BIOLOGICAL AND PHYSICAL SCIENCES

Educator Training Opportunities

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

FOR MORE INFORMATION:
science.nasa.gov/biological-physical
twitter.com/NASASpaceSci

National Aeronautics and Space Administration

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BPS

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GeneLab for Colleges and Universities (GL4U) Educator Bootcamp – *College Educators and Students*

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. Educators who participate in the program will receive materials and training that will enable them to conduct the bootcamp at their own institutions or integrate the content into existing college courses, making this initiative accessible to more students. All bootcamp materials are available on the GL4U GitHub page: https://github.com/nasa/GeneLab-Training/tree/main/GL4U

GeneLab for High Schools
High School Educators and Students

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.