

מרכז לאוטנברג לאימונולוגיה וחקר הסרטן, מעבדות קונצרן The Concern Foundation Laboratories at the Lautenberg Center for Immunology and Cancer Research









SEPTEMBER 18-20, 2022 5th IMRIC Retreat



Golden Crown Hotel, Nazareth

SCIENTIFIC PROGRAM

Sunday, September 18, 2022

10:00 Registration and Light Lunch at The King Louis 14 Hall & Foyer

11:00 -	12:00 Plenary Session I - The King Louis 15 Hall	
11:00	Opening Remarks Rami Aqeilan Chairman of the Institute for Medical Research Israel-Canada	
11:10	THE RABBI SHAI SHACKNAI MEMORIAL LECTURESHIP AND PRIZE IN IMMUNOLOGY AND CANCER RESEARCH FOR 2022 is awarded to Dr. Elaine Fuchs The Rockefeller University, New York, USA	
	TISSUE STEM CELLS AND THEIR MEMORIES	
12:00	Light Lunch and Poster Viewing at The King Louis 14 Hall & Foyer	
14:00 -	15:15 Parallel Session I-A - The King Louis 15 Hall	
	Chairs: Dr. Yoav Biala Dr. Michal Liechtenstein	
14:00	UTILIZING THE NATURAL UBIQUITIN PROTEASOME SYSTEM FOR TARGE CANCER TREATMENT Noa Hauser	TED

Biochemistry and Molecular Biology

14:12 YEAST MITOCHONDRIAL DERIVED VESICLES (MDVS) HAVE MEMBRANE POTENTIAL AND CONTAIN A FUNCTIONAL ATP SYNTHASE **Reut Hazan** Microbiology and Molecular Genetics



Sunday, September 18, 2022 (Cont.)





Sunday, September 18, 2022 (Cont.)

14:00 - 15:15

Parallel Session I-B - The King Arthur Hall (cont.)

14:12 DISSECTING EARLY MOLECULAR EVENTS IN OSTEOSARCOMAGENESIS Rania Akkawi

The Lautenberg Center for Immunology and Cancer Research

- 14:24 RNA INTERFERENCE MEDIATES RNA TOXICITY WITH PARENT-OF-ORIGIN EFFECTS IN C. ELEGANS EXPRESSING TRINUCLEOTIDE REPEATS **Maya Braun** Developmental Biology and Cancer Research
- 14:36 DEVELOPING A NOVEL THERAPY FOR HNRNPH2-RELATED NEURODEVELOPMENTAL DISEASE Ela Elyada Biochemistry and Molecular Biology=
- 14:48 THE ROLE PLAYED BY AP4A HYDROLASE IN ANCHORAGE-INDEPENDENT GROWTH OF HUMAN MELANOMA. Sana' Hidmi Biochemistry and Molecular Biology
- 15:00 A LOOK INTO THE GLUTAMATERGIC NEURONS IN THE VENTRAL PALLIDUM Liran Levi Medical Neurobiology

14:00 - 15:15 Parallel Session I-C – high school STUDENTS - The King William Hall

15:15 Coffee Break and Poster Viewing at The King Louis 14 Hall & Foyer











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Sunday, September 18, 2022 (Cont.)













SEPTEMBER 18-20, 2022 5th IMRIC Retreat Golden Crown Hotel, Nazareth



Sunday, September 18, 2022 (Cont.)

- 15:45 NA+, K+-ATPASE ALPHA ISOFORMS AND ENDOGENOUS CARDIAC STEROIDS IN BIPOLAR DISORDER
 Noa Horesh Medical Neurobiology
- 15:57 TYPE II TOXIN-ANTITOXIN SYSTEMS HAVE A PECULIAR LOCALIZATION IN ESCHERICHIA COLI CELLS Alexander Mager Microbiology and Molecular Genetics
- 16:09 REGULATION OF ORGANELLE PROTEOSTASIS BY CHAPERONES AND CLP INTERACTORS IN MALARIA PARASITES Amanda Tissawak Microbiology and Molecular Genetics
- 16:21 PROMOTING EARLY ONSET OF AGEING PHENOTYPE OF THE VASCULATURE BY OVEREXPRESSING SOLUBLE VEGFR1 Jenny Volinsky Developmental Biology and Cancer Research
- 17:00 Coffee Break and Poster Viewing at The King Louis 14 Hall & Foyer







קרן הלאומית למ היייה ועייי ונוני נוא





SEPTEMBER 18-20, 2022 5th IMRIC Retreat

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Sunday, September 18, 2022 (Cont.)

17:30 - 18:30		Panel I-A - The King Louis 15 Hall
TEACHING (wi	ll be held in Het	prew)
	Chair:	Dr. Danny Ben-Zvi
 17:30 - 18:30		Panel I-B - The King Arthur Hall
ENTREPRENEU	IRSHIP	
	Chair:	Prof. Rotem Karni
18:30 - 19:30		Panel II-A - The King Louis 15 Hall
CREATIVE WR	ITING (will be he	eld in Hebrew)
	Chair: Aviv H	lalfon
18:30 - 19:30		Panel II-B - The King Arthur Hall
STUDENTS		
	Chair: Co-Chair:	Sara Oster Avi Greenberg
19:30 Dinner	- Dining Room	
21:00 Ethnic	Israeli/Arab Mu	sical Show - The King Arthur Hall
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E-mail: imric@target-conferences.com

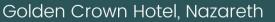












Monday, September 19, 2022

09:00 - 10:15		Parallel Session II-A - The King Louis 15 Hall	
	Chair: Co-Chair:	Dr. Gillian Key Prof. Micha Berger	
09:00	TACTILE PERCEPTIOI Maayan Gadot Medical Neurobiolog	N MECHANISMS IN THE CORTEX OF BEHAVING MICE gy	
09:12	BLOOD VESSELS IN L Aviv Halfon	CHANGE: THE ROLE OF FENESTRATED HYPOTHALAMIC LEPTIN RESISTANCE ogy and Cancer Research	
09:24	THE RELATIONSHIP BETWEEN BULKY DNA DAMAGES AND TRANSCRIPTION Elisheva Heilbrun Microbiology and Molecular Genetics		
09:36	Abrar Jamous	ed by FOXL1+ cells structure the intestine ogy and Cancer Research	
00.40			

09:48 JUNI: STRESS REGULATED LNCRNA ESSENTIAL FOR CELLULAR SURVIVAL AND THE REGULATION OF JUN Vikash Kumar Biochemistry and Molecular Biology



Monday, September 19, 2022 (Cont.)

