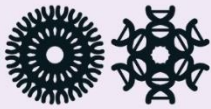


School Annual Symposium 2024

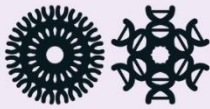
List of Posters

	Name	Lab	Title
01	Adam Baransi	Miguel Weil	Mitochondrial fission fusion dynamics differences in HD fibroblasts according to the patient's severity status
02	Adi Ben Zvi	Adi Stern	Detecting Positive Epistasis in Chronic Infections of SARS-CoV-2
03	Alaa Abu-Raiya	Adit Ben-Baruch	The roles and regulation of inhibitory immune checkpoints in cancer-associated fibroblasts in cancer progression
04	Alona De Russo	Judith Berman	Exploring Fluconazole and Sertraline Interactions in <i>Candida albicans</i>
05	Aparna Kuppuramalingam	Mia Horowitz	<i>Drosophila melanogaster</i> as a Model for Gaucher disease
06	Arielle Kahn	Adi Stern	Exploring Cheater Virus Dynamics in a Long-Term Evolution Experiment of MS2 Bacteriophage
07	Ava Mouzon	Martin Kupiec, Ronit Weisman	Identification of a novel TORC2-dependent phosphorylation motif in Gad8
08	Avijit Das	Anat Herskovits	Decipher the regulatory mechanism of IlgA, a key determinant of active lysogeny in <i>Listeria monocytogenes</i>
09	Aviv Yehuda	Vered Padler-Karavani	Investigating association between diet, anti-glycan antibodies and risk of cancer and cardiovascular diseases
10	Bar Avidov	Yariv Wine	Navigating B Cell Dynamics: A Clonotyping Exploration Across Tissues
11	Bruria Samuel	David Burstein	Plasmids Fight Back: Anti-Defense Systems Boost Conjugation Efficiency
12	Chaitanya Patel	Gerardo Lederkremer	Decoding and imaging mammalian retrotranslocation in the Endoplasmic Reticulum associated degradation (ERAD) pathway
13	Claire Guetta-Oz	Vered Padler-Karavani	Investigating the consequences of glycosylation on biotherapeutics efficacy in Inflammatory Bowel Disease (IBD)- A diversity analysis approach
14	Dafna Tussia-Cohen	Tzachi Hagai	Spatial and single-cell transcriptomics illuminate bat immunity and barrier tissue evolution
15	Dana Tarab-Ravski	Dan Peer	Delivery of Therapeutic RNA to the Bone Marrow in Multiple Myeloma using CD38-Targeted Lipid Nanoparticles
16	Deepak Kumar Choudhary	Uri Gophna	Role of Cyclic-oligonucleotide-based antiphage signaling system (CBASS) beyond immunity
17	Dor Breier	Dan Peer	Genome Editing Using Lipid Nanoparticles for Hepatocellular Carcinoma Therapy
18	Doraya Neumann	Marcelo Ehrlich, Eran Bacharach, Gerardo Lederkremer	GLB7 is a potentially novel antiviral drug that inhibits infection via activation of the PERK and PKR kinases
19	Edo Dotan	Tal Pupko	GenomeFLTR: filtering reads made easy
20	Eran Antokolitz	Anat Herskovits	Deciphering the hierarchy between cohabiting phage elements in <i>Listeria monocytogenes</i> 10403S
21	Eric Silberman	Tal Dvir	Post-maturation reinforcement of 3D-printed vascularized cardiac tissues
22	Vadim Galperin	Ehud Gazit (Blavatnik)	Fast and accurate monitoring of catalytic activity Zn-coordinated amino acids complexes
23	Gaya Roga	Yariv Wine	Computational and experimental frameworks for proteomic analysis of maternal antibodies
24	George Atmeh	Gerardo Lederkremer	Pulse-shape FACS identifies novel hits upregulated by Huntington's disease induced ER stress



