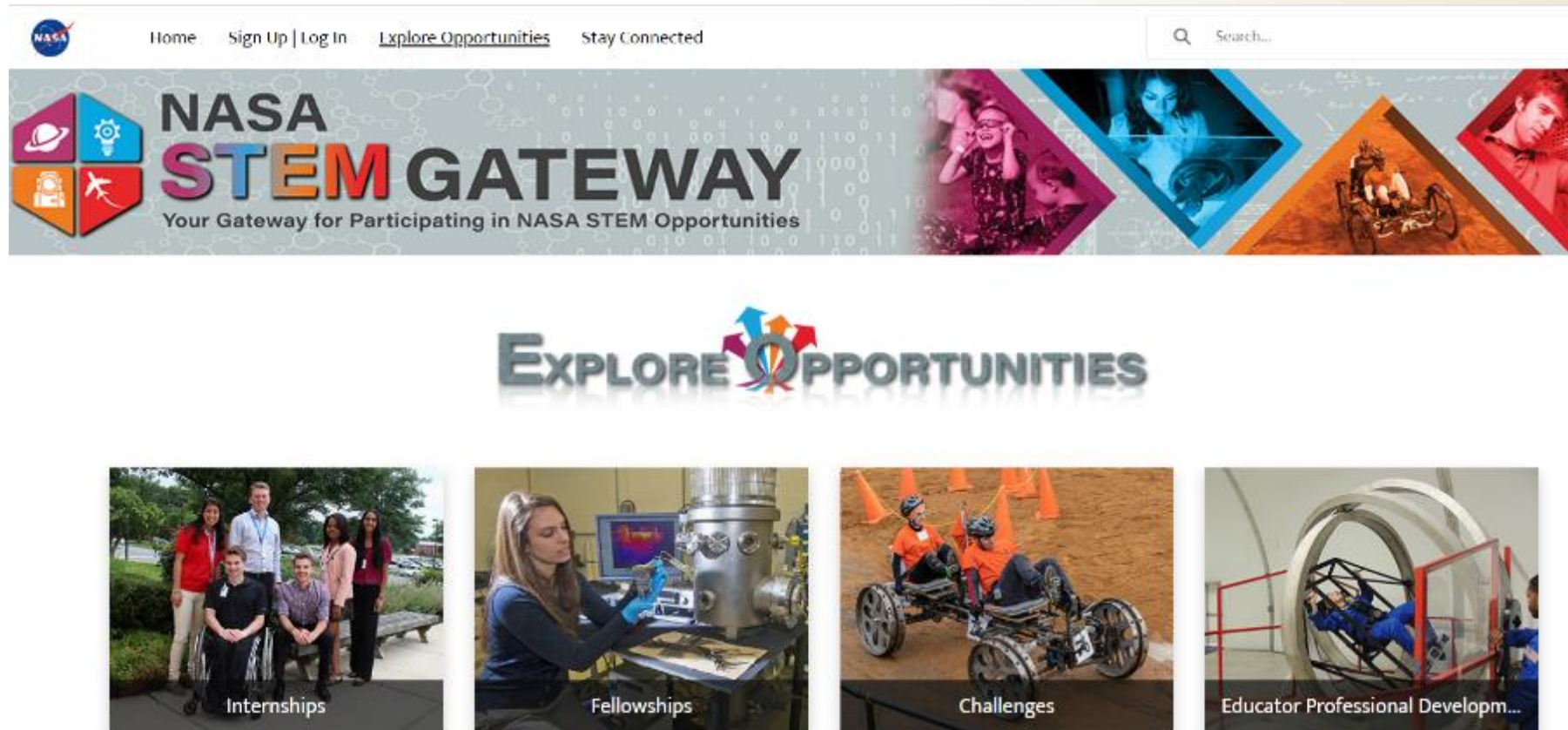
- Virtual Motion Simulator
- Future Flight Central flight simulators
- Arc Jet
- Supercomputing Facility Hyperwall
- Bioscience Collaborative Laboratory

\*Actual tours scheduled depend upon facility and staff availability

# How to Apply for SLSTP

Before submitting an application, go the main SLSTP website to [view the list of summer 2025 projects](#). Each project title (with unique ID) is linked directly to the application in the NASA internship portal.

Summer 2025 applications are being accepted in the NASA internship portal ([intern.nasa.gov](http://intern.nasa.gov)).



# Eligibility & Requirements for SLSTP

Admission to SLSTP is by competitive application process. Past student participants were selected for their outstanding merit, passion for space, and desire to study space life science.

Applicants must fulfill the following requirements:

- Be a US citizen\*
- Age 18 or older by June 2, 2025
- High academic standing (GPA of 3.0 or greater)
- Undergraduate applicants should be entering their junior or senior year or be a graduating senior entering graduate school in the fall of 2025.

Transcripts are required to be included with your application. Letters of recommendation are not required. If you have letters of recommendation you would like to include with your application, email them to [arc-slstp@mail.nasa.gov](mailto:arc-slstp@mail.nasa.gov).

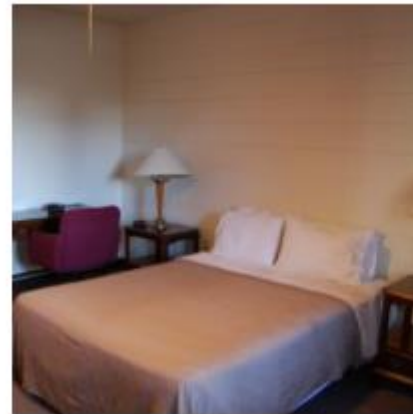
\*Citizens of US territories Puerto Rico, Guam, the US Virgin Islands, and Northern Marianas are US Citizens.

Permanent Resident foreign nationals, Legal Resident Aliens, Work Permit holders, and undocumented immigrants are not eligible.

# Planning for your summer at Ames Research Center

SLSTP interns receive a stipend provided in monthly disbursements in June, July and August . Student housing will be provided for summer 2025 interns. NASA Research Park side of the base has dormitory-style housing at the NASA Lodge, which includes the following amenities;

- Single occupancy, twin bed
- Private bathroom
- Refrigerator and microwave in each room, community kitchens available on 2<sup>nd</sup> floor of each building
- NASA/Federal WiFi access (same as Ames access)
- Some rooms have TVs, not all
- Coin-op laundry
- No housekeeping
- Close proximity to Ames – no need for transportation to/from work (bicycles may be available for check out during the summer)



# Alumni Quotes

“This experience has changed my life forever. Being able to pursue one of my dreams working for NASA, has completely changed my career trajectory. This program really gave me the opportunity to see myself doing space science for a career--something I thought was unattainable before, so thank you!”

“SLSTP is the only reason I had the privilege of getting into space biology. It changed my life and made me excited to be in research.”

“Best experience during my undergraduate career. I've been looking to get back to a research position at NASA because of it.”

“The research element of SLSTP, as well as the field trips to JPL, the USS Hornet, Armstrong etc. made this a summer to remember, and I can only hope that the program expands to other NASA centers.”

“Overall, one of the best research experiences I have had. I learned a lot about NASA and potential careers. This experience has helped guide me into what I will be researching in graduate school at Michigan State University”