09:00 - 10:15		Parallel Session II-B - The King Arthur Hall
	Chair: Co-Chair:	Prof. Ayal Ben-Zvi Dr. Tamar Licht
09:00	THE ROLE OF CPC IN TH Aryeh Babkoff Biochemistry and Mole	E REGULATION OF MYOSIN II DURING CYTOKINESIS
09:12	INDIVIDUAL RECOGNIT Yisraeli Eitan Medical Neurobiology	ION VIA PHEROMONES
09:24	THE PERSONALIZATION MILK COMPOSITION Dena Ennis Microbiology and Mole	I OF INFANT GUT BACTERIA TO MOTHER'S BREAST
09:36		•
09:48	NUCLEOSOMES Gavriel Fialkoff	CELL LUNG CANCER USING PLASMA CELL-FREE for Immunology and Cancer Research
10:15	Coffee Break and Poste	r Viewing at The King Louis 14 Hall & Foyer
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Monday, September 19, 2022 (Cont.)

10:45 - 12:00

Parallel Session II-A (Cont.) - The King Louis 15 Hall

Chair: Dr. Gillian Key Co-Chair: Prof. Micha Berger

- 10:45 ACTIVATION OF THE INFLAMMATORY CYTOKINE RESPONSE IN ANTIGEN-PRESENTING CELLS REQUIRES RETROSIGNALING THROUGH THE B7/CD28 COSTIMULATORY AXIS **Michal Levy** Biochemistry and Molecular Biology
- 10:57 SUBCUTANEOUS INJECTION OF LIPOSOMAL CANNABIDIOL IN SIX DOGS WITH NATURALLY OCCURRING PAIN: A PILOT CLINICAL INVESTIGATION Yael Shilo-Benjamini Biochemistry and Molecular Biology
- 11:09 MODIFYING THE RED CELL SURFACE BY MALARIA PARASITE: ROLE OF SRP-INDEPENDENT TARGETING (SND) PATHWAY IN PROTEIN EXPORT IN P. FALCIPARUM Karina Simantov Microbiology and Molecular Genetics
- 11:21 THE TELOMERE BINDING PROTEIN UMSBP2 IS A CHROMATIN REMODELER THAT FUNCTIONS IN REGULATION OF GENE EXPRESSION AND ANTIGENIC VARIATION IN TRYPANOSOMES **Awakash Soni** Microbiology and Molecular Genetics
- 11:33 DEVELOPMENT OF NOVEL MITOPHAGY ACTIVATING COMPOUNDS AIMING AT DISEASE-FREE AGING
 Vijigisha Srivastava
 Biochemistry and Molecular Biology







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Monday, September 19, 2022 (Cont.)

10:45 - 12:00	Parallel Session II-A (Cont.) - The King Louis 15 Hall (cont.)
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11:45 IMPROVING T CELL ACTIVATION BY LIMITING MITOCHONDRIAL-DERIVED ATP TRANSFER TO THE CYTOSOL Omri Yosef

The Lautenberg Center for Immunology and Cancer Research

Parallel Session II-B (Cont.) - The King Arthur Hall

Chair:Prof. Ayal Ben-ZviCo-Chair:Dr. Tamar Licht

- 10:45 DISSECTING THE REGULATORY NETWORK OF DENDRITIC CELLS ACTIVATION AND SUPPRESSION Anastasia Komissarova The Lautenberg Center for Immunology and Cancer Research
- 10:57 Molecular mechanism of protein modification by UFM1 Sayanika Banerjee Biochemistry and Molecular Biology
- 11:09 CELL REJUVENATION TECHNOLOGY USING TRANSIENT EXPRESSION OF TSC REPROGRAMMING TRANSCRIPTION FACTORS Dana Orzech Developmental Biology and Cancer Research











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Monday, September 19, 2022 (Cont.)

10:45 - 12:00	Parallel Session II-B (Cont.) - The King Arthur Hall (cont.)
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11:21 REVEALING THE ROLE OF RNA-RNA INTERACTIONS UPON PHAGE LAMBDA INFECTION Nashef Raneem

Microbiology and Molecular Genetics

- 11:33 SLEEVE GASTRECTOMY REDUCES GLYCEMIA BUT DOES NOT AFFECT THE DEVELOPMENT OF ALZHEIMER'S DISEASE IN LEAN 5XFAD MICE Itia Samuel Developmental Biology and Cancer Research
- 11:45 TAL1 MRNA PROCESSING: GENERATING THE RIGHT ISOFORM AT THE RIGHT TIME Aveksha Sharma Biochemistry and Molecular Biology
- 12:00 Light Lunch and Poster Viewing at The King Louis 14 Hall & Foyer



Monday, September 19, 2022 (Cont.)

14:00 - 15:45 Parallel Session III-A - The King Louis 15 Hall Chair: **Dr. Rachel Schyr** Co-Chair: Dr. Maya Elgarbly 14:00 METHYLATION-DIRECTED REGULATORY NETWORKS COORDINATE ENHANCING AND SILENCING OF DISEASE DRIVER-GENES AND EXPLAIN INTER-PATIENT EXPRESSION VARIATION Yifat Edrei **Developmental Biology and Cancer Research** 14:12 IDENTIFYING NOVEL SMALL-RNA MOLECULES IN SALMONELLA TYPHIMURIUM, AND THEIR PHYSIOLOGICAL ROLE Izchak Goloventzitz Microbiology and Molecular Genetics 14:24 THE EFFECT OF NLEG8-2 ON THE NF-KB SIGNALING PATHWAY AND DETECTION OF THE T3SS OF EPEC Mona Hijazy **Microbiology and Molecular Genetics** 14:36 VIRION STRUCTURE AND MECHANISMS OF ENTRY INTO THE HOST CELLS OF **NEW VIRAL TAXON - NEGEV VIRUSES** Sujata Kumari **Microbiology and Molecular Genetics** 14:48 A TONIC NICOTINIC BRAKE CONTROLS SPIKE TIMING IN STRIATAL SPINY **PROJECTION NEURONS** lior Matityahu Medical Neurobiology



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Monday, September 19, 2022 (Cont.)

14:00 -	15:45	Parallel Session III-A - The King Louis 15 Hall
15:00	INCOHERENT FEED- THE WIRING OF A SI Reut Sudakevitz-Me Medical Neurobiolo	erzbach
15:12	CELLS REVEALS NEW Shay Tzaban	MMUNE RECEPTORS ON PRIMARY ANTIGEN-SPECIFIC T- / TARGETS FOR CANCER IMMUNOTHERAPY ter for Immunology and Cancer Research
15:24	INHIBITOR: A NOVE PROTEIN, AND DOW Nadav Wallis	A BINDING PROTEIN IGF2BP1 WITH A SMALL MOLECULE L THERAPY THAT DOWN-REGULATES KRAS MRNA, /N-STREAM SIGNALING ogy and Cancer Research
14:00 -	15:45	Parallel Session III-B - The King Arthur Hall
	Chair: Co-Chair:	Dr. Oren Parnas Dr. Yaniv Elkouby
14:00	METHYLATION Batia Azria	JSES LONG-TERM CHANGES IN STEM-CELL DNA ogy and Cancer Research



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Monday, September 19, 2022 (Cont.)

