

LESTER WYNN

Biochemistry

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(622) 222-9999

SUMMARY OF QUALIFICATIONS

- NMR Spectroscopy
- Reduced pressure synthesis
- Small molecule purification
- SDS PAGE electrophoresis
- Agarose Gel electrophoresis
- Knowledge of chemical disposal
- DNA Recombination
- Skilled in Microsoft Office
- Social Networking Skills

EDUCATION

Bachelor of Science in Chemistry: Option in Biochemistry

May 2020

Minor in Biology, *Cum Laude*

CSU Channel Islands, Camarillo, CA

RESEARCH EXPERIENCE

Research Associate

Jan. 2018-Present

Creation of Ferulolactone in Production of Asymmetrical Curcumin

PI: Phillip Hampton, Ph.D.; CSU Channel Islands, Camarillo, CA

Creation of Asymmetric Curcumin through production of ferulolactone, which is an inhibitor of the enzyme β -secretase

- NMR spectroscopy, reduced pressure synthesis, experimental design, slow addition techniques applied
- General stock inventory, lab maintenance and hazardous waste disposal
- Oversaw junior lab associate in design and synthesis of experiments in the field of organic synthesis
- Presented research findings at several conferences through poster presentations

Research Associate

Jan. 2018-Present

Investigating the Stability of the Copper Binding Protein CusF by C-terminus Truncation via Mutagenesis

PI: Blake Gillespie, Ph.D.; CSU Channel Islands, Camarillo, CA

- Transformed desired *E. coli* cells to produce desired mutations, then purified desired proteins for unfolding experiments

Intern/ Research Associate

Jan. 2017-Present

Formation of Heterotrimeric Supramolecule in Treatment of Macular Degeneration

PI: Luke Theogaragan, Ph.D.; Supervisor: Andrew Merithew; UC Santa Barbara, Goleta, CA

- Devised synthesis of all-trans retinol and crown ethers as a starting molecule for an electrically active supramolecule designed to function as a retinal prosthetic
- Maintained hazardous waste disposal according to UCSB's OSHA office standards
- Sustained and maintained chemical stock room inventory and ordered supplies on an as-needed basis
- Presented data weekly to the research group, general public and internship group

Intern/Research Associate, HSI Summer Institute

Summer 2017

Investigating the Stability of the Copper Binding Protein CusF by C-terminus Truncation via Mutagenesis

PI: Blake Gillespie, Ph.D.; CSU Channel Islands, Camarillo, CA

- Formed, examined and wild type *CusF* and probed the free energy of unfolding using fluorescence spectroscopy

PROFESSIONAL DEVELOPMENT & PRESENTATIONS

- **Southern California Undergraduate Research Conference in Bio-Chemistry** December 2019
Poster Presentation, CSU Channel Islands
- **Summer Undergraduate and Graduate Research Colloquium, UCSB** August 2019
Title: *Molecular Shuttles*
- **HSI Summer Institute Poster Colloquium, CSU Channel Islands** June 2019
Title: *Investigating the Stability of the Copper Binding Protein CusF by C-terminus Truncation via Induced Mutagenesis*

ALTERNATIVE WORK EXPERIENCE

Career Resource Assistant

CSU Channel Islands, Camarillo, CA

August 2019- Present

- Demonstrated website and other resources to students and employers
- Directed students to campus resources including on-campus employment and graduate school resources
- Provided peer-to-peer critique and mentorship in the career process
- Strong foundation in creating spreadsheets for budgetary and tracking purposes using Microsoft Excel

Private English and Chemistry Tutoring

Ventura, CA

June 2019-Present

- Simplified topics in Chemistry and Mathematics to students who had never been exposed to science prior
- Advised on term paper writing skills. One student improved from “failing” to “passing.”
- Developed lesson plan for SAT preparation and guided students through the college admission process

Service Learning, Science Carnival

September-October 2018

CSU Channel Islands, Camarillo, CA

- Coordinated with Student Life to promote awareness of and attendance at the event
- Recruited faculty, staff and students across disciplines and departments for event
- Published articles in the school newspaper and newsletter to promote the event

ACADEMIC AWARDS AND SCHOLARSHIPS

- Dean’s List, CSU Channel Islands 2019
- PEO Scholarship 2019
- Business and Technology Partnership Scholarship 2018
- James V. and Idah W. Ilif Memorial Scholarship 2018
- Lee K. Schwab Memorial Scholarship 2017
- Dean’s List, Oxnard College 2015-2017