


E. Maggie Sogin

Curriculum Vitae

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Dr. E. Maggie Sogin
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Assistant Professor
Molecular and Cell Biology
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EDUCATION & PROFESSIONAL EXPERIENCE

- Since* **Assistant Professor**, Department of Molecular and Cellular Biology, University of California at Merced, Merced, California, USA
01/2021
- 01/2020-* **Project Leader**, Department of Symbiosis, Max Planck Institute for Marine
11/2020 Microbiology, Bremen, DE
- 01/2016-* **Post-doctoral Scientist**, Department of Symbiosis, Max Planck Institute for Marine
12/2019 Microbiology, Bremen, DE
- 04/2015* **PhD, University of Hawaii, Manoa, HI**
Department of Zoology & Hawaii Institute of Marine Biology
Advisor: Dr. Ruth D. Gates
Thesis title: A metabolomic investigation in reef building corals: development and utility of metabolite profiling tools
- 05/2009* **ScB, Honors, Brown University, Providence, RI**
Marine Biology, Department of Ecology and Evolutionary Biology

PUBLICATIONS

13. **Sogin EM** et al. (2022) Sugars dominate the marine rhizosphere. **Nature Ecology & Evolution**
12. **Sogin EM**, et al. (2021) Life in the dark: phylogenetic and physiological diversity of chemosynthetic symbioses. **Annual Review of Microbiology**.
11. Bennet GM, Heath-Heckman E, and **Sogin EM** (2021) Finding needles in haystacks and inferring their function: challenges and successes in beneficial symbiosis research. **mSystems**. *not-referred commentary*
10. **Sogin EM**, Leisch N, Dubilier N (2020) Chemosynthetic symbioses. **Current Biology**. **Invited primer into the field, not-referred*
9. **Sogin EM**, et al. (2019) Marine metabolomics: a method for the non-targeted measurement of metabolites in seawater by gas-chromatography mass spectrometry. **mSystems**. **Article was selected as the Editors' Pick*
8. Geier B*, **Sogin EM**, Janda M*, Kompauer M, Michellod D*, Dubilier N, Liebeke M. (2019) Spatial metabolomics of in situ, host-microbe interactions. **Nature Microbiology**
7. Wilkins LGE, et al. (2019) Host-associated microbiomes and their roles in marine ecosystem functions. **PLoS Biology**.
6. **Sogin EM**, et al. (2017). Interspecific congruency of the coral holobiont metabolome with symbiotic bacteria, archaea and *Symbiodinium* communities. **Environmental Microbiology Reports**.

5. **Sogin EM**, et. al (2016). Metabolomic signatures of increases in temperature and ocean acidification from the reef-building coral, *Pocillopora damicornis*. **Metabolomics**.
4. Claar CD, et al. (2015). Embracing complexity in coral-algal symbiosis. **Algal Symbioses**. (Book Chapter)
3. **Sogin EM**, et al (2014). Application of ¹H-NMR metabolomic profiling for reef-building corals. **PLoS One**
2. Yost DM, Wang LH, Fan TY, Chen CS, Lee RW, **Sogin EM** and Gates RD (2013). Diversity in skeletal architecture influences biological heterogeneity and *Symbiodinium* habitat in corals. **Zoology** 116(5): 262-269
1. Allen JJ, et. al. (2010) Cuttlefish dynamic camouflage: responses to substrate choice and integration of multiple visual cues. **Proceedings of the Royal Society: Biological Sciences** 1684:1031-1039

CURRENT AND PENDING SUPPORT

2021-2023 <i>Current</i>	Eisen J (PI), Stachowicz J (CO-PI), Sogin EM (CO-PI) <i>Zostera marina</i> as a model systems for marine symbioses, Gordon and Betty Moore Foundation (\$300,000)
2022-2023 <i>Current</i>	Sogin EM (PI), Nobile C (CO-PI), Hernday A (CO-PI), Grasis J (CO-PI) Microbial communities associated with the seagrass <i>Zostera marina</i> , UC Merced Academic Senate Award (\$20,000)
2023-2026 <i>Current</i>	Nishigushi, M (PI), Bennett G (CO-PI), Rutter E (CO-PI), Sogin EM (CO-PI), Heath-Heckman E (CO-PI) BII-Implementation: INSITE: INstitute for Symbiotic Interactions, Training, and Education in the face of Climate Change (\$12,500,000)
2023-2025 <i>current</i>	Sogin E (PI) BRC-Bio: Defining metabolic complementation within the sea anemone microbiome, NSF (\$499,071)

PREVIOUS FUNDING, GRANTS RECEIVED AND AWARDS

2019	Sign up! Career building workshop for excellent post-docs part of the MPG
2018	Tom Brock Award for Most Innovative Research by an Early Career Scientist, International Society for Microbial Ecology Symposium, Leipzig, DE
2011-2014	University of Hawaii EPSCoR ECOGEM Fellow, PhD fellowship , \$77,000
2014	University of Hawaii Dai Ho Chun Fellowship, PhD fellowship, \$1500
2012	NPS George Melendez Wright Climate Change Grant, \$19,962
2012	Marine Technological Society Graduate Funding Award
2011	Mai Tegner Award, Best paper in applied ecology, Western society of Naturalists, Vancouver, WA
2011	NSF East Asian and Pacific Island Summer Institute Fellow, PhD Fellowship to travel and work in Taiwan, \$8,100
2010	UH Manoa Edmondson Foundation Grant In Aid of Research Award