

# Israeli RNA Society meeting 2021 in memory of Prof. Yossi Sperling – Dec 5<sup>th</sup>

Poster list

Session I 10:00-11:00

Poster number	Presenter	Affiliation	Poster title
1	Yarden Amichan	Technion	Understanding the role of the duplicated gene D2005.1
2	Adi Avram Shperling	Bar Ilan University	Expression of heterologous ADAR enzymes in yeast indicates editing activity is affected by temperature, and identifies the mdADAR1 as a hyper transcriptome diversifier
3	Ariel Bashari	Hebrew University	
4	Rina Ben-El	Technion	Unfolding the non-coding RNA landscape in pluripotency and differentiation
5	Tanaya Bose	Weizmann Institute of Science	Peptide bond formation – the initial protein evolution step
6	Bar Cohen	Technion	mRNAs and Mitochondria co-transport to distant neuronal sites
7	Lea Cohen	Hebrew University	
8	Yehuda Danino	Weizmann Institute of Science	
9	David Dierks	Weizmann Institute of Science	
10	Berta Eliad	Technion	Embryonic developmental switch marks the change from maternally inherited RNA-edited transcripts to independent editing
11	Eden Engal	Hebrew University	SMCHD1 regulation of alternative splicing and its role in disease
12	Lior Fishman	Hebrew University	Characterizing dynamic RNA regulatory programs during the maternal-to-zygotic transition
13	David Gorelik and Rona Merdler-Rabinowicz	Bar Ilan University	Increased A-to-I RNA Editing Activity in COVID-19 Infected Individuals
14	Hadas GRUBER	Technion	Regulation by lncRNAs of adjacent protein-coding genes in the pituitary gonadotropes
15	Gal Haimovich	Weizmann Institute of Science	Identification and enrichment of SECRETE cis-acting RNA elements in the Coronaviridae and other (+) single-strand RNA viruses
16	Tom Aharon Hait	Tel Aviv University	

17	Shirel Har-Sheffer	Hebrew University	Using evolutionary conservation of maternal mRNA degradation to predict developmental functionality
18	Yochai Israelashvili	Bar Ilan University	
19	Noemie Stanleigh	Hebrew University	Novel insights into the therapeutic potential of antisense oligonucleotides as splicing modulators in respiratory and intestinal patient-derived model systems
20	Ofri Levi	Technion	RNA modification mediates translation regulation by Aminoacyl tRNA synthetases
43	Galia Polyak	Technion	Discovering lncRNA-mediated transcriptional modules in human pluripotent cells

## Session II 14:30-15:30

Poster number	Presenter	Affiliation	Poster title
21	SHANMUGHA RAