



## The Microbial Ecology “Sandwich Club” is back!

Sunday, December 28<sup>th</sup> starting 9 AM  
Cohen Hall, Volcani Center, Rishon Lezion

An open, informal meeting dedicated to highlighting **student/postdoc** research in microbial ecology and applied microbiology. We have put together an exciting selection of 18 short presentations (out of over 40 excellent abstracts submitted), representing various niches, disciplines and methodologies (see final program below).



We look forward to hosting you all, with good science, fruitful discussion and enjoyable interactions.

		Title	Speaker
<b>Greetings</b>	<b>09:15</b>		
<b>Session 1</b>	09:30	Aerobic Methane Production in Nitrogen-depleted Environments	Lázaro García J.A., UOH
	09:45	Assembly to Engineering: Decoding Microbial Communities for Functional Resoration	Sarah Winkler, BGU
	10:00	Coexistence, Competition, and Control: Bacteria Chemical Interactions within the Soil Ecosystem	David C. Nwobodo, BGU
	10:15	Cross-feeding interactions expand metabolic versatility of the Palmahim cold seep	Stas Malavin, IOLR
	10:30	Cyanobacterial Membrane Vesicles: Composition and Roles	Ilia Tapelzon BIU
Coffee Break	10:45		
<b>Session 2</b>	11:05	Elevated temperature triggers transient resistance to viral infection in a cosmopolitan algae	Noa Shima, WIS
	11:20	Environmental structuring of the marine plasmidome	Lucy Androsiuk, IOLR
	11:35	Exploring bacterial secondary metabolites from disease-suppressive soils for management of soilborne pathogens	Hildah Amutuhare, ARO
	11:50	Microbial Spatial Organization in Soils	Omer Eyal, HUJI
Lunch break	12:05		
<b>Session 3</b>	13:00	Modifying Nitrous Oxide Emissions by Manipulating Bacterial Communities in Wheat Roots and Soil	Rona Ziskin, ARO
	13:15	Soil Microbial Diversity Decline Weakens Soil-Plant Function Under Heat Stress	Uttam Kumar, BGU
	13:30	Soil protists as gatekeepers of enteric bacteria in treated wastewater irrigated agriculture	Qian Li, BGU
	13:45	The silent partner: How a symbiotic Reovirus shapes parasitoid-host arms race	Gal Wodowski, ARO
	14:00	Two new clades of T7-like cyanophages: diversity, distribution and infection patterns based on omics data	Elena Khavin, Technion
Coffee Break	14:15		
<b>Session 4</b>	14:45	Uncovering the association between ciliate protozoa and bacteria in the Rumen	Lina Botero, ARO
	15:00	Unlocking the Metabolic Mechanisms of Biocontrol: Using Genome-Scaled Metabolic Models to Simulate Bacterial Community Dynamics on Apple Fruit	Rotem Bartuv, ARO
	15:15	Viral NblA proteins negatively affect oceanic cyanobacterial photosynthesis	Omer Nadel, Technion
	15:30	Wheat Domestication and Breeding Affect Its Rhizosphere Microbiome	Sharon Samuel, WIS
Closing remarks	15:45		
Finish	16:00		