

Gabriela M. Padilla

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Education

2019-08 - 2021-06

Bachelor of Science: Molecular Biology

University of California - San Diego - La Jolla, CA

- Relevant Coursework Completed: Molecular Biology, Genetics, Virology, Metabolic Biochemistry, Cell biology, Recombinant DNA Techniques, Independent student research, Genome science, Genome Diversity and dynamics, structural biochemistry
- Worked in a marine microecology lab on campus at Scripps Institution of Oceanography
- Participated in beach cleanups and environment friendly activities promoting ecology and environmentalism through a Student Organization
- Awarded Provost Honors

2015-08 - 2019-06

Associate of Science: Biology

College of The Canyons - Valencia, CA

- Chancellor's honor list
- Member of MESA (Mathematics, Engineering, Science, Achievement)
- Awarded Cum Laude
- Relevant Coursework Completed: Organismal/environmental bio, molecular/cellular biology, molecular genetics, Intro to microbiology.

2015-08 - 2018-12

Associate of Arts: Liberal Arts in Math and Science

College of The Canyons - Valencia, CA

- Chancellor's Honor List
- Awarded Magna Cum Laude

Research History

2022-06 – 2023-06

PIKE-PREP Scholar

University of Colorado Anschutz Medical Campus, Denver, CO

- Performed research in a chromatin-focused lab as a post-baccalaureate scholar.

- Maintained breast cancer cell lines to perform transfections and cloning for experimental use in the lab.

2021-06 - 2022-05

Research Associate I

INOVA Diagnostics, San Diego, CA

- Produced data using ELISA and Chemiluminescence for research and production purposes.
- Wrote research papers, reports, reviews, and summaries regarding autoimmunity assays.

2020-07 - 2021-03

Scientific Research Intern

aTyr Pharma, San Diego, CA

- Assisted with ordering supplies and equipment, calibrating instruments and preventive maintenance.
- Assisted with support duties such as filling products, labeling products, testing samples and taking inventory.

2019-10 - 2020-12

Lab Assistant

Scripps Institution of Oceanography, UCSD, San Diego, CA

- Assisted with support duties such as autoclaving and cleaning glassware, making growth media and general lab maintenance.
- Safely prepared reagents, compounds, and lab test solutions.
- Worked closely with lab staff on special projects.
- Cultured and Imaged photosynthetic organisms

2018-02 - 2019-05

Teaching Assistant

College of the Canyons, Santa Clarita, CA

- Mentored students through office hours and one-on-one communication.
- Maintained atmosphere of academic learning and advancement to facilitate learning and development of critical thinking skills.

Awards & Grants

- Selected as a "Rising Star" alumna at College of the Canyons in 2022-awarded a banner on the Valencia campus
 - Chancellor's Honor List
 - Magna Cum Laude
 - Awarded Pell Grants throughout College
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Research Accomplishments & Specialized Skills

- Identified two new species of extremophile diatoms and constructed a phylogenetic tree (no publication).
- Learned how to use a 3D printer and built 3D models for the molecular biology laboratory at College of the Canyons
- Built an aquaponics system for the environmental biology laboratory

Service

- Became project director of community garden at College of the Canyons. Supervised a team of volunteer students.
- Proposed and implemented an organizational system for shared tools at the community garden
- Oversaw groups of students conducting environmental surveys
- Volunteered to do beach cleanups in San Diego

Skills

Documentation skills

- Data collection
- Data reproduction & analysis

Lab safety

- Proper PPE

Clinical assays

- ELISA
- Chemiluminescence immunoassay

Data collection and organization

Good Laboratory Practices (GLP)

- Aseptic technique

Technical Writing

- 510(k)
- Direction Inserts

CLIA & OSHA compliance

Safe specimen handling

- Human Serum
- Cancer cells

- Bacteria

Trained in HIPAA compliance

Lab Equipment Maintenance

- BIOFLASH
- ELISA Plate Readers
- Basic Lab Equipment (freezers, centrifuges, Biosafety Cabinets, etc.)

Languages

Spanish - Fluent

English - Fluent

German – Reading and hearing knowledge

Certifications

2014-03

Deutscher Sprach Diplom

2021-11

Genetic assistant- Online Certificate Johns Hopkins University

2022-03

Lean Six Sigma Certification – White belt

Organizations

- MESA (Mathematics, Engineering, Science, Achievement)
- SACNAS (Society for Advancement of Chicanos/Hispanics & Native Americans in Science)