The Shmunis School of Biomedicine and Cancer Research

25	Gonna Somu Naidu	Dan Peer	A Library of Novel Ionizable Amino Lipids for Cell Type-Specific mRNA Delivery
26	Guy Segal	Marcelo Ehrlich	Human-PKR knock-in mouse: unraveling species-specific regulation of a critical antiviral factor
27	Guy Shur	David Burstein	Genomic Functional Annotation Using Deep Learning
28	Haddas Saad	Gerardo Lederkremer	Class I α -1,2 Mannosidases IB and IC: Subcellular Localization and Role in Mammalian Secretory Protein Quality Control
29	Hagar Ben-Yaakov	Adit Ben-Baruch	STAT3 and p65 negatively regulate the enrichment of cancer stem cells in HR+/HER2- breast cancer
30	Hagar Vardi-Naim	Noga Kronfeld-Schor, Yariv Wine	The Effect of Light Pollution on Immunity and Fitness of Spiny Mice
31	Inbar Czaczkes	Eran Bacharach	In search for novel cellular factors that function in the response to viral infections
32	Itai Katzir	Ayala Lampel	Tuning the Dynamics of Viral-Factories-Inspired Compartments Formed by Peptide-RNA Liquid-Liquid Phase Separation
33	Keren Talmor	Vered Padler-Karavani	Investigating the role of poly-LacNAc and galectins in cancer therapy
34	Keren Tzohar	Anat Herskovits	Characterization of phage accessory genes and their impact on <i>Listeria monocytogenes</i> virulence
35	Kobi Simpsob-Lavy	Martin Kupiec	Calcium signaling provides a mechanism for <i>S. cerevisiae</i> to sense all carbon sources - Poster
36	Lana Badan	Gerardo Lederkremer	Investigating Protein Interactions During Mutant Huntingtin Aggregation Using Biotinylation Proximity Labeling
37	Liat Orr	Orna Elroy-Stein	Translation regulation of sub-classes of mRNAs during mitosis and the role of hnRNPC
38	Lior Stotsky-Oterin	Dan Peer	Genome Editing Using Lipid Nanoparticles for Mantle Cell Lymphoma Therapy
39	Lir Ben-Tov	Vered Padler-Karavani	Investigating effects of antibody isotype on specificities of anti-glycan IgG versus IgE
40	Maharrish Chelladurai	Isaac Witz	The α - β Heterodimer of Hemoglobin Mediates Cytotoxicity of Brain-Metastasizing Melanoma Cells and Identifies Theranostic Targets on These Cells
41	Malak Hariri1	Vered Padler-Karavani	Glycosylation of antibodies in heart valve patients and their immunological effects
42	Matan Arbel	Martin Kupiec	Regulation of DNA damage tolerance pathways in <i>Saccharomyces cerevisiae</i>
43	Meital Mazin	Yariv Wine	Investigating the role of tumor-infiltrating B cells in Triple-Negative Breast Cancer towards targeted therapeutic development
44	Monzer Marisat	Miguel Weil	Personalized phenotype characterization of glycogen storage disorder type III patients primary skin fibroblasts to evaluate novel therapeutic agents
45	Natalie Rutsinsky, Shir T. Segev	Adi Stern	Tracking genetic diversity across time during chronic SARS-CoV-2 infections
46	Ohad Meir	Ehud Gazit (Blavatnik)	High-Throughput Screening for Inhibitors of Calcineurin and NFAT Protein-Protein Interaction
47	Nofar Berman	Ayala Lampel	Enzymatic reactions in phase-separated microreactors: partitioning and reaction kinetics
48	Nufar Buchshtab	Adi Stern	Navigating from Desperation to Hope: Fighting for My Brother's Release from Captivity in Gaza
49	Orit Adir	Isaac Witz	Microglial JunB promotes the malignant phenotype of brain metastasizing melanoma cells
50	Preeti Sharma	Dan Peer	Structure-Activity Relationship (SAR) between ionizable lipid structure and immune cell responses



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51	Rachel Brandes-Leibovitz	Irit Gat-Viks	Sepsis pathogenesis and outcome is shaped by the balance between transcriptional states of systemic inflammation and antimicrobial resistance
52	Riccardo Rampado	Dan Peer	LNPs with finely-tuned lipid composition to improve colon targeting: a novel platform to deliver mRNA therapeutics against Inflammatory Bowel Disease
53	Saar Nir	Gerardo Lederkremer	FICD as a Target for Huntington's Disease and Neuroprotection
54	Shadan Mahajna	Vered Padler-Karavani	Unraveling the Influence of Klotho on Glycan-Mediated Intracellular Pathways and Downstream Signaling in Breast Cancer
55	Shahd Qassem	Dan Peer	Exploring Lipid Nanoparticles as a Smart Platform for the Efficient Delivery of Antisense Oligonucleotides
56	Sharon Navok	Eliora Ron, Uri Gophna	Host-phage interactions in pathogenic E. coli strains
57	Sharon Yehuda	Vered Padler-Karavani	Effects of Neu5Gc-glycosylation on biotherapeutics in Inflammatory Bowel Disease
58	Shlomi Kashkash	Marcelo Ehrlich	Unraveling the modifications to the "translatome" of bladder cancer cells via inhibition of lysine deacetylases
59	Simran Dewan	Ayala Lampel	Designer multicomponent condensates formed by liquid-liquid phase separation of peptide and glycosaminoglycans
60	Sucheta De	Marcelo Ehrlich	2-methoxyestradiol enhances virus induced oncolysis in bladder cancer cells: and effective combination strategy candidate
61	Talya Bar-Am	Yariv Wine	Harnessing Human Milk B Cells for Antibody-Based Solutions Against Bacterial Pathogens
62	Tlalit Massarano	Ayala Lampel	Spatiotemporal Control of Melanin Synthesis in Liquid Droplets
63	Tom Borenstein	Avigdor Eldar	Insights from Phylogenetic Analysis: Rapid Recombination and Modular Dynamics of the Arbitrium System
64	Uri Sprecher	Miguel Weil	Imprinted cell memory in glycogen storage disorder 1a patients' fibroblasts
65	Veronica Moskovicz	Daniel Benhalevy	Surface-CLIP: surveying the RNA biology of the plasma membrane in uncultured tissue
66	Vladimir Bozhdansky	Marcelo Ehrlich	BH3-mimetics sensitize cancer cells to oncolytic viruses via caspase-mediated decrease in expression of type I interferons
67	Vladimir Gritsenko	Judith Berman	The hidden variability of azole-resistant petites in <i>Candida glabrata</i>
68	Yair Shimony	Tal Pupko	A user-friendly web server for the analysis of large-scale microbial genomics data
69	Yogev Adler	Anat A. Herskovits	Studying cross-regulatory interactions between <i>Listeria monocytogenes</i> ' inhabiting phage elements
70	Yossef Glantzspiegel	Irit Gat Viks	Fundamentally different regulatory mechanisms underlying the host defense programs of resistance and disease tolerance
71	Sudha Shankar	Ehud Gazit (Blavatnik)	Development of Novel CXCR4 Peptide Antagonists for the Treatment of Mycosis Fungoides