



## Anna Rasmussen

Affiliate, Earth System Science

### Bio

---

#### BIO

I am interested in how Earth's smallest constituents, microbes, cycle nutrients in aquatic ecosystems. I earned my PhD from the Department of Earth System Science at Stanford University focused on microbial ecology. I used molecular and biogeochemical approaches to understand the abundance, distribution, and activity of nitrifying bacteria and archaea in San Francisco Bay. My research used DNA, RNA, nitrification rate, and water quality data to uncover and characterize recurring massive ammonia-oxidizing archaea blooms in South Bay. For my postdoctoral work, I will use metagenomics to study subsurface microbial ecology in a river floodplain in collaboration with the Floodplain Hydro-Biogeochemistry Scientific Focus Area managed by a team at the SLAC National Accelerator Laboratory.