

Break-out group summary: Microbes

Group members: Trina McMahon, Stuart Jones, Cayelen Carey, Stefan Bertilsson, Sally Holbrook

*“What are the major drivers of microbial community diversity, composition, and dynamics in lakes of different types, sizes, and in different locations?”*

- What sampling frequency is sufficient to perceive these drivers?
- Disturbance as a proximate driver (need to identify ultimate)
- Relate these to high-frequency phys/chem data from buoys
- Assess food-webs/communities/populations
- Federation of laboratories that would collect and distribute (share) samples so that each principle investigator can look at his or her own pet variables (e.g. community fingerprinting, individual populations or taxonomic groups).
- Period of high-frequency sampling with agreed upon protocols and strategy for distributing samples (need to build consensus on this without creating unreasonable burdens for individual labs/researchers)