

PROJECT BIOTECH

Shoreline Community College

Presents

Biotech Summer Camps for High School Students

July & August 2019

When and where is camp?

- 9 am until 4 pm – Mon. through Fri.
- Shoreline Community College
- Only 24 spots available per camp!

How does one apply?

Online applications available on the Shoreline Community College website:

<http://www.shoreline.edu/project-biotech>



July 8 - 12, 2019

I. Biotechnology Essentials & Beyond

Recommended for up-coming 9th & 10th graders but open to all high school (HS) students for basic biotechnology training

- ▶ Micropipetting
- ▶ DNA purification & DNA sequencing
- ▶ Polymerase Chain Reaction (PCR)
- ▶ Discussions with scientists
- ▶ Use computers to analyze data for genetic testing

July 22 - 26, 2019

II. Biotechnology & Infectious Disease “Tracking Hantavirus in Washington State”

For HS students with biology or biotech lab experience

- ▶ Advanced lab techniques to diagnose & treat disease: outbreak investigations, SDS-PAGE, Western blots & ELISAs
- ▶ Biotech company and research institution tours in Seattle
- ▶ Career panel and discussions with scientists
- ▶ Biotechnology & human health career exploration

August 5 - 9, 2019

III. Biotechnology & Cancer “Causes, Cures and Careers”

For HS students with biology or biotech lab experience

- ▶ Genetic mutations which can result in cancer
- ▶ Bioinformatics relevant to cancer diagnosis and treatment
- ▶ Lab assays for DNA and protein analysis
- ▶ Tour of biotech companies
- ▶ Career panel and discussions with scientists



What does it cost?

- \$450 per student per camp
- Registration includes daily snacks and Friday lunch
- A limited number of financial need-based scholarships are available.

The camp program has been designed and will be taught by experienced educators from Shoreline Community College’s Biotechnology Program and scientists/educators from the Seattle biotechnology and research community.

Providing high school students with hands-on science activities, face time with scientists, exposure to potential careers, and a glimpse of community college life can have a lasting, positive impact.

For more camp information contact:

Dr. Dina Kovarik at dkovarik@shoreline.edu

<http://www.shoreline.edu/project-biotech>



Thank you to our 2019 sponsors to date!

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SystImmune Inc. - Bluebird Bio

School Districts: Edmonds, Everett and Northshore

For sponsorship information, contact Dr. Reitha Weeks, Camp Program Coordinator, at reithaweeks@gmail.com