Genes in Space Program Lead

At miniPCR, our mission is to foster a scientifically literate society. We broaden the reach of DNA analysis technologies and expand possibilities in STEM education. Our tools and programs create opportunities for everyone to engage in scientific discovery and experimentation.

Overview

We are seeking a talented science educator to spearhead growth of the Genes in Space STEM program (www.genesinspace.org). The contest invites middle and high school students to design pioneering DNA analysis experiments for the International Space Station (ISS). Students develop authentic research projects to solve real world problems, and the winning experiments are carried out by astronauts aboard the ISS using miniPCR™ genetic analysis technology.

Genes in Space is in its fifth annual cycle in the United States, and it is growing nationally and internationally. Our first overseas program was conducted in the United Arab Emirates in 2016. The Genes in Space contest has engaged over 3,700 US students and conducted five student-led missions aboard the ISS that have expanded molecular biology capabilities in space.

Opportunity

This is an opportunity to lead Genes in Space implementation and growth by:

- Managing the 2019 Genes in Space national STEM competition
- Spearheading new curriculum initiatives of high educational value
- Contributing to pioneering biology experiments in the International Space Station
- Working directly with miniPCR's leadership team and corporate sponsors

This is a unique chance to engage and inspire youth while working directly with the miniPCR Curriculum Team in an entrepreneurial environment.

Skills and qualifications

This role requires a strong science background, experience in science education, ability to operate in entrepreneurial mode, strong communication, and project management skills.

The ideal candidate will possess:

- Strong science background, preferably PhD-level.
- Teaching and science outreach experience, at high school or middle school levels.
- Experience developing and implementing innovative biology curriculum.
- Engaging public speaking skills
- An ability to engage and inspire youth in STEM

Requirements

This is a full-time role in Arlington, MA. There will be national travel to science conferences and workshops, as well as to rocket launches. Some international travel may be required.

How to apply

Qualified candidates should email their resume and cover letter to the miniPCR and Genes in Space co-founder Sebastian Kraves**.**