14:00	15:45 Parallel Session III-B - The King Arthur Hall (cont.)
14:12	LIQUID BIOPSIES REVEAL PROGNOSTIC AND UNIVERSAL ASPECTS OF TISSUE- SPECIFIC CELL DEATH IN COVID-19 Roni Ben-Ami Developmental Biology and Cancer Research
14:24	SMCHD1 REGULATION OF ALTERNATIVE SPLICING AND ITS ROLE IN FSHD2 DEVELOPMENT Eden Engal The Lautenberg Center for Immunology and Cancer Research
14:36	THE ROLE OF APOBEC3G PROTEIN IN PRESERVING THE GENOME INTEGRITY AND FEN-1 PROTEIN FACILITATES ITS PENETRATION INSIDE NUCLEUS Faizan Hassan The Lautenberg Center for Immunology and Cancer Research
14:48	STUDYING THE COORDINATION BETWEEN ORIGINS OF REPLICATION WITHIN A REPLICATION DOMAIN Joyce Kamar Microbiology and Molecular Genetics
15:00	MATCHING PROTEIN SURFACE STRUCTURAL PATCHES FOR HIGH-RESOLUTION BLIND PEPTIDE DOCKING Alisa Khramushin Microbiology and Molecular Genetics
15:12	CELLULAR AND SYNAPTIC PHYSIOLOGY OF NUCLEUS OF LATERAL OLFACTORY TRACT (NLOT) Sapir Penker Medical Neurobiology
15:24	INFLAMMATION TRIGGERS HOMEOSTATIC PROCESSES IN THE TRIGEMINAL PAIN PATHWAY Ben Title Medical Neurobiology
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Monday, September 19, 2022 (Cont.)

14:00 - 15:45 Parallel Session I-C - High School STUDENTS - The King William Hall

15:45 Coffee Break and Poster Viewing at The King Louis 14 Hall & Foyer

16:15 - 17:15		Panel III-A - The King Louis 15 Hall
WOMAN IN SO	CIENCE	
	Chair:	Dr. Sheera Adar
16:15 - 17:15		Panel III-B - The King Arthur Hall
SCIENCE AND	THE SOCIETY	
	Chair:	Prof. Ehud Cohen
 17:15 - 18:15		Panel IV-A - The King Louis 15 Hall
WORKING IN	THE INDUSTRY	
	Chair:	Dr. Danny Ben-Zvi



Monday, September 19, 2022 (Cont.)

17:15 - 18	:15	Panel IV-B - The King Arthur Hall
POSTDOC		
	Chair:	Dr. Moran Yassor
18:15 Ca	ffee Break at The Kir	ng Louis 14 Hall & Foyer
18:30 - 19	:30	Plenary Session II - The King Louis 15 Hall
RESILIENCE TO PERTURBATION IN DEGENERATE NEURONS AND NETWORKS: RELEVANCE TO CLIMATE CHANGE Prof. Eve Marder Biology Dept., Brandeis University, Massachusetts, USA		
19:30 Di	nner - Dining Room	

21:00 Night tour of Nazareth



Tuesday, September 20, 2022





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Tuesday, September 20, 2022 (cont.)

11:20 -	- 13:00 Young PI (Cont.) - The King Louis 15 Hall
11:20	THE INFANT GUT MICROBIOME IN HEALTH AND DISEASE Moran Yassour Microbiology and Molecular Genetics
11:40	LIGHT SENSITIVITY IN THE PREFRONTAL CORTEX Shai Sabbah Medical Neurobiology
12:00	SYNTHETIC GENE CIRCUITS FOR BIOMEDICAL APPLICATIONS Lior Nissim Biochemistry and Molecular Biology
12:20	EMERGING ROLES OF TELOCYTES IN TISSUE HOMEOSTASIS Michal Shoshkes Developmental Biology and Cancer Research
12:40	EXPLORING EXPRESSION STATE CHANGES DURING INFLAMMATION AND CANCER Matan Hofree The Lautenberg Center for Immunology and Cancer Research

13:00 - 14:00 Plenary Session III - The King Louis 15 Hall

13:00 A HISTORY OF MEDICAL EDUCATION IN THE MIDDLE EAST
 Liat Kozma
 Dept. of Islamic and Middle Eastern Studies, The Hebrew University of Jerusalem

13:45 Concluding Remarks **Rami Aqeilan** Chairman of the Institute for Medical Research Israel-Canada











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Tuesday, September 20, 2022 (cont.)

- 1350 Best Presentation Award
- 14:00 Light Lunch at The King Louis 14 Hall & Foyer
- 14:30 Departure



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POSTER PRESENTATIONS I

Sunday, September 18, 2022

Board No.

- THE TUMOR SUPPRESSORS/POLARITY PROTEINS SCRIBBLE AND LGL1 INTERACT WITH A/B-CATENIN TO MAINTAIN EPITHELIAL JUNCTION INTEGRITY Maha Abedrabbo Biochemistry and Molecular Biology
- ALTERATIONS OF DNA METHYLATION AND CTCF BINDING BY EBV INFECTION OF GASTRIC EPITHELIAL CELLS.
 Shahd Abu kamel The Lautenberg Center for Immunology and Cancer Research
- MICROTUBULE REGULATES EARLY BALBIANY BODY FORMATION AND NUCLEAR CLEFT MORPHOLOGY IN OOCYTE POLARITY Adam Ahmad Developmental Biology and Cancer Research
- ROLE OF LYSOSOMAL PROTEASES IN MAINTAINING PROTEOSTASIS Atif Ahmed Biochemistry and Molecular Biology
- INTRAMUSCULAR MRNA BNT162B2 VACCINE AGAINST SARS-COV-2 INDUCES PRODUCTION OF ROBUST NEUTRALIZING SALIVARY IGA Friedman Ahuva Microbiology and Molecular Genetics
- THE MOLECULAR MECHANISM OF TRANSLATIONAL DORMANCY AND THE AWAKING OF BACTERIAL SPORES
 Sima Alon-Justman Microbiology and Molecular Genetics











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POSTER PRESENTATIONS I

Sunday, September 18, 2022 (cont.)

Board No.

