ChemLife Center Symposium:

Research Students Leading The Future

Wednesday, 25.11.2026

Nanocenter Auditorium (Bldg 206), Bar-Ilan University

ChemLife — Bar-Ilan —

8:30-9:15	Gathering & Registration	
9:15-9:30	Opening Remarks	
9:30-10:10	**SESSION I**	**Chemistry Before and Within Living Systems**
9:30-9:50	• Eliav Marland (HUJI)	Prebiotic precursors from drying reactions of amino and keto acids
9:50-10:10	• Zoe Levi (BGU)	Chemical decoding of bacterial quorum-sensing signals by the host
10:10-11:00	**FLASH TALKS**	
11:00-11:30	**Coffee Break**	
11:30-12:45	**Entrepreneurial Panel: Grad student today, entrepreneur tomorrow** • Dr. Michal Slutzki (IBI-Ag) • Dr. Ziv Zwighaft (Ambrosia Bio) • Prof. Hagay Shpaisman (BIU and Malanta Foods)	
12:45-14:00	**Lunch & Posters**	
14:00-15:20	**SESSION II**	**Engineered Systems, from DNA to Dish**
14:00-14:20	• Dor Breier (TAU)	Genome editing in hepatocellular carcinoma via lipid nanoparticles
14:20-14:40	• Cheli Lev (BIU)	Stem cell–derived testis organoids
14:40-15:00	• Tom Rotman (BIU)	Growth factor expression and biosensing for cultivated meat
15:00-15:20	• Paz Toledano (BIU)	Optical transparency in tissue via refractive-index modulation
15:20-15:40	**Coffee Break**	
15:40-16:40	**SESSION III**	**Molecular Modelling: from Simulation to Design**
15:40-16:00	• Rivka Calinsky (WIS)	The pH-dependent energetics of histidine interactions in proteins
16:00-16:20	• Renana Schwartz (BIU)	Differential substrate sensing in plant vs. microbial terpene synthases
16:20-16:40	• Lucia Adriana Lifshits (TAU)	Computational peptide design for skincare and FoodTech therapeutics
16:40-17:00	**Prizes & Closing Remarks**	