

Skye Glenn, PhD

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Professional Summary Stanford PhD in Molecular Biology with business skills looking to make an impact in biotech. Experienced in cross-functional collaboration, managing complex research projects, and implementing innovative solutions. Skilled in data analysis, problem solving, effective communication, and leadership, with a strong foundation in biological sciences.

Professional Experience

Desert Skye Seeds

Sept 2024-Present

Creator and Owner

- Conducted market research, identified latent demand for native plants and low local fulfillment.
- Implemented project management tools to launch a small wildflower seed supplier and information source (<https://www.instagram.com/desert.skye.seeds>).
- Product sold in brick-and-mortars and online. Establishing foundational relationships serving 12 customers. Revenue positive within 2 months of launch. Currently expanding offerings and formalizing online sales.

Howard Hughes Medical Institute | Stanford University

Jan-July 2024

Doctoral Researcher

- Contributor to retrospective commissioned by Cell on pioneering biologist Dr. Jacobs-Wagner, "Through the looking glass: An adventure into the metastable world of the bacterial cytoplasm".
- Coordinated cross-disciplinary collaborations, integrating modeling and quantitative analytical techniques.

Jacobs-Wagner Laboratory | Stanford University and Yale University

Aug 2016-Dec 2023

PhD Candidate Researcher

- Managed concurrent research projects, producing two publications in high-impact journals: "Coupling of cell growth modulation to asymmetric division and cell cycle regulation in *Caulobacter crescentus*" in PNAS, and "Genome concentration limits cell growth and modulates proteome composition in *Escherichia coli*" in eLife.
- Adapted new methodologies for measurements using super-resolution microscopy, published dissertation: "Balance and coordination between cell growth and DNA replication in distantly related bacteria."
- Founded and organized the Microbial Sciences Institute Community Building Committee, achieving 95% attendance (of approximately 60 community members) at inaugural retreat.
- Initiated and led the first MCDB Mentorship Workshop, receiving 100% positive feedback from attendees.
- Instructed graduate-level Science Communication course for ~35 researchers.

Wang Lab | UC Berkeley

Aug 2014-May 2016

Undergraduate Researcher

- Secured SPUR Grant to fund population genetics research of California newt, received Major Citation Award.

Education

- Certificate for Fundamentals of Project Planning and Management, **Darden School of Business**, 2024
- PhD in Molecular Biology, **Stanford University**, 2023
- MS in Molecular, Cellular and Developmental Biology, **Yale University**, 2018
- BS in Molecular Environmental Biology, **UC Berkeley**, 2016, *Summa cum laude*
- Environmental Science, **Santa Barbara City College**, 2014

Additional Experience

- **Recipe developer**, Outpost 29 Palms (May-Sept 2024): Developed gluten free pastry recipes for a new cafe contributing to business growth, local notoriety, and positive customer reviews.
- **Sous chef**, White Lotus Foundation (2009-2014): Produced healthy, innovative vegan meals for groups of 40.

Technical Skills

- **Project Management Tools:** Work Breakdown Structures, Gantt charts, Kanban
- **Research Tools:** Data analysis in MATLAB and Python (libraries: numpy, pandas, seaborn, tensorflow), object detection with neural network image segmentation, Adobe Illustrator, fluorescence microscopy, single molecule tracking, Gibson assembly, flow cytometry, bioconjugation, gel electrophoresis

Extracurriculars Horse trainer (jumpers) | Baking | Hosting dinners | Cooperative living | Rock climbing

References

Dr. Christine Jacobs-Wagner | Advisor | Stanford
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Dr. Yashna Thappeta | Colleague | Stanford
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