Non-Mendelian inheritance and stress responses symposium: An open discussion across the tree of life 24 January 2023 9:00-15:30

The Steinhardt Museum of Natural History, Tel Aviv University

9:00-9:30	Arrival and registration	
9:30-9:35	Welcome address	Judith Berman
9:35-10:05	Keynote talk	Dan Jarosz
	Protein self-assembly	as a driver of stress-induced adaptation from molecules to
	ecosystems	
Session 1: Mediators of non-mendelian inheritance		
10:05-10:15	Session overview	Tzachi Pilpel
10:15-10:30	Oded Rehavi	Transgenerational Small RNA Inheritance
10:30-10:45	Dan Mishmar	Mitochondrial-nuclear co-evolution and coregulation in health
		and disease
10:45-11:00	Markus Ralser	Emerging roles of metabolic cell-cell interactions in generating
		phenotypic heterogeneity
11:00-11:20	Discussion	
11:20-11:45	Coffee break	
Session 2: Mechanisms of stress responses		
11:45-11:55	Session overview	Shula Michaeli
11:55-12:05	Ruth Hirschberg	Dynamics of bacterial adaptation under prolonged resource
		exhaustion
12:05-12:20	Uri Ben David	Aneuploidy as stress inducer and stress reducer in human
		cancer
12:20-12:45	Amir Mitchell	Microbiome adaptation to chemotherapy drugs and its
		potential impact on the treated host
12:45-13:05	Discussion	
13:05-14:00	Lunch and speed dating	
Session 3: Persistence, Tolerance, Resistance		
14:00-14:10	Session overview	Uri Alon
14:10-14:25	Yossi Yarden	The bacterial SOS Response: relevance to treatment of patients
		with lung cancer
14:25-14:40	Nathalie Balaban	Understanding drug response in the framework of the disrupted cell
14:40-14:55	Ronen Ben-Ami	Lost in translation: what will it take to introduce microbial
		tolerance and persistence into clinical trials
14:55-15:15	Discussion	
15:20-15:25	Concluding remarks	Yaara Oren