Camp BIOmed
NORTHWEST ASSOCIATION FOR BIOMEDICAL RESEARCH

Teen Summer fun!

Curious about Medical and Biological Careers? Hands-On Science Camp for High School Students

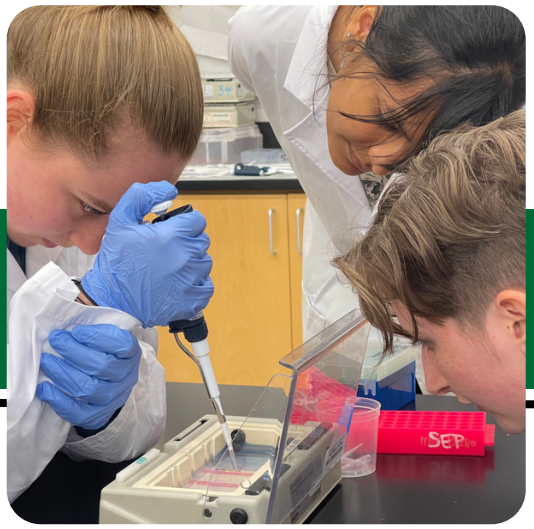
Labs ● Technology ● Fun ● Research ● Ethics

Spokane, WA

Whitworth University

One Week Only

The Molecular Biology of Cancer
June 24-28



Seattle, WA

Seattle Pacific University

Offered 6 Consecutive Weeks

	Jul 8-12	Jul 15-19	Jul 22-26	Jul 29-Aug 2	Aug 5-9	Aug 12-16
Bioinformatics					✓	✓
Crime Scene Investigation	✓		✓	✓	✓	✓
Genetic Engineering	✓	✓	✓	✓		
Global Health	✓	✓				
Medical Microbiology		✓	✓	✓	✓	✓
Molecular Biology of Cancer	✓	✓	✓	✓	✓	✓

Learn More

NWABR
Northwest Association for Biomedical Research

Cost

Early bird pricing through 4/30
$600 NWABR members | $645 non members

Contact

camp@nwabr.org
(917) 382-4987
www.nwabr.org/campbiomed

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Choose one or more Camp Tracks to Attend

The Molecular Biology of Cancer- Good Cells Gone Bad
Spokane, WA @ Whitworth University
Seattle, WA @ Seattle Pacific University

Discover how normal human cells acquire the mutations that cause them to go rogue. Learn and apply some of the fundamental lab techniques that are used by cancer researchers including: DNA restriction digests, ELISA & microarrays. Take on the role of oncologist as you apply your lab findings to specific patient case histories and explore rapidly evolving treatment options. Perform a brain dissection as part of a unit on brain cancer.

Next Gen Science-Origami of Life with Bioinformatics
Seattle, WA @ Seattle Pacific University

Students will examine the genetic basis for human variation and use DNA barcoding to study biodiversity and food fraud. In each project, students will use several bioinformatics methods to analyze their data. It is a perfect wet and dry lab combination for students who are interested in how computer science is applied to the management and analysis of biological data.

Crime Scene Investigation (CSI)-Solving a Murder Mystery
Seattle, WA @ Seattle Pacific University

The campers will learn and apply various forensic and molecular biology techniques, including DNA fingerprinting via gel electrophoresis and restriction digests, ELISAs (enzyme- linked immunosorbent assays), blood typing, heart dissection, and blood spatter analysis. Towards the end of the week, campers take charge of a mock crime scene and use what they've learned to solve the mystery on their
own!

Genetic Engineering- Changing the Blueprints of Life
Seattle, WA @ Seattle Pacific University

The genetic engineering camp introduces students to recombinant DNA techniques and their practical applications. The curriculum will provide students with an overview of modern biotechnology, genetic engineering and gene regulation. Students will also gain an understanding of how scientists isolate genes from the genome through cloning and/or PCR, which is key to investigate a gene's function.

Global Health-Promoting Well-Being Worldwide
Seattle, WA @ Seattle Pacific University

Students in this camp will participate in hands-on lab activities and critical thinking exercises to explore problems and possible solutions to some of the most pressing current global health challenges. Topics and activities will include clean water and sanitation, air pollution and climate change, infectious and non-communicable diseases, anti-microbial resistance, and access to primary health care and education.

Medical Microbiology- an Invisible World
Seattle, WA @ Seattle Pacific University

This camp will focus on the prevention, diagnosis and treatment of infectious diseases. As a guiding tool, we will explore an intensive case study about a patient with an illness due to an unknown microbial cause. Students will also talk about the applications of microbes for the improvement of health.

Learn More

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