- S6K1 PHOSPHORYLATES CDK1 AND MSH6 TO REGULATE DNA REPAIR. Adi Amar-Schwartz Biochemistry and Molecular Biology
- PEGYLATED LIPOSOMES REMOTELY LOADED WITH THE COMBINATION OF DOXORUBICIN, QUININE, AND ICG ENABLE SUCCESSFUL TREATMENT OF MDR TUMORS Alexander Andriyanov

Biochemistry and Molecular Biology

- A SINGLE-CELL RNA-SEQ AND MACHINE LEARNING APPROXIMATION TO EVALUATE IN VITRO CLASSICAL DENDRITIC CELLS GENERATION PROTOCOLS THAT CLOSELY RESEMBLE IN VIVO TRANSCRIPTOMES.
 Sebastian Arcila-Barrera The Lautenberg Center for Immunology and Cancer Research
- NOVEL ROLE FOR TRAFFICKING PROTEIN RESPONSIBLE FOR PREGNANCY ASSOCIATED MALARIA
 Shany Assaraf Microbiology and Molecular Genetics
- INTERHEMISPHERIC TRANSFER OF SENSORY INFORMATION AND WORKING MEMORY IN MICE
 Elad Avidan
 Department of Medical Neurobiology











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POSTER PRESENTATIONS I

Sunday, September 18, 2022 (cont.)

Board No.

- 12. UTILIZING DEEP LEARNING LANGUAGE MODELS TO PREDICT PROTEIN QUATERNARY STRUCTURE **Orly Avraham** Microbiology and Molecular Genetics
- 13. METABOLIC STRESS-INDUCED SENESCENCE AND SASP IN BETA CELLS Dana Avrahami Tzfati Developmental Biology and Cancer Research
- AML-TARGETED NANOPARTICLES AS A NOVEL MODE OF DELIVERING SPLICING-MODULATING OLIGONUCLEOTIDES
 Carla Azar Biochemistry and Molecular Biology
- 15. A CROSS-SPECIES VIEW OF TRANSCRIPTION TERMINATION IN BACTERIA Amir Bar Microbiology and Molecular Genetics
- DETECTION AND CHARACTERIZATION OF THE REPLICATION CYCLE OF THE ISRAEL TURKEY MENINGOENCEPHALITIS VIRUS
 Leah Baraz Microbiology and Molecular Genetics
- THE ROLE OF TCF7L2 ALTERNATIVE SPLICING IN TUMOR PROGRESSION AND ITS MODULATION BY SPLICE-SWITCHING ANTISENSE OLIGONUCLEOTIDES (SSOS) Ariel Bashari Biochemistry and Molecular Biology
- DECIPHERING THE IDENTITY OF NATIVE INTERSPECIES MOLECULAR CARGO TRANSPORTED VIA NANOTUBES AMONG BACTERIAL COMMUNITY MEMBERS Saurabh Bhattacharya Microbiology and Molecular Genetics











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POSTER PRESENTATIONS I

Sunday, September 18, 2022 (cont.)

Board No.

- LOSS OF WWOX DRIVES CUTANEOUS SQUAMOUS CELL CARCINOMA (CSCC) THROUGH REGULATING EMT Tirza Bidany- Mizrahi The Lautenberg Center for Immunology and Cancer Research
- 20. INCREASE IN THE CLASSICAL COMPLEMENT PATHWAY THROUGH SARS-COV2 NUCLEOCAPSID ATTACHMENT TO THE CELL SURFACE
 Maria Billan Microbiology and Molecular Genetics
- 21. STUDYING ROLE OF ASYMMETRIC NEURONAL CONNECTIVITY IN CAENORHABDITIS ELEGANS NERVOUS SYSTEM Varun Birari Medical Neurobiolog
- 22. DECIPHERING THE MECHANISM OF GENE UPREGULATION IN RESPONSE TO BULKY DNA DAMAGES Elnatan Bitensky Microbiology and Molecular Genetics
- 23. THE EFFECTS OF CHOLESTEROL MODULATIONS ON THE ACTIVITY OF MUTANT TRP CHANNELS **Tal Brandwine** Medical Neurobiology
- 24. STUDYING THE ROLES OF UFMYLATION IN AGING REGULATION AND MAINTENANCE OF PROTEOSTASIS IN THE NEMATODE C. ELEGANS **Reut Bruck-Haimson** Biochemistry and Molecular Biology
- 25. DECIPHERING THE TRANSCRIPTOME AND THE SRNA INTERACTOME OF E. COLI DURING PHAGE INFECTION **Reut Bruner** Microbiology and Molecular Genetics



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POSTER PRESENTATIONS I

Sunday, September 18, 2022 (cont.)

Board No.

- 26. CANDIDATE GENE PRIORITIZATION AND DISEASE-GENE DISCOVERY THROUGH PHYLOGENETIC PROFILING **Christina Canavati** Developmental Biology and Cancer Research
- 27. THE ROLE OF TELOCYTES IN THE HAIR FOLLICLE STEM CELL NICHE Marco Canella Developmental Biology and Cancer Research
- 28. SEMA4B MEDIATED CROSS-TALK BETWEEN ASTROCYTES AND MICROGLIA DURING BRAIN INJURY- IMPLICATIONS FOR NEUROINFLAMMATION AND NEUROTOXICITY Natania Casden Developmental Biology and Cancer Research
- 29. EPIGENETIC REGULATION OF ASYNCHRONOUS REPLICATING REGIONS Fernando Castellani, Lamia Halaseh Developmental Biology and Cancer Research
- 30. EXPLORING NEURAL PROCESSES GOVERNING BEHAVIORAL PLASTICITY IN THE NEMATODE CAENORHABDITIS ELEGANS **Netanel Cohen** Medical Neurobiology
- 31. DELINEATING THE MECHANISM OF UV MUTAGENESIS IN HUMAN CELL LINES Yuval Cohen Microbiology and Molecular Genetics
- 32. ENHANCING MRNA STABILITY AS THERAPY FOR GENETIC DISEASES Yuval Cohen Biochemistry and Molecular Biology
- HOST FACTORS INVOLVED IN EPEC INFECTION AND TIR TRANSLOCATION Klil Cohen Yaron Microbiology and Molecular Genetics











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POSTER PRESENTATIONS I

Sunday, September 18, 2022 (cont.)

Board No.

