

# Taylor Johnson

Resume  
[tpjohns93.github.io](https://tpjohns93.github.io)  
[tpjohns93@gmail.com](mailto:tpjohns93@gmail.com)

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

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|--|-----------------------|
| <b>Staff Research Associate at University of California   San Francisco, CA.</b>   | <b>2018 – present</b> |
| <b>SRA III – Lab Manager for Dr. Jennifer Yokoyama at the UCSF Fein Memory and Aging Center (MAC)</b>  |                       |
| • <b>Wet lab</b>   |                       |
| ○ 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   |                       |
| ■ <b>Technological expertise:</b> Next Generation Sequencing library preparation (DNA, RNA, targeted, single cell, single nucleus), cryostat tissue sectioning, cell culture, flow cytometry, digital PCR, qPCR, clinical sample processing, nucleic acid and protein preparation/purification, QA/QC              |                       |
| ■ <b>Clinical specimen expertise:</b> 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 fruitful cross-lab relationships, established new sample acquisition pipelines (e.g., human brain tissue, CSF, plasma), team hiring, capital equipment procurement, and developed strategies to support evolving research priorities |                       |
| ○ Managerial and administrative lead for wet-lab operations, staff and graduate student training   |                       |
| ○ Consultant at the MAC Specimen Processing Lab for protocol development, specimen processing, storage, logistics  |                       |
| ○ Authorship and review of manuscripts and contribute to data analysis and publication efforts   |                       |
| • <b>Dry lab</b>   |                       |
| ○ Revived a retrospective cohort study leading to publication (Johnson et al. Neurocase, 2025) and <a href="#">adjunct data sharing effort</a>   |                       |
| ○ Analysis of a variety of datasets to support ongoing projects  |                       |
| ○ Computational proficiencies: R, bash, GitHub   |                       |
| ○ Design, development, and maintenance of the Yokoyama Lab biorepository database (FreezerWorks LIMS)  |                       |

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|---|--------------------|
| <b>Research Associate at California Polytechnic State University   San Luis Obispo, CA.</b> | <b>2017 – 2018</b> |
| <b>Research Associate – Lab associate for Dr. Marie Yeung</b>                               |                    |

- 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

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| <b>Harmony Cellars   Harmony, CA.</b> | <b>2014 – 2018</b> |
| <b>Harvest Intern</b>                 |                    |

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|--------------------------------------|-------------|
| <b>Law Estate   Paso Robles, CA.</b> | <b>2014</b> |
| <b>Harvest Intern</b>                |             |

## Education

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|---|--------------------|
| <b>California Polytechnic State University, San Luis Obispo</b>   | <b>2015 – 2018</b> |
| <b>Bachelor of Science in Wine and Viticulture; concentration: Enology (GPA 3.65; graduation Honors: Cum Laude)</b> |                    |

- Minor: Microbiology
- Recipient of faculty awarded, Academic Scholar Grant (2018)

|   |                    |
|---|--------------------|
| <b>Santa Barbara City College</b>   | <b>2011 – 2014</b> |
| <b>Associate of the Arts in Science and Math (GPA 3.52; graduation with Honors)</b> |                    |

## 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://doi.org/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://doi.org/10.1186/s13073-023-01205-3>.