

Taylor Johnson

Resume

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I design, optimize, scale, and execute experimental and operational workflows from sample acquisition to data analysis to answer complex biological questions with well-documented results.

Professional strengths

- Pride in high-quality project deliverables
- Proactive solutions and informed decision making
- Adoption of new techniques for improved workplace speed and efficiency

Employment History

Staff Research Associate at University of California | San Francisco, CA.

2018 – present

SRA III – Lab Manager for [Dr. Jennifer Yokoyama](#) at the UCSF Fein Memory and Aging Center (MAC)

- **Wet lab**
 - Lead protocol and experimental design for genomic and molecular biology studies from sample collection to data generation
 - Collaborate on study aims and design across multiple project teams
 - **Technological expertise:** Next Generation Sequencing library preparation (DNA, RNA, targeted, single cell, single nucleus), droplet digital PCR, qPCR, flow cytometry, cryostat tissue sectioning, cell culture, clinical sample processing, nucleic acid and protein preparation/purification, QA/QC
 - **Clinical specimen expertise:** Fresh-frozen post-mortem human brain tissue, whole blood, peripheral blood mononuclear cells, plasma, cerebrospinal fluid (CSF)
 - Developed and expanded the Yokoyama wet lab from early beginnings: fostered cross-lab relationships, new sample acquisition and processing pipelines (e.g., human brain tissue, CSF, plasma), and developed strategies to support evolving research priorities
 - Wet lab managerial and administrative lead: staff and graduate student training, team hiring, capital equipment procurement
 - Consultant at the MAC Clinical Specimen Processing Lab for protocol development, specimen processing, storage, and logistics
 - Authorship and review of manuscripts and contribute to data analysis and publication efforts
- **Dry lab**
 - Revived a retrospective cohort study leading to publication (Johnson et al. Neurocase, 2025) and adjunct [data sharing](#) effort
 - Analysis of datasets to support ongoing projects
 - Computational proficiencies: R, bash, GitHub
 - Design, development, and maintenance of the Yokoyama Lab biorepository database (FreezerWorks LIMS)

Research Associate at California Polytechnic State University | San Luis Obispo, CA.

2017 – 2018

Research Associate – Lab associate for Dr. Marie Yeung

- Probing Human Epithelial Cell Responses to Commercial Probiotic Bacterial Strains
 - Presented at the 2018 CSUPERB Biotechnology Research Symposium
- Enhancing Recoverability of Lyophilized Lactic Acid Bacteria
 - Presented at the 2017 College of Science and Mathematics Student Research Conference

Harmony Cellars | Harmony, CA.

2014 – 2018

- Tasting Room Attendant
- Harvest Intern

Law Estate | Paso Robles, CA.

2014

- Harvest Intern

Education

California Polytechnic State University, San Luis Obispo

2015 – 2018

- Bachelor of Science in Wine and Viticulture; concentration: Enology (GPA 3.65; graduation Honors: Cum Laude)
- Minor: Microbiology
- Recipient of faculty awarded, Academic Scholar Grant (2018)

Santa Barbara City College

2011 – 2014

- Associate of the Arts in Science and Math (GPA 3.52; graduation with Honors)

Selected Publications

Johnson, Taylor P., et al. "Reduced levels of angiogenesis biomarkers predict increased symptom severity in Chinese Americans with Alzheimer's disease with demographic-specific effect." Neurocase, vol. 31, no. 2, 9 Feb. 2025, pp. 82–91, <https://www.tandfonline.com/doi/full/10.1080/13554794.2025.2455759>.

Sirkis, Daniel W., Caroline Warly Solsberg, Taylor P. Johnson, Luke W. Bonham, Virginia E. Sturm, et al. "Single-cell RNA-seq reveals alterations in peripheral CX3CR1 and nonclassical monocytes in familial tauopathy." Genome Medicine, vol. 15, no. 1, 18 July 2023, <https://link.springer.com/article/10.1186/s13073-023-01205-3>.