

ELISE DENGHAUSEN

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Education

University of California, Los Angeles
B.S. in Neuroscience
Minor in Society and Genetics
GPA: 3.813

2017-2021

Baylor College of Medicine
Ph.D. in Neuroscience
GPA: 4.0

2021-Present
Expected graduation: 2026

Awards and Scholarships

Baylor College of Medicine

Professor John J. Trentin Scholarship Award

2022

University of California, Los Angeles

Life Science Dean's Neuroscience Research Scheibel Award

2020-2021

- Award to fund undergraduate neuroscience research at UCLA.
- Summer 2020: \$5,000 stipend for 320 hrs of research, \$500 for programmatic activities.
- Academic year 2020-21: \$9,500 stipend for research 19 hrs/week, 10 weeks/quarter.

CARE Fellows Program

Jan-March 2019

- Fellowship to provide students financial support while conducting research.
- Funded \$1050 for 10 hrs/week, 100 hrs/quarter.

Life Science Scholarship

2017-2021

- Scholarship to support undergraduates in STEM.
- \$5,000/yr for 4 years of undergrad.
- Personally granted by UCLA Dean of Life Science Victoria Sork.

Abstracts

Lerma, V., Serrallach, B., Denghausen, E., Franzen, R., Deisseroth, C., Amaya, S., Corriveau, M., Devara, E., Goin-Kochel, R., Meoded, A., Chao, H-T. (2022) *Neurofunctional and neuroanatomical markers of EBF3-related Neurodevelopmental disorders*. Child Neurology Society Conference

Research Experience

Graduate Student, Yau Lab, BCM Neuroscience Department

2022-Present

Causal Inference of Somatosensory Stimuli over Bimanual Touch

- Design, program, and administer tactile stimuli paradigm using MATLAB.
- Preprocess and analyze neuroimaging data in AFNI.
- Model neural computations using Python.
- Transcranial Magnetic Stimulation localization and administration.

Undergraduate Researcher, Schweizer Lab, UCLA Neurobiology Department

2019-2021

Electrophysiological Identification of Molecular Mechanisms of Ziram-induced Synaptic Vesicle Release in Drosophila melanogaster.

- Drosophila melanogaster care, husbandry, and inventory.
- Dissection of Drosophila melanogaster larvae.
- Electrophysiological recording at the neuromuscular junction.
- Handled toxic pesticides and chemicals.

- Analyzed data and prepared figures.
- Trained new undergraduates.

Teaching And Leadership Experience

Baylor College of Medicine Admissions Symposium

2022

- Conducted mock interview for graduate school applicants.
- Advised students how to prepare for a graduate school admissions interview.
- Provided guidance on graduate school applications and admissions process.

Santa Clara Vanguard Drum and Bugle Corps, 7-time DCI World Champion

2017-present

Participating as a member and a leader at the Santa Clara Vanguard has taught me how to build and lead a team, communicate effectively, and mediate conflict while refining my discipline and perseverance.

Field Painting Captain

2018

- Hand-spray-paint football fields for the 154 person corps to rehearse on each day.
- Trained, motivated, and led a 16-member team to perform a highly interdependent job.
- Modified and implemented a new field painting system, which resulted in a reduction in field painting time by 25%.
- Communicated requirements and resolved disputes to allow for maximum productivity, sleep, and well-being of team members within a highly restricted schedule.
- Coordinated with staff the types and locations of fields required and supplies needed.

Horn Sergeant and Section Leader

2019-2020

- Responsible for performance, logistics, and well-being of an 80+ person hornline.
- Delegating responsibilities among my 4-person leadership team.
- Resolved concerns through conflict mediation, solution-oriented actions, or directing to the appropriate administration.
- Scheduled and hosted frequent meetings with staff and members across the US and Taiwan.
- Maintained beneficial connections with alumni and volunteers.
- Established a Horn Sergeant Handbook as a source of information and guidelines for future years.
- Instilled in the hornline 52 years of history, values, and traditions from our organization.

Work Experience

Kingsley MFG Co. Orthotics & Prosthetics Supplies

2020

Calibrated and operated prosthetic mold-pouring machine, drill-press, sanding belt, and other manufacturing equipment.

Renovated storehouse and created a more efficient system of product storage to improve inventory accuracy.

Quality-checked, prepared shipping labels, and packaged products.

Newport Mesa Powder Coating, Inc, Assistant to Manager

2016-2017

Operated sandblasting machinery, processed, and screened items before being cured in industrial oven.

Expedited paint color locating and consolidated powder storage, resulting in increased efficiency of product handling.

Organized and filled invoices and paperwork.