- 34. A ROLE FOR ALPHA-SYNUCLEIN IN THE REGULATION OF PHOSPHOINOSITIDE 3-KINASE ACTIVITY AND THE IMPLICATIONS FOR PARKINSON'S DISEASE Jenna CongdonLoeffler Biochemistry and Molecular Biology
- 35. SINGLE-CELL TRANSCRIPTOMICS REVEALED A SUBPOPULATION OF TELOCYTES HIGHLY DISTRIBUTED IN COLORECTAL CANCER PATIENTS **Noa Corem** Developmental Biology and Cancer Research
- 36. SHARED BRAIN SYSTEM FOR SELF-PROJECTION TO DIFFERENT POLITICAL, MORAL AND TEMPORAL VIEWPOINTS Amnon Dafni-Merom Medical Neurobiology
- EASYMAP AN INTERACTIVE WEB TOOL FOR EVALUATING AND COMPARING ASSOCIATIONS OF CLINICAL VARIABLES AND MICROBIOME COMPOSITION. Ehud Dahan Microbiology and Molecular Genetics
- CHARACTERIZATION OF GLYCOPROTEINS FROM INSECT SPECIFIC GOUTANAP AND NEGEV VIRUSES
 Kathakali Das Microbiology and Molecular Genetics
- 39. THE INTERACTION OF SFC1, SUCCINATE AND TIM23 IN YEAST MITOCHONDRIAL PROTEIN IMPORT AND DUAL TARGETING
 Koyeli Das Microbiology and Molecular Genetics
- 40. PFSR1 AND ITS ROLE IN SEXUAL COMMITMENT AND GAMETOCYTOGENESIS Manish Dash Microbiology and Molecular Genetics











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POSTER PRESENTATIONS I

Sunday, September 18, 2022 (cont.)

Board No.

- 41. HORMONE-INDEPENDENT ASSESSMENT OF HUMAN PANCREATIC ENDOCRINE-CELL MASS
 Zeina Drawshy
 Developmental Biology and Cancer Research
- 42. CONNECTION BETWEEN RETINOIC ACID SIGNALING AND FOLATE IN THE PREVENTION OF NEURAL TUBE DEFECT
 Tamir Edri Developmental Biology and Cancer Research
- 43. ANALYSIS OF URINE MARKING PATTERNS IN RESPONSE TO DIFFERENT STIMULUS SOURCES
 Yifat Elizera Medical Neurobiology
- 44. GASTRIC ENTEROENDOCRINE CELLS (GEEC): DEVELOPMENT, HOMEOSTASIS AND RESPONSE TO SLEEVE-GASTRECTOMY
 Amit Elad Developmental Biology and Cancer Research
- 45. DISORIENTATION IN PRECLINICAL ALZHEIMER'S DISEASE RELATED TO TAU DEPOSITION AT THE ENTORHINAL CORTEX Uri Elias Medical Neurobiology
- OXYS SRNA CONTROLS CELL DIVISION BY BALANCING EXPRESSION OF TWO GENES WITH OPPOSING FUNCTIONS
 Maya Elgrably-Weiss Microbiology and Molecular Genetics











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Sunday, September 18, 2022 (cont.)

Board No.

- 47. GENERATING METABOLICALLY SUPERIOR T CELLS AS A NOVEL IMMUNOTHERAPY TO TREAT SOLID TUMORS
 Yarden Engel The Lautenberg Center for Immunology and Cancer Research
- 48. SARS-COV2 NUCLEAR PROTEIN BINDS EPITHELIAL CELLS THROUGH THEIR HEPARIN GLYCOSAMINOGLYCAN
 Jamal Fahoum Biochemistry and Molecular Biology
- 49. PROTEIN REPLACEMENT THERAPY FOR A MITOCHONDRIAL PROTEIN: THE PYRUVATE DEHYDROGENASE E1 ALPHA (PDHE1A) SUBUNIT Sarah Farouz Biochemistry and Molecular Biology
- 50. PREDICTION OF TYPE 2 DIABETES BY METHYLATION OF REGULATORY ELEMENT IN SPECIFIC TISSUES
 Naftali Feigenbaum Developmental Biology and Cancer Research
- 51. THE SPLICEOSOME IN AUTISM SPECTRUM DISORDER **Ophir Geminder** Biochemistry and Molecular Biology
- 52. EFFECTS OF FREE ACCESS TO HIGHLY PALATABLE FOOD ON THE PHYSIOLOGY OF GABAERGIC NEURONS IN THE VENTRAL PALLIDUM AND THE LATERAL HYPOTHALAMUS Shani Gendelis Medical Neurobiology
- 53. THE ANTI-TUMOR EFFECT OF SMALL MOLECULE AVJ16 BY INHIBITION OF IGF2BP1 IN COLON CANCER
 Tehila Gershon Developmental Biology and Cancer Research
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Sunday, September 18, 2022 (cont.)

Board No.

- 54. THE ROLE OF CLPM IN THE APICOPLAST OF MALARIA PARASITES **Aseel Ghanaiem** Microbiology and Molecular Genetics
- 55. NEW APPROACH FOR THE TREATMENT OF SOLID TUMORS Maria Gimmelshein Vatkin Biochemistry and Molecular Biology
- 56. INVOLVEMENT OF KDAC INHIBITORS IN NUCLEOTIDE EXCISION REPAIR Hadar Golan Berman Microbiology and Molecular Genetics
- 57. MEMBRANELESS ORGANELLES AND WISDOM OF THE CROWDS: NOVEL MECHANISMS UNDERLYING GENE REGULATION IN BACTERIA Omer Goldberger Microbiology and Molecular Genetics
- 58. IDENTIFYING NOVEL SMALL-RNA MOLECULES IN SALMONELLA TYPHIMURIUM, AND THEIR PHYSIOLOGICAL ROLE Izchak Goloventzitz Microbiology and Molecular Genetics
- 59. PHAGE -DERIVED GENE INHIBITS NANOTUBE MEDIATED PLASMID EXCHANGE IN BACILLUS SUBTILIS
 Venkadesaperumal Gopu Microbiology and Molecular Genetics
- 60. MESOSCALE REGULATION OF S PHASE DYNAMICS AND DURATION Avraham Greenberg Microbiology and Molecular Genetics











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- 61. INTERROGATION OF THE EPIGENETIC AND TOPOLOGIC ROLES OF CTCFL/BORIS IN MELANOMA
 Ameen Haj Yahia The Lautenberg Center for Immunology and Cancer Research
- 62. ELUCIDATING THE CELL SIGNALLING INVOLVED IN NUCLEOPLASMIC TRANSPORT OF
 A-SYNUCLEIN AND THE RELEVANCE TO PARKINSON'S DISEASE.
 Eva Harrosch
 Biochemistry and Molecular Biology
- 63. DEFINING THE INFLUENCE OF DNA LESIONS ON TRANSCRIPTION FACTORS BINDING AND TRANSCRIPTION REGULATION
 Hiba Hassanain Microbiology and Molecular Genetics
- 64. THE DIHYDROPYRIMIDINES ARE ESSENTIAL IN MAINTAINING AN AGGRESSIVE BREAST CANCER PHENOTYPE
 Arata Hayashi Biochemistry and Molecular Biology
- R-LOOPS AND TOP1 FACILITATE DSBS FORMATION AT GENE BODY OF ACTIVELY TRANSCRIBED GENES
 Osama Hidmi The Lautenberg Center for Immunology and Cancer Research
- 66. THE EFFECTS OF ODOUR-SPECIFIC ATTENTION ON NEURONAL REPRESENTATIONS IN THE OLFACTORY BULB Katharina Hofer Medical Neurobiology











