

MILRD Virtual Training Projects

Colleges · High Schools · Education Programs Track

About Us

[MILRD](#) is an education organization that offers **Virtual Training Projects (VTPs)** for professionals, trainees, and students (graduate to high school level) to cultivate advanced computational biology, bioinformatics & other data science skills and to learn about related occupations & industries. VTPs utilize published research and created in collaboration with scientists from academia, government and industry.

Virtual Training Projects (VTPs)

Each VTP is a **virtual experience**, during which participants analyze and reproduce the results from a published research paper. During the project, students complete an introductory session, have two group cohort meetings and complete independent work. Throughout the experience, participants receive unlimited 1-on-1 support and attention from cohort mentors, all experts in the field.

Unique Approach

MILRD's unique model mixes experienced graduate students, trainees, & professionals with high school & college students all in the same cohort to enable peer-learning and networking opportunities—without leaving beginners behind or holding back folks with more expertise.

A summary of our participant breakdown can be found on our website [here](#).

1-week VTP Structure



Note: VTPs can be spread across two weeks (4-10 hours per week) to accommodate students with substantial courseloads or scheduling constraints.

VTPs Offered

VTPs cover a wide variety of topics **at the cutting edge of biomedicine and data science** using recently published datasets as a guide. Example topics include metagenomics, single-cell transcriptomics, characterising COVID-19 variants, and more. Descriptions of our current and upcoming VTPs can be found [here](#).

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MILRD Provides

- Unlimited support from expert mentors
- Access to all required analysis tools and software
- Access to all required source data
- Optional pre-VTP preparation session

Participant Provides

- A computer running Windows, MacOS or Linux
- A stable internet connection
- Google Chrome, Safari, Firefox, or Edge web browser

Pricing

Enrollment fees can be found on our website [here](#). One instructor training seat is included for every 10 students enrolled. Fee reductions for bulk enrollments available.

Sign Up

Contact info@milrd.org with questions and to enroll student groups in VTPs.