

# ROSA CHAN

SAGE Scholar

## EDUCATION

### **University of California, Berkeley**

B.S. Molecular Toxicology, May 2010

### **City College of San Francisco GPA: 3.82**

Stem Cell Certificate, Spring 2008

**Relevant Coursework:** Biology, Chemistry, Organic Chemistry, Human Physiology, Mammalian Cell Culture, Fluorescent Technology, Stem Cell Technology, Biochemistry, Toxicology

## **LABORATORY SKILLS**

UV spectroscopy, preparing dilutions and buffers, titration, SDS page, troubleshooting on AKTA unit, Agilent BioAnalyzer, autoclaving, packing columns, chromatography on AKTA unit, homogenization, centrifugation, filtration

## WORK EXPERIENCE

### **Genentech Intern, Department of Late Stage Purification Process Research and Development**

Summer 2008

Project: Performed studies to evaluate antibody degradation

- Evaluated different stabilizers to prevent antibody degradation in cell culture fluid
- Followed protocol to test stabilizer using lab scale to test centrifugation, and filtration methods
- Managed numerous studies simultaneously
- Purified harvested cell culture fluid over Protein A resin on G. Healthcare AKTA
- Performed protein analysis using Agilent BioAnalyzer
- -Presented the results to 20 colleagues

### **Biology Department Lab Aide, City College of San Francisco, California**

Aug07-May08

- Prepared toxic/non-toxic stock solution meticulously in an independent setting
- Communicated effectively with my supervisor about inventory levels for multiple experiments
- Worked cohesively with a group of five people to set up laboratory equipment for classes

### **Math and Chemistry Tutor, City College of San Francisco, California**

Aug06-May08

- Explained concepts to a group of 5-8 college students to understand and clarified class material
- Provided counseling to assist students who were not doing well in classes
- Organized study groups for students in chemistry classes which enable them to excel in class

## ACCOLADES/ACHIEVEMENTS

National Science Foundation Scholarship Recipient in Spring 2007

Genentech Scholar 2008

## ADDITIONAL SKILLS

**Languages:** Portuguese, Spanish, English, and Chinese dialect similar to Cantonese

**Interests:** soccer, volleyball, and yoga