



4th Annual Program for High School Students July 15-23, 2010

OVERVIEW

Explore Genetics is a dynamic educational experience for **rising high school seniors** (current juniors, but exceptions may be made). Students gain a broad understanding of genetics through hands-on laboratory work, expert speakers and group projects. Students will spend three full days in the laboratory performing experiments and learning techniques. They will talk with Harvard Medical School faculty members about the latest research and clinical applications in genetics and they will follow a fictional family through the process from clinical diagnosis of a genetic-based disease to receiving testing results.

DETAILS

The program will take place at 65 Landsdowne Street, Cambridge, MA. Lunches will be provided. **There is no cost to attend this program.**

GOALS

By the end of the program, students should be able to draw a family pedigree, perform a DNA extraction from saliva, use PCR to amplify a DNA sample and load and run a gel electrophoresis. They should know the clinical features, inheritance pattern and testing methods for a genetic disease and have learned about a number of career options in the field of genetics.

APPLICATION

To apply or for more information, contact Rebecca Rehm at rrehm@partners.org or 617-525-4566 or see our website.

Applications are due Friday, March 26.

