

PROJECT BIOTECH

Shoreline Community College Presents Biotech Summer Camps for High School Students

July & August 2020

July 6 - 10, 2020

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 20 – 24, 2020

II. Biotechnology & Orca Conservation

For HS students with biology or biotech lab experience

- ▶ DNA sequencing to identify food sources for Orca
- ▶ Protein assays to analyze stress hormones in Orca
- ▶ Exploration of how ocean acidification is affecting sea life
- ▶ Tour of environmental research labs at the UW
- ▶ Panel of scientists discussing jobs and career paths

August 3 - 7, 2020

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

For more camp information contact:

Dr. Dina Kovarik at dkovarik@shoreline.edu

When and where is camp?

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

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.

How does one apply?

Online applications available on the Shoreline Community College website on Feb. 14, 2020

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

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.

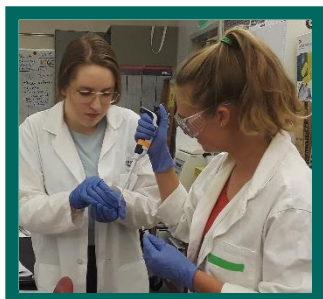
The camp program has been designed and will be taught by experienced educators from Shoreline Community College's Biotechnology Program and scientists/educators from the Seattle biotechnology and research community.

Thank you to our 2020 sponsors to date!

AGC Biologics

Cytek Biosciences - Partner Therapeutics
Seed Intellectual Property Law Group
Altasciences - bluebird bio

School Districts: Edmonds. Everett and Northshore



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