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- 67. REGULATION OF CD209 EXPRESSION IN MACROPHAGES **Tamara Izhiman** The Lautenberg Center for Immunology and Cancer Research
- 68. RBFOX2 MODULATES A METASTATIC SIGNATURE OF ALTERNATIVE SPLICING IN PANCREATIC CANCER
 Amina Jbara
 Biochemistry and Molecular Biology
- 69. CHARACTERIZING FOXL1 LINEAGE CELLS IN THE ADULT MOUSE BRAIN Takwa Jebara Developmental Biology and Cancer Research
- 70. HIV-1 CO-OPTS A CELLULAR ANTIVIRAL MECHANISM, ACTIVATION OF PKR BY ITS RNA, TO ENABLE SPLICING OF REV/TAT MRNA
 Raymond Kaempfer
 Biochemistry and Molecular Biology
- 71. GPX8/SELENIUM AXIS AS A REGULATOR OF FERROPTOSIS IN CANCER Abdelrahman Karmi Biochemistry and Molecular Biology
- 72. DELINEATING THE NOVEL MECHANISMS OF BACTERIAL COMPETITION IN BACILLUS SUBTILIS **Prabhjot Kaur** Microbiology and Molecular Genetics
- THE GLUTATHIONE PEROXIDASE 8 (GPX8)/IL-6/STAT3 AXIS IS ESSENTIAL IN MAINTAINING AN AGGRESSIVE BREAST CANCER PHENOTYPE
 Anees Khatib
 Biochemistry and Molecular Biology











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- 74. THE FUNCTION OF LONG-NONCODING RNA IN THE EARLY DEVELOPMENT OF MURINE PLACENTA
 Areej Khatib
 Developmental Biology and Cancer Research
- 75. THE INFANT GUT COMMENSAL BACTEROIDES DOREI PRESENTS A GENERALIZED TRANSCRIPTIONAL RESPONSE TO VARIOUS HUMAN MILK OLIGOSACCHARIDES **Sivan Kijner** Microbiology and Molecular Genetics
- 76. STRUCTURAL AND FUNCTIONAL CHARACTERIZATION OF DNA REPAIR ENZYME ENDONUCLEASE IV, FROM STAPHYLOCOCCUS AUREUS, SANFO Saveliy Kirillov^{1,2,3,4,5}
 ¹Microbiology and Molecular Constice. ²The Kuyin Conter for the Study of

¹Microbiology and Molecular Genetics, ²The Kuvin Center for the Study of Infectious and Tropical Diseases, ³Biochemistry and Molecular Biology, The Hebrew University of Jerusalem, Jerusalem, Israel, ⁴L.N. Gumilyov Eurasian National University, ⁵National Center for Biotechnology, Nur-Sultan, Kazakhstan

77. THE METABOLIC ROLE OF SOMATOSTATIN IN SLEEVE GASTRECTOMY Doron Kleiman Developmental Biology and Cancer Research











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- MAINTENANCE OF THE MICROVASCULATURE IMPROVES THYMUS TISSUE STRUCTURE AND FUNCTIONS IN AGED MICE
 Priya Gupta Developmental Biology and Cancer Research
- 2. IGF2BP3 ROLE DURING LEFT-RIGHT AXIS SYMMETRY BREAKAGE Hagar Klein Developmental Biology and Cancer Research
- 3. WHAT CAUSES FASTING HYPERGLYCEMIA? Sarah Knapp Developmental Biology and Cancer Research
- RNA EDITING IN PANCREATIC BETA-CELLS PREVENTS ABERRANT INNATE IMMUNE ACTIVATION AND DIABETES
 Udi Ehud Knebel Developmental Biology and Cancer Research
- BIOMECHANICAL CONTROL OF MEIOTIC CHROMOSOMAL BOUQUET AND GERM CELL MORPHOGENESIS BY THE ZYGOTENE CILIUM Vineet Kumar Developmental Biology and Cancer Research
- LUMPY SKIN DISEASE VIRUS INFECTS DIFFERENTIALLY PERIPHERAL BLOOD MONONUCLEAR CELLS, REPLICATES & PRODUCES INFECTIOUS PROGENY EX-VIVO Manoj Kumar Microbiology and Molecular Genetics











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- WHEN OVEREXPRESSION MIMICS SILENCING: MECHANISTIC INSIGHTS INTO UBIQUITIN-LIKE PROTEIN CONJUGATION ENZYMES Sujata Kumari Biochemistry and Molecular Biology
- CAPSAICIN INDUCED TRPV1 PERMEATION OF CHLOROPROCAINE ENHANCES SPECIFIC AND SELECTIVE ANALGESIA WITHOUT MOTOR BLOCKADE Yishai Kushnir Medical Neurobiology
- MACHINE-LEARNING OF COMPLEX EVOLUTIONARY SIGNALS IMPROVES CLASSIFICATION OF SNVS
 Sapir Labes Department of Developmental Biology and Cancer Research
- EPN1 REGULATES PHGDH ACTIVATION AND SUBCELLULAR LOCALIZATION IN CANCER
 Shirel Lavi Biochemistry and Molecular Biology
- 11. EXAMINING AMYGDALA-CORTEX DYNAMICS DURING TEXTURE DISCRIMINATION LEARNING IN MICE David Levitan Medical Neurobiology
- 12. ANALYSIS OF THE TEMPORAL ACUITY OF THE OUTPUT NEURONS OF THE ACCESSORY OLFACTORY BULB Judit Levy Medical Neurobiology











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- REGENERATIVE MECHANISMS FOR KEEPING AN INTACT SENSE OF SMELL IN MICE MODEL OF DEGENERATED OLFACTORY BULB Tamar Licht Medical Neurobiology
- 14. UNIVERSAL LUNG EPITHELIUM DNA METHYLATION MARKERS FOR DETECTION OF LUNG DAMAGE IN LIQUID BIOPSIES Judith Magenheim Developmental Biology and Cancer Research
- 15. UNDERSTANDING LARGE SCALE BRAIN ACTIVITIES DURING SOCIAL INTERACTION Odeya Marmor Medical Neurobiology
- 16. DEFINING AND TARGETING NEW VULNERABILITIES IN PANCREATIC CANCER **Kian Maroun** The Lautenberg Center for Immunology and Cancer Research
- 17. MECHANISMS OF ALDOLASE B MEDIATED BETA CELL GLUCOTOXICITY Adi Mazouz Developmental Biology and Cancer Research
- HIGHLY RESOLVED ATLAS OF IBD-ASSOCIATED BACTERIAL STRAINS AND THEIR ROLE IN HOST INFLAMMATORY RESPONSE
 Chiara Mazzoni Microbiology and Molecular Genetics
- 19. UTILIZING APOPTOSIS FOR TARGETED CANCER TREATMENT BY CHIMERIC PROTEINS.
 Orly Melloul Biochemistry and Molecular Biology











