

Joe Corsair

Los Angeles, California | corsair_joe@student.smc.edu | (310) 434-4300

EDUCATION

Associate of Arts Degree, General Science

Santa Monica College, Santa Monica, California

To be Conferred June 2025

GPA: 3.5

Transfer Major: Biotechnology

- Campus Involvement: STEM Program, Biotechnology Student Club
- Relevant Coursework: Fundamentals of Biotechnology 1; Elementary Statistics; Introductory to General Chemistry

SKILLS

Biotech: Pipetting; Gel Electrophoresis; Lab Safety and Hazardous Materials; Western Blot Transfer; Calculating and Preparing Solutions and Mixtures; Polymerase Chain Reaction (PCR) Amplification of DNA; Gene Mapping; Scientific Technical Writing and Protocols; Data Presentation; Metric System and Measurements; Bacterial Transformations and Sterile Techniques; Staining and Media Preparation; Lab Safety and Equipment (Compound Microscopes, Volumetric Glassware, Electronic Balance); Ethical Standards; Quality Assurance

Administrative: Front Desk Reception

Software Skills: Proficient: Microsoft Office Suite (Word, Excel, PowerPoint, Outlook); Google Workspace (Docs, Sheets)

Languages: Spanish – Bilingual

RELEVANT COURSES

Fundamentals of Biotechnology I

Santa Monica College, Santa Monica, California

February 2024 – Present

- Performed techniques involving conducting measurements, manipulating DNA, and documenting data through scientific laboratory record keeping
- Prepared buffers, stock solutions, and reagents
- Outlined the ethical implications of biotechnology

LAB EXPERIENCE

Lab Assistant Student Worker

Life Science Department, Santa Monica College, Santa Monica, California

August 2023 – Present

- Prepare and properly dispose of media and cell samples used in microbiology and botany courses, set up 25 high power microscopes and lab manuals for marine biology courses as well as organize anatomy models and cadavers in conjunction with course lectures and under the direction of 3 lab technicians
- Utilize autoclave machine to clean and sanitize petri dishes and volumetric glassware
- Feed approximately 4 sea stars, 3 crabs, and 10 sea urchins as well as clean and maintain their tanks
- Inventory and restock lab materials including gloves, pipettes, test tubes, beakers, petri dishes, and sterilized water
- Measure and prepare 60 Tryptic Soy, 60 Eosin-Methylene Blue, and 60 Mannitol Salt agar test tubes per day
- Conduct yearly maintenance checks of approximately 30 high power microscopes and report any issues to supervisor for repair

Laboratory Assistant

Pharma Lab, San Diego, California

August 2022 – August 2023

- Organized and prepared media and solutions (cell culture media, reagents, loading buffers, etc.) for approximately 8 scientists
- Inspected, calibrated, and utilized lab equipment, including pH meters and centrifuges
- Documented experiment progress and observations, including compiling data and findings for analysis
- Cleaned and sterilized glassware, pipette tips, media, and filters, using an autoclave
- Inventoried and restocked glassware and supplies used by the lab assistants and scientists
- Performed DNA transformation and mating using yeast colonies to build large genomic libraries
- Adhered to clinical lab regulations in terms of sterility and safety

Data Entry and Sample Processing Assistant

San Diego Reference Laboratory, San Diego, California

January 2018 – May 2018

- Gathered and inputted patient demographic and testing information from over 250 patients each day into company database system
- Maintained specimen archive and disposed of samples according to company regulations and protocols