

BIOLOGICAL AND PHYSICAL SCIENCES

Student Training Opportunities

*Leading the space life and physical sciences
research community to enable space
exploration and benefit life on Earth.*

National Aeronautics and
Space Administration



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BPS

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FOR MORE INFORMATION:



science.nasa.gov/biological-physical
twitter.com/NASASpaceSci

National Aeronautics and Space Administration

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www.nasa.gov/centers/hq

www.nasa.gov

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Student Training Opportunities



GeneLab for High Schools *High School Students and Educators*

<https://www.nasa.gov/ames/genelab-for-high-schools>

GeneLab for High Schools (GL4HS) is a four-week virtual intensive training program for high school teachers and students. GL4HS provides an opportunity to immerse themselves in space life sciences with a specific focus on omics-based bioinformatics research, the science of collecting and analyzing complex biological data such as genetic codes and computational biology.



The Space Life Sciences Training Program (SLSTP) Summer Internship *Undergraduates*

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

The Space Life Sciences Training Program (SLSTP) provides undergraduate students entering their junior or senior years, and entering graduate students, with professional experience in space life science disciplines. This challenging ten-week summer program is hosted by NASA's Ames Research Center in the heart of California's Silicon Valley.



GeneLab for Colleges and Universities (GL4U) Bootcamp *Undergrads, Graduate Students, Educators*

<https://genelab.nasa.gov/genelab-universities-gl4u>

The GL4U program is specifically designed to provide bioinformatics training relevant to space biology for college students and educators. The annual omics data processing bootcamp teaches participants about space biology, experimental design, data generation, and technology usage while allowing them to analyze space-relevant omics data using GeneLab's standard processing pipelines. Bootcamp materials: <https://github.com/nasa/GeneLab-Training/tree/main/GL4U>.



Future Investigators in NASA Earth & Space Science & Technology (FINESST) *Graduate Students*

<https://go.nasa.gov/FINESST23>

FINESST solicits proposals from accredited U.S. universities and other eligible organizations for graduate student-designed and performed research projects that contribute to the Science Mission Directorate's (SMD) science, technology, and exploration goals.