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- 20. NUCLEOTIDE EXCISION REPAIR RELATED GENES DISCOVERY THROUGH INTEGRATIVE GENOMICS APPROACHES **May Merav** Microbiology and Molecular Genetics
- 21. SLEEVE GASTRECTOMY REVEALS GASTRIN DEPENDENT PLASTICITY OF THE STOMACH
 Botros Moalem
 Developmental Biology and Cancer Research
- 22. CRISPR SCREEN TO UNDERPIN THE TRANSCRIPTION FACTOR NETWORK OF MACROPHAGE PLASTICITY IN TUMORS
 Milsee Mol The Lautenberg Center for Immunology and Cancer Research
- 23. GUT MICROBIOME AND RESISTOME ESTABLISHMENT AMONG PREMATURE INFANTS Nadav Moriel Microbiology and Molecular Genetics
- 24. A NEWLY IDENTIFIED CILIUM CONTROLS MEIOTIC CHROMOSOMAL PAIRING MECHANICS AND GERM CELL MORPHOGENESIS IN ZEBRAFISH AND MOUSE **Avishag Mytlis** Developmental Biology and Cancer Research
- 25. WHOLE CODING GENOME INTER-CLADE COMPARISON TO PREDICT GLOBAL CANCER-PROTECTING VARIANTS Lamis Naddaf Developmental Biology and Cancer Research
- 26. THE ROLE OF C TERMINUS POST-TRANSLATIONAL MODIFICATIONS IN REGULATING THE METABOLIC FUNCTIONS OF P53 **Nasrallah Nasrallah** The Lautenberg Center for Immunology and Cancer Research
- Secretariat: **Target Conferences Ltd.**, PO Box 51227, Tel Aviv 6713818, Israel Tel: +972 3 5175150, Fax: +972 3 5175155 E-mail: imric@target-conferences.com











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- 27. DECODING MECHANISMS AND LINEAGES OF GERMLINE STEM CELLS IN THE ZEBRAFISH OVARY
 Hart Neta Developmental Biology and Cancer Research
- 28. SELECTIVE BLOCKADE OF VISCERAL PAIN IN A RODENT MODEL OF INFLAMMATORY BOWEL DISEASE Engelmayer Nurit Medical Neurobiology
- 29. EARLY EPIGENETIC CHANGES IN COLITIS AFFECT THE INFLAMMATORY PROCESS Isra'a Omari Developmental Biology and Cancer Research
- 30. CHARACTERIZING AND INTERPRETING THE BREAKOME OF BREAST CANCER Sara Oster The Lautenberg Center for Immunology and Cancer Research
- 31. SINGLE-CELL TRANSCRIPTIONAL PROFILING OF PANCREATIC CANCER DEVELOPMENT AND IMMUNE CELLS TARGETING TO RESTRICT TUMOR GROWTH
 Oren Parnas The Lautenberg Center for Immunology and Cancer Research
- 32. SENESCENCE OF PANCREATIC BETA CELLS REGULATES ENHANCER MEDIATED FUNCTIONAL MATURATION AND INTERFERON RESPONSIVENESS **Milan Patra** Developmental Biology and Cancer Research
- 33. INVESTIGATING THE EFFECT OF IMPAIRED RNA EDITING IN A-CELLS Shani Peleg Developmental Biology and Cancer Research











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- 34. THE DNA METHYLOME OF HUMAN VASCULAR ENDOTHELIUM AND ITS USE IN LIQUID BIOPSIES
 Ayelet Peretz
 Developmental Biology and Cancer Research
- 35. DEVELOPING RESOLVIN D1 NANODRUG FOR CONTROLLED BONE REMODELING: A STUDY BASED ON COMBINATION OF IMMUNOTHERAPY AND NANOTECHNOLOGY
 Noy Pinto Biochemistry and Molecular Biology
- 36. IDENTIFYING BACTERIAL HOST DEFENCE FACTOR THAT RESTRICT VIRAL PLAQUE SPREAD Osher Pollak-Fiyaksel Microbiology and Molecular Genetics
- 37. ROLE OF SPLICING FACTOR HNRNP A2/B1 IN BREAST CANCER PROGRESSION AND METASTASIS
 Anurag Prabhu Biochemistry and Molecular Biology
- PLURIPOTENCY-INDEPENDENT INDUCTION OF HUMAN TROPHOBLAST STEM CELLS FROM FIBROBLASTS
 Moran Rahamim Developmental Biology and Cancer Research
- 39. INTER-CHROMOSOMAL COORDINATION BETWEEN MONO-ALLELIC GENES **Rachel Rapoport** Microbiology and Molecular Genetics











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- 40. LUXOTONIC AMACRINE CELLS CONSTITUTE A NEURONAL HUB THAT MAY CONTRIBUTE TO LUMINANCE-DEPENDENT MODULATION OF RETINAL FUNCTION
 Hala Rasras Medical Neurobiology
- 41. MTOR IS ESSENTIAL FOR NEUTROPHIL POLARIZATION BY TGF-B Samar Salem Developmental Biology and Cancer Research
- 42. HIGH-RESOLUTION LIVE-CELL IMAGING REVEALS THE BIOGENESIS OF THE APICOPLAST ORGANELLE IN MALARIA PARASITES
 Michal Shahar Microbiology and Molecular Genetics
- 43. REVISITING LEIGH SYNDROME AS A PRIMARY IMMUNE DEFICIENCY DISORDER BY ANALYZING T-CELL MEDIATED IMMUNITY
 Oded Shamriz The Lautenberg Center for Immunology and Cancer Research
- 44. MAPPING OF DNA DOUBLE STRANDED BREAKS USING SBLISS REVEALS CONCORDANCE WITH FRAGILE REGIONS UPON MILD REPLICATION STRESS **Diala Shatleh-Rantisi** The Lautenberg Center for Immunology and Cancer Research
- 45. A PILOT TRANSCRIPTOMIC-BASED SMALL MOLECULE SCREEN AND A NEW OVARIAN CULTURE SYSTEM IDENTIFY NOVEL KEY REGULATORS IN OOGENESIS **Amal Shawahny** Developmental Biology and Cancer Research
- 46. EXPLORING PHAGE-HOST TOLERANCE RESPONSE IN BACILLUS SUBTILIS Bushra Shraiteh Microbiology and Molecular Genetics











