

Bassel Lawand

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WORK EXPERIENCE

Kwon Lab Research Group

Aug 2022 – Dec 2023

Organic Chemistry Research Assistant

Los Angeles, CA

- Worked on synthesis of strychnopivotine, optimizing alkylation methods, achieving significant improvements.
- Achieved a 90.8% yield in azidation reaction demonstrating exceptional lab technique and attention to detail.
- Conducted NMR analysis and chromatography for compound purification, identification, and reaction integrity.

Ohashi Lab Research Group

Apr 2023 – Aug 2023

Biology Research Assistant

Sendai, Japan

- Investigated JIP, DLK, and PHD3 proteins' colocalization gaining insight on cell signaling under osmotic stress.
- Applied fluorescence microscopy to visualize protein-organelle interactions in stress response mechanisms.
- Utilized transfection and gene-knockout to carry out experiments on regulatory pathways and expression.

Cedars-Sinai Medical Center

Mar 2024 – Present

TCAB Volunteer

Los Angeles, CA

- Assisting patients by enhancing satisfaction for over 30 patients monthly, responding to needs and requests.
- Supporting nursing staff by managing informational services, preparing supplies, and coordinating logistics.

Private Tutor

Sept 2020 – Jun 2021

Chemistry and Physics Instruction

Remote

- Facilitated interactive learning sessions fostering critical thinking and problem-solving skills in students.
- Implemented effective teaching strategies for complex concepts, resulting in improved student comprehension and interest in STEM subjects.

EDUCATION

University of California Los Angeles

Sept 2021 – Jun 2025

Undergraduate Biochemistry

Los Angeles, CA

- Maintained a 3.87 GPA in Chemistry and Biochemistry courses, demonstrating strong analytical skills.

Tohoku University – Study Abroad

Apr 2023 – Aug 2023

Research Program

Sendai, Japan

- Enhanced Japanese language proficiency and cultural understanding through classes and immersion.
- **Biology Research:** Dedicated over 300 hours researching novel protein interactions under cellular osmotic stress for Ohashi Lab.

SKILLS & INTERESTS

- **Certifications:** Basic Life Services
- **Skills:** Strategic Thinking; Adaptive Leadership; Cross-Cultural Engagement; Clear Communication; Organizational Agility; Stress Resilience; Continuous Learning; Innovation in Research; Educational Mentorship; Empathetic Interaction.
- **Interests:** Playing Cello; Cooking; Art; Reading; Building Legos; Watching Movies; Eating Sweets; K-Pop.