

# Nabil Zoubeidi

College graduate with a BS in microbiology and independently worked in Dr. Cleber Ouverney's microbial physiology research lab at San Jose State University. Seeking to utilize acquired academic and lab knowledge to fulfill role in your company. A diligent and meticulous worker aiming to achieve company goals.

## Professional Experience

### **San Francisco State University** **09/2019-06/2021**

Gen Biology Lab Instructor

- Provided classroom and laboratory instruction in general biology topics
- Prepared material, assignments, lectures, and exams to students
- Assessed student performance and grades

Gen Microbiology Lab T.A

- Assisted professor with teaching and technical duties
- Conducted discussion groups with students, supervised lab periods, workshops, and other course related activities
- Assisted with evaluating student work and exams

### **Becton Dickinson** **01/2019-08/2019**

Lab Technician

- Changed refrigerator chart recorders on weekly basis
- Monitored temperature of fridges and freezers
- Organize and stock lab supplies within labs and stockroom
- Organized biohazard waste maintenance
- Maintained glassware by pick-ups, cleaning, washing, and distributing
- Performed daily DI water flushes
- Monitored stock levels of sheath and shutdown fluids for flow cytometers
- Organized deliveries, set-ups, and pick-ups of lab equipment

### **Talis Biomedical** **09/2018- 12/2018**

Contract Research assistant at Talis Biomedical

- Maintained and updated clinical sample records on company server for recordkeeping
- Was point person for Planned Parenthood clinical study, entailing bringing cooler containing urine and vaginal swabs to BSL-2 lab and preparing all elution tubes, reagents, and spin column filters needed for extraction
- Extracted RNA from Planned Parenthood clinical samples to run on RT-LAMP for diagnosis of *N. gonorrhoea* and *C. trachomatis*
- Assisted senior RA in dry-down study of plugs, testing the stability of RNA coating when exposed to different temperatures and conditions

- Ran RT-LAMP during Planned Parenthood study to ascertain if RNA from elute identifies to *N. gonorrhoea* or *C. trachomatis*
- Assisted senior RA in extracting RNA from *N. gonorrhoea* batch cultures and comparing amounts of RNA extracted relative to previous batches

### **Bioceryx**

**010/2017 – 07/2018**

Research Associate at Bioceryx

- Conducted and maintained inventory over consumables and reagents in all labs
- Manufactured reagents utilized in benchtop process and library runs
- Used an Illumina sequencer to analyze data from library runs
- Aided in formulating new versions of reagents and conducted guardbanding studies to ascertain robustness in benchtop process
- Conducted wipe tests to survey for and correct any amplicon contamination discovered in the labs
- Took management of both solid hazardous and liquid wastes and ensured proper pick-up for disposal
- Manufactured and maintained stock of fragmentase DNA utilized in library runs
- Ensured completion of and maintenance of reagent batch records and library data
- Utilized quartz for ordering reagents and consumables
- Has done some work on cell-free DNA purification
- Utilized qPCR to analyze and template data from wipe tests and communicated results to all lab members

### **Education**

#### **San Francisco State University**

**08/2019- present**

Masters student in Lily Chen's research lab

- Carried out independent research project on antibiotic resistance and characterization of bacteria isolated from microplastic pollution

#### **San Jose State University**

**06/2014 – 08/2016**

Research associate in Dr. Cleber Ouverney's Microbial research lab on campus

- Carried out independent research about a novel lipase protein from uncultured bacteria(TM7) associated with human diseases
- Utilized molecular techniques such as subcloning, PCR, SDS-page gels and gel electrophoresis to characterize and study the novel lipase protein
- Trained other student on his research project and was listed as co-author on his poster
- Performed growth curves to find optimum time in which cells could be lysed for protein extraction
- Mastery with micropipettes( serological, Pasteur, single channel, and multi-channel)
- Performed lab duties utilizing aseptic techniques and adherence to lab safety and ensuring tidy work environment

#### Immunology Lab

- Grew cultures of macrophage-derived cancer cell line to study cell-to-cell adhesion
- Immunized rabbits and collected serum to characterize using ELISA protocol
- Studied cell trafficking of T cell lymphocyte after exposure to *Bordetella pertussis* exotoxin
- Performed immunofluorescence of macrophages and dendritic cells to observe actin polymerization during phagocytosis

#### Pathogenic Microbiology Lab

- Used aseptic techniques and biosafety cabinet to work with pathogenic bacteria in BSL-2
- Cultured several species of pathogenic bacteria and identified them utilizing biochemical analyses
- Prepared liquid and solid media, slants and culture plates
- Utilized various staining procedures to identify pathogenic bacteria (Gram staining, Acid-fast staining, Simple and Differential staining)
- Prepared wet mounts to stain flagella for identification
- Utilized various types of microscopy (Bright-field, Dark-field, and phase contrast) to identify pathogenic bacteria

#### Microbial Physiology Lab

- Characterized expression of lac operon in *E. coli* and cultured it on X-Gal media
- Experimented with growth conditions of *E. coli* by subjecting culture to different salt and pH concentrations

#### **Education**

**San Francisco State University**

**August 2019**

MS in microbiology

**San Jose State University**

BS in Microbiology, minor in Chemistry

**May 2017**

#### **Classes Taken:**

Hematology

Microbiology

Immunology

Medical Microbiology

Virology

Microbial Physiology

Genetics

Molecular Biology

Bacterial Genetics

Biochemistry

Organic Chemistry

**JC Penny**

**05/2014 – 08/2014**

floor and sales associate (part-time)

**Kohl's**

**11/2014 – 01/2016**

Floor and sales associate (part-time)

**Additional Skills**

- Microsoft Office (Word, Excel, Powerpoint)
- quick to learn and process information
- good communication skills with people of varying background
- R Studio