

Daniel J. Guion
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ACADEMIC TRAINING/EDUCATIONAL HISTORY

Shoreline Community College, Shoreline, Washington
2015-2017, No Degree Awarded

University of Washington, Seattle, Washington
2017-2020, B.S. Biology – Molecular, Cellular, & Developmental (June, 2020)
2017-2020, B.A. Psychology (June, 2020)

University of California, Los Angeles, California
2023-present, Ph.D Program in Biochemistry, Structural and Molecular Biology

TEACHING AND RESEARCH EXPERIENCE

Teaching Assistant, Shoreline Community College
Jamaica Study Abroad and Service Learning Program, 2017
Taught 6th-grade classrooms at Penlyne Castle Primary School in English, math, and science with the goal of joint education and learning across cultural barriers.

Undergraduate Research Assistant, University of Washington
Department of Pharmacology, 2019-2020
Investigated the role of TAOK2 kinase substrate HDAC6 in neuronal development.
Designed and executed experiments to determine how TAOK2 phosphorylation of HDAC6 modulates neuronal outgrowth.

Research Associate, Good Therapeutics Inc. 2020
Created allosterically regulated, bispecific protein drug for applications in oncology.

Research Associate I-II, A-Alpha Bio Inc. 2020-2023
Using synthetic biology and machine learning to measure, understand, and engineer protein-protein interactions.

Teaching Assistant, University of California, Los Angeles
Department of Chemistry & Biochemistry, 2023-present
Teaching undergraduate students laboratory biochemical methods through an integrated term-long project involving biofuel production in bacteria.

Graduate Student Researcher, University of California, Los Angeles
Department of Chemistry & Biochemistry, 2023-present
Characterizing and designing protein biochemistry using diverse computational methods.

AWARDS AND DISTINCTIONS

University of Washington Dean's List, 2017, 2018, 2020
Mary Gates Endowment for Students Research Scholarship, 2020
Lab and Research Committee Member, SoundBio Labs, 2020-2022
Ad-hoc Lab Incident Commission Member, SoundBio Labs, 2020
Project Review Subcommittee Member, SoundBio Labs, 2021-2022
Lab Manager Recruitment Committee, SoundBio Labs, 2021-2022
Fundraising Committee Chair, SoundBio Labs, 2022-2023
Board Member, SoundBio Labs, 2022-2023

CONFERENCE PRESENTATION

Uncovering Substrates of Autism Risk Gene TAOK2 Kinase, Oral presentation at Undergraduate Research Symposium, University of Washington, 2020

PUBLICATIONS

1. Engelhard, E., Lopez, R., Emerson, R., Lin, C., Shikany, C., Guion, D., Kelley, M. & Younger, D. 2022. Massively Multiplexed Affinity Characterization of Therapeutic Antibodies Against SARS-CoV-2 Variants, *Antibody Therapeutics* Volume 5, Issue 2, Pages 130–137
2. Engelhard, E., Emerson, R., Shing, L., Linnertz, C., Guion, D., Kelley, M., Lin, C., Lopez, R., Younger, D. & Walsh, M. 2022. A Dataset Comprised of Binding Interactions for 104,972 Antibodies Against a SARS-CoV-2 Peptide, *Sci Data* 9, 653