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- 47. IDENTIFYING THE PARTNERS OF THE RNA CHAPERON HFQ WHEN IN POLAR CONDENSATES UNDER STRESS
 Elizabeta Sirotkin Microbiology and Molecular Genetics
- 48. THE METABOLIC ENZYME EXT1 REGULATES THE IL6/JAK/STAT3 AXIS IN AGGRESSIVE BREAST CANCER CELLS Balakrishnan Solaimuthu Biochemistry and Molecular Biology
- 49. LINC01135 CONTROLS THE GENOMIC STABILITY OF CANCER CELLS.
 Isha Soni
 Biochemistry and Molecular Biology
- 50. HOW THE NERVOUS SYSTEM ADJUSTS TO SENSORY LOSS Michal Staum Medical Neurobiology
- 51. IN-VITRO 3D-MODELS IN EPILEPSY RESEARCH: USING BRAIN ORGANOIDS TO STUDY WWOX-RELATED NEUROLOGICAL DISORDERS
 Daniel Steinberg The Lautenberg Center for Immunology and Cancer Research
- 52. IN SILICO DOCKING ANALYSIS FOR BLOCKING JUNO-IZUMO1 INTERACTION IDENTIFIES TWO SMALL MOLECULES THAT BLOCK IN VITRO FERTILIZATION **Nataliia Stepanenko** Developmental Biology and Cancer Research
- 53. PATTERNS OF IMMUNE RECEPTORS ALTERNATIVE SPLICING AS A KEY FACTOR IN T CELL FUNCTION AND IMMUNOTHERAPY
 Ori Stern The Lautenberg Center for Immunology and Cancer Research











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- 54. EXTENSIVE ELIMINATION OF ACINAR CELLS DURING NORMAL POSTNATAL PANCREAS GROWTH Miri Stolovich-Rain Developmental Biology and Cancer Research
- 55. EMT-DEPENDENT DOWNREGULATION OF ONE-CARBON METABOLISM AS A MECHANISM FOR 5-FU CHEMORESISTANCE IN LUNG AND PANCREATIC CANCER Mayur Tanna Biochemistry and Molecular Biology
- 56. OPTIMIZATION OF GLOBAL PEPTIDE DOCKING BY COMBINING DEEP LEARNING WITH RIGID BODY DOCKING Niriti Trabelsi Microbiology and Molecular Genetics
- 57. ACCURATE AND FAST MODELING AND SCREENING OF HIGH-RESOLUTION PEPTIDE-PROTEIN INTERACTION MODELS USING DEEP LEARNING APPROACHES DEVELOPED FOR MONOMER FOLDING.
 Tomer Tsaban Microbiology and Molecular Genetics
- 58. GENERATION OF STABILIZED FLAVIVIRUS ENVELOPE EPITOPES FOR SEROLOGICAL AND STRUCTURAL RESEARCH AND VACCINE DEVELOPMENT Yulia Tsoshka Microbiology and Molecular Genetics
- 59. COMBINING N-STERAOYL CERAMIDE AND DOXORUBICIN IN PEGYLATED NANO-LIPOSOMES RESULTS IN THERAPEUTIC EFFICACY SUPERIOR TO DOXIL **Keren Turjeman** Biochemistry and Molecular Biology











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- 60. STRUCTURE-BASED PREDICTION OF PEPTIDE-PROTEIN INTERACTION SPECIFICITY
 Julia K. Varga Microbiology and Molecular Genetics
- 61. TARGETING CANCER VULNERABILITIES IN ACUTE LEUKEMIA Avanthika Venkatachalam The Lautenberg Center for Immunology and Cancer Research
- 62. VANADIUM AND OTHER METALS IN BIPOLAR DISORDER Sampath Vishnupriya Medical Neurobiology
- 63. GENERALIZING THE STRESSFUL PACEMAKER HYPOTHESIS OF PARKINSON'S DISEASE TO ALPHA-SYNUCLEIN OVEREXPRESSING BRAIN STEM NEURONS Nadine Wattad Medical Neurobiology
- 64. REVEALING BACTERIAL "SOCIAL PREFERENCES" FOR SPATIAL INTERACTIONS Inbar Wechsler Microbiology and Molecular Genetics
- 65. DEFINING THE BINDING MECHANISM OF THE SPLICING FACTOR HNRNP H AND RNA G-QUADRUPLEX FORMING SEQUENCES **Naomi Winter** Biochemistry and Molecular Biology
- 66. MODELING HUMAN PLACENTAL DYSFUNCTION DISEASES USING PATIENT-DERIVED INDUCED TROPHOBLAST STEM CELLS Hazar Yassen Developmental Biology and Cancer Research











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- 67. CHANGES IN H3K27AC UPON SARS-COV-2 Yahel Yedidya The Lautenberg Center for Immunology and Cancer Research
- 68. MODULATION OF NUCLEOTIDE EXCISION REPAIR BY LYSINE DEACETYLASE INHIBITORS
 Adi Yifrach Microbiology and Molecular Genetics
- 69. PANINS ASSOCIATED CELLULAR HETEROGENEITY AND INTERACTION WITH IMMUNE AND STROMAL CELLS **Oshri Yosefov-Levi** The Lautenberg Center for Immunology and Cancer Research
- 70. CORTICAL REPRESENTATION OF OLFACTORY STIMULI DURING ACTIVE BEHAVIOR
 Michael Yunerman Medical Neurobiology
- 71. PROTEIN REPLACEMENT THERAPY FOR MITOCHONDRIAL-MEMBRANE PROTEINS: PHOSPHATE CARRIER (MPIC) AS A MODEL SYSTEM Samar Zabit Biochemistry and Molecular Biology
- 72. ELUCIDATING RNA-RNA INTERACTION NETWORKS OF PSEUDOMONAS AERUGINOSA DURING INTERBACTERIAL INTERACTIONS WITH OTHER BACTERIAL SPECIES
 Raghad Zaghal Microbiology and Molecular Genetics











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- 73. STRIATAL AND FROTOCORTICAL LIGHT SENSITIVE ACTIVITY Elyashiv Zangen Medical Neurobiology
- 74. FERRITIN IS REGULATED BY A NEURO-INTESTINAL CIRCUIT IN CAENORHABDITIS ELEGANS
 Veronica Zelmanovich Biochemistry and Molecular Biology
- 75. USING SNS-SEQ DATA TO IDENTIFY GENOMIC REGIONS IN WHICH THE REPLICATION FORK COLLAPSE AND RESTART **Avital Zerbib** Microbiology and Molecular Genetics
- 76. NUCLEOLAR DYNAMICS MODULATE LIFE SPAN AND PROTEOSTASIS Huadong Zhu Biochemistry and Molecular Biology
- 77. ALTERNATIVE SPLICING AND EXPRESSION DYNAMICS IN T CELLS Elad Zisman The Lautenberg Center for Immunology and Cancer Research
- 78. LOSS OF TET2 AND TET3 DNA DEMETHYLASES RESULTS IN ABERRANT DIFFERENTIATION AND HOMEOSTASIS IN THE SMALL INTESTINE Ihab Ansari Developmental Biology and Cancer Research