Microbial Ecology in States of “Health” and Disease: Day 1

- Community is the unit; “emergent properties”
- Long-term vs. short-term selective forces
- How does it form? Assembly...deterministic factors vs. historical contingencies vs. stochastic factors?
- Timing: founders, priority effects; “open” vs. closed systems; windows of susceptibility
- Communities as part of larger ecosystem (genes, epigenetics, environment, “other”)
- Stability, resilience, and fitness landscape: importance of interactions...
Host-microbiome co-metabolism and its reach in remote organs

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