



NEXT GENERATION CRISPR PROJECT

2024 WorkWonder Apprenticeship Program

ABOUT

Minority Coalition for Precision Medicine, Bayha Group and partners plan to engage communities from diverse backgrounds and perspectives on some of the biggest questions of our time related to gene editing in health, food/agriculture, technology and ecological systems. CRISPR apprentices will adapt successful models to reach new audiences through a virtual engagement effort that democratizes debate on questions of risks, benefits, equity, ethics, and governance of emerging gene editing technologies.

WHAT YOU WILL LEARN

- Apprentices will successfully conduct research on sensitive racial topics that have created misinformation and mistrust within the science community.
- Apprentices will develop strategies for overcoming such racial barriers within this new technology.
- Create a promotional video on how to host similar conversations at various schools.
- Apprentices will write/edit press releases and other communications as it relates to the project for promotion.
- Apprentices will develop a (high school and college students) learning guide about CRISPR and its applications in medicine, agriculture, and the environment through virtual conversations with influencers.
- Apprentices will develop videos via YouTube on the scientific, ethical, social, and commercial implications of CRISPR.



JOB DESCRIPTION

Apprentices will facilitate the integration of technology into teaching, learning, and/or research activities around CRISPR. The apprentices will be responsible for managing the operations of the (Nex Generation CRISPR Project) for teaching and Learning program, supporting science advocates in integrating various technology solutions into instructional activities, and collaborating with colleagues on technology-related programming and initiative in the incorporation of youth voices in CRISPR instructional materials. Apprentices will learn how to develop a virtual dialogue on the applications, opportunities, and trade-offs related to emerging genetic technologies such as CRISPR.

Expectations:

- Attitude – Apprentices will have an open mind on learning the importance of CRISPR technology and its implications on minority communities.
- Conduct – Apprentices will be able to manage materials and information received and produce required project assignments.
- Project Quality – Apprentices through their engaging conversations will create or revise curricular resources for the CRISPR publication and other resources to incorporate youth voice in instructional materials. Apprentices will create learning resources for distribution available for teachers and STEM providers.

Meeting times

MONDAY

1:00–2:30PM
Bayha Group meeting

TUESDAY

11:00AM – 1:00PM
Deep Dive session

WEDNESDAY

THURSDAY

11:00AM – 1:00PM
Deep Dive session

FRIDAY

9:00–10:30AM
Office hours

Weekly activities

- Apprentices will utilize the CRISPR focused resources (i.e., publications, press releases, YouTube videos, CRISPR con panels, etc.) to introduce key concepts and issues of what is at stake in the application of gene editing technologies.
- Apprentices will create and implement CRISPR Uncut (panel discussion).
- Apprentices will plan and coordinate Career Day 2025.



MICHAEL A. FRIEND

Deep Dive Lead

Michael A. Friend was born and raised in Baltimore, Maryland, he's a Veteran of the Armed Forces and the Founder of the Minority Coalition for Precision Medicine and Health Ministries Network, which is a clearinghouse of various health care initiatives to help mobilize faith based communities at the National and International levels. Michael's accomplishments includes his leadership Advocacy work in Precision Medicine and currently serves on the CRISPRcon steering committee.

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