

Anneke van der Geer

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Dynamic Microbiology graduate student with strong communication skills and analytical abilities.

Degrees and Certificates

B.S. (Neuroscience, 2019), University of CA, Santa Cruz (UCSC)
Wilderness First Responder Certification (2016, 2019), Wilderness Medical Associates
San Diego Lifeguard Academy (2016), San Diego Miramar College
BSL/CPR (2020) AHA

Relevant Experience

Lab Skills

Buffer preparation	DNA cloning	Maintenance of Drosophila stocks
Plasmid minipreps	SDS-PAGE	Setting up Drosophila breeding pairs
Bacterial transformations	Western Blotting	Analysis of Drosophila phenotype
Agarose gel electrophoresis	PCR	Molecular analysis Drosophila mutants
Tissue Culture	IF/IHC staining	Fluorescent Microscopy
Salt water tank maintenance	VMR analysis	Bacterial biomass analysis

Relevant Coursework

General Chemistry (Chem 1A/B/C & labs)	Calculus (Math
11A/B) Organic Chemistry (Chem 6A/B)	Genetics (Bio 105)
Organic Chemistry Lab (Chem 6L/M)	Cell Biology (Bio. 110)
General Biology (Bio 20A/B/C)	Neuroscience (Bio. 125)
Physics (Phys. 6 A/B/C)	Advanced Neuroscience (Bio. 126)
Physics lab (Phys. 6 L/M/N)	Human Physiology (Bio. 130)
Biochemistry (Biochem. 100A)	Eukaryotic Genetics Lab (Bio. 105L)
Molecular Biochem (Biochem. 100B)	Developmental Biology (Bio. 120)
Metabolic Biochem (Biochem 100C)	Statistics (AMS 5)
Molecular Biology Lab (Bio. 101L)	Psychology of Stress and Health
Microbial Ecology	Advanced Biochemistry, Cellular, and Molecular
Microbial Genetics and Physiology	Advanced Topics in Cell and Molecular Biology
Advanced Biological Data Analysis	Biology of Algae

Research Experience

Masters Student (2020-) Laboratory of Forest Rohwer, SDSU

- Utilize Fluorescent microscopy techniques to assess the microbial dynamics of an environment
- Investigated the role of oxygen on the viral life cycle

Intern (2019) Laboratory of Dr. Tony Hunter, The Salk Institute, La Jolla, CA

- Worked with Dr. Jeffrey Rena, postdoctoral fellow
- Investigated role of phospho-Histidine in breast cancer cell lines and tumor models
- Responsible for maintaining cultures of cancer cell lines
- Performed western blot and IF/IHC analysis

Work Experience

Biology Tutor

(2019)

Santa Cruz, CA

- Tutored high school level biology for student in Oakland, CA, private school
- Planned and prepared weekly review sessions and exam preparation
- Utilized video conferencing technology to mediate sessions
- Helped the student raise grade from D to B+

Ocean Lifeguard

(2016-2018)

NAS North Island, Coronado CA

- Surveyed the beach and maintained public safety
- Educated public on ocean safety
- Performed over 50 ocean rescues
- Administered EMR/EMT level first aid when required
- Designed, organized, supervised training program for new ocean lifeguards

Beach Lifeguard Assistant

(2014-2015)

Coronado City Lifeguards, Coronado, CA

- Supervised interns and junior lifeguard program
- Interfaced with parents/public about ocean safety and junior lifeguard program

Volunteer Experience

Coronado Junior Lifeguard Program Intern (2013) Coronado City Lifeguards, Coronado, CA

Make A Wish Foundation Amazing Race (2010-2015) Coronado Cays Yacht Club

Assistant Club Soccer Coach (2014)

Honors and Awards

UCSC Deans List

UCSC Honors Challenge Program