

# Unseen Partners: Manipulating Microbial Communities that Support Life on Earth

Monday, May 16th: 4:00 pm, with Lightning Talks starting at 4:15pm

Tuesday, May 17th: 3:45pm

Poster #	First Name	Last Name	Institution	Title
1	Anna	Seekatz	University of Michigan	Host-specific Fecal Microbiota Transplantation is More Effective in Treating Recurrent <i>Clostridium difficile</i> Infection in a Murine Model
2	Emily	Jutkiewicz	University of Michigan	TBA
3	Marc	Sze	University of Michigan	A Meta-Analysis of Obesity and the Bacterial Microbiome
4	Emily	Martin	University of Michigan	The Respiratory Virome: More Complex than "The Common Cold"
5	Sharon	Grim	University of Michigan	Seasonality-driven succession in a low-oxygen benthic microbial mat
6	Michelle	Berry	University of Michigan	Assessing primary productivity-diversity relationships and bacterial community stability during a western Lake Erie cyanobacterial harmful algal bloom
7	Geoffrey	Hannigan	University of Michigan	Novel Insights Into the Evolutionary & Functional Implications of Hypervariable Loci Within the Skin Virome
8	Niel	Baxter	University of Michigan	Microbiota-based models enhance detection of colorectal cancer
9	Matthew	Junior	University of Michigan	In search of the realized niche for <i>clostridium difficile</i> during infection
10	Jhansi	Leslie	University of Michigan	Intraspecific Competition and Host Adaptive Immunity from <i>C. difficile</i> Infection
11	Ellyn	Schinke	University of Michigan	Visualization & Characterization of Competence-Pneumocin Crosstalk in Pneumococcal Biofilms
12	Wenche	Borgnakke	University of Michigan	Effects of full-mouth extraction restored by implant-supported overdentures on glycemic control and C-reactive protein in uncontrolled type 2 diabetes
13	Kayla	Miller	University of Indiana Bloomington	Quorum sensing modulates biofilm formation by honey bee gut microbes
14	Jeseth	Delgado Vela	University of Michigan	Linking the nitrogen and sulfur cycles in wastewater treatment plants
15	Caroline	Van Steendam	University of Michigan	TBA
16	Patrick	Coit	University of Michigan	Sequencing of 16S rRNA Reveals a Distinct Salivary Microbiome Signature in Behçet's Disease
17	Kevin	Boehnke	University of Michigan	Reduced infectivity of viable but non-culturable <i>Helicobacter pylori</i> in water
18	Nadine	Kotlarz	University of Michigan	Inactivation of Drinking Water Bacterial Populations in a Full-Scale Ozone Contactor
19	Gregory	Bonito	Michigan State University	Using common garden soils and trap-plants to study effects of soil origin and host genotype on <i>Populus</i> and <i>Pinus</i> rootmycobionomes
20	Corine	Jackman	University of Michigan	Elucidating Bacterial Interactions in the Vaginal Microbiome Using Microfluidic Droplet Technology
21	Maureen	Onyeziri	University of Indiana Bloomington	Long-term Experimental Evolution of a Stable, Biofuel Producing Co-culture

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22	Ali	McCully	University of Indiana Bloomington	The effects of nitrogen exchange levels on microbial interactions in a synthetic syntrophic coculture
23	Aaron	Best	Hope College	Impacts of Macatawa Watershed Restoration: Profiling Microbial Communities and Transforming Undergraduate Education
24	Bopi	Biddanda	Grand Valley State University	Life's Gradient: Photosynthesis to Chemosynthesis in Low-Oxygen, High-Sulfur, Submerged Sinkhole Ecosystems of Lake Huron
25	Hildamarie	Caceres-Velazquez	University of Notre Dame	TBA
26	Marian	Schmidt	University of Michigan	TBA
27	Muhammad	Farhan Ul Haque	University of Michigan	Rare earth elements (REEs) regulate gene expression in methanotrophic bacteria
28	Rachel	Gicquelais	University of Michigan	Understanding Nonmedical Opioid Use through Transmission Modeling and Microbial Community Characterization
29	Matthew	Medina	University of Michigan	Genome sequence of a sulfate-reducing bacterium associated with cyanobacterial mats reveals metabolic versatility in a redox-stratified sulfidic environment
30	Janet	Price	University of Michigan	Functional Amyloids: Friend and Foe
31	Derek	Smith	University of Michigan	Hydrogen peroxide is a major environmental driver of microbial community composition and toxicity during a Lake Erie cyanobacterial harmful algae bloom
32	Simon	Stump	Michigan State University	Which trade-offs favor syntrophy?
33	Ghjuvan	Grimaud	Michigan State University	A cross-feeding network and its application in the honeybee gut
34	Kaitlin	Flynn	University of Michigan	Developing a mouse model for <i>Fusobacterium nucleatum</i> induced colorectal cancer
35	Simon	Evans	University of Michigan	Gut Microbiome Composition Varies in Bipolar Disorder and Associates with Self-Reported Severity of Illness
36	Wenyu	Gu	University of Michigan	The synthesis, secretion and uptake of methanobactin
37	Byron	Smith	University of Michigan	The longevity enhancing drug Acarbose modulates the gut microbiome and its fermentation products