**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](mailto:dkovarik@shoreline.edu)

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**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 in February 2020
[http://www.shoreline.edu/project-biotech](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.

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**Thank you to our 2020 sponsors to date!**

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Edmonds, Everett and Northshore

For sponsorship information, contact Dr. Reitha Weeks, Camp Program Coordinator, at [reithaweeks@gmail.com](mailto:reithaweeks@gmail.com)