






Geoff Zahn

Assistant Professor

June 2021

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About me

I am a microbial ecologist and bioinformatician focused on community ecology of host-associated microbes. I speak R, Bash, and Python

Professional Appointments

Assistant Professor Utah Valley University | 2017 - Current.
Director of Environmental Biology GeoDataCrawler Res. Inst. | 2018 - 2020.
Postdoc University of Hawaii at Manoa | 2015 - 2017.

Education

2015 PhD - Biology University of Arkansas
2010 B.S. - Biology Missouri State University

Peer-Reviewed Publications (5 most recent)

For full list of publications see full CV

1. Egan, C. P., Koko, J. H., Muir, C. D., Zahn, G., Swift, S. O. I., Amend, A. S., & Hynson, N. A. (2021). Restoration of the mycobiome of the endangered Hawaiian mint *Phyllostegia kaalaensis* increases its resistance to a common powdery mildew. *Fungal Ecology*, 52, 101070. <https://doi.org/10.1016/j.funeco.2021.101070>
2. Tipton, L., Zahn, G. L., Darcy, J. L., Amend, A. S., & Hynson, N. A. (2021). Hawaiian Fungal Amplicon Sequence Variants Reveal Otherwise Hidden Biogeography. *Microbial Ecology*. <https://doi.org/10.1007/s00248-021-01730-x>
3. McGee, S., Tidwell, A., Riggs, E., Veltkamp, H., & Zahn, G. L. (2020). Long-term soil fungal community recovery after fire is impacted by climate change. *bioRxiv*, 2020.10.09.333443. <https://doi.org/10.1101/2020.10.09.333443>
4. Wainwright, B. J., Zahn, G. L., Afq-Rosli, L., Tanzil, J. T. I., & Huang, D. (2020). Host age is not a consistent predictor of microbial diversity in the coral *Porites lutea*. *Scientific Reports*, 10(1), 14376. <https://doi.org/10.1038/s41598-020-71117-4>
5. Darcy, J. L., Swift, S. O. I., Cobian, G. M., Zahn, G. L., Perry, B. A., & Amend, A. S. (2020). Fungal communities living within leaves of native Hawaiian dicots are structured by landscape-scale variables as well as by host plants. *Molecular Ecology*, 29(16), 3102–3115. <https://doi.org/10.1111/mec.15544>

Awards and Funding

Total funding amount: \$1,164,037 | For full funding info, see full CV

Funding sources:

- NSF
- Mycological Society of America
- O'ahu Army Natural Resources Program
- Capitol Reef National Park Field Station
- Japan Society for Promotion of Science
- DOE Joint Genome Institute

Teaching

For course examples, see my teaching website

- Data analysis for biologists
- Bioinformatics data skills
- Mycology
- Intro to undergraduate research
- Introductory biology