

Jeffrey Nam Lam

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Objective

Looking for an internship to gain experience in the research project style and creative process of a large Bioengineering research laboratory while also investigating topics likely to have a large positive global and societal impact.

Academics

School: University of California, Los Angeles

Major: Bioengineering

Senior, 3.58 Cumulative GPA

Skills

Programs

- Experience in or currently using PYMOL, MATLAB, AutoCAD, Form1+ 3D Resin Printing, MS Office, Adobe Illustrator, ZenPro, and Labview.

Laboratory

- Experienced in ^{13}C NMR, ^1H NMR, IR, Spectrophotometric, and Mass Spectrometry analysis, Extraction and Purification of Chemical Compounds, Cell Tissue Culture, Immunofluorescence Binding and Imaging, PDMS Device Formulation and Plasma Bonding

Awards

Regents Scholar Recipient

- Selected as one of 100 applicants from top 1.5% of applying freshman class

Work Experience

[June 2012- September 2012]

Intern at the UCSD Moore Cancer Center Nutrition Research Department

- Assisted with lab research projects concentrated on preparing and analyzing samples for carotenoid levels in trial accepted patients using HPLC chromatography and spectrophotometric analysis

[August 2013-August 2014]

Administrative Assistant at Summa Education

- Compiled data regarding the performances of students on SAT Practice Exams into spreadsheets for streamline evaluation.

[January 2016-Present]

Undergraduate Researcher in the Di Carlo Lab

- Produced and used Vortex and Droplet Generation Microfluidic Devices for separation, encapsulation, and analysis of Circulating Tumor Cells
- Designed and 3D printed stands for aforementioned experimental process using AutoCAD and Resin 3D Printing
- Performed experiments using the Zeiss Light Fluorescence Microscope and ZenPro software to create fluorescence images of encapsulated cells for analysis
- Worked on Immunofluorescence project attempting to bind fluorescent antibodies onto PD-L1 Protein receptors without fixation to correlate expression of these receptors with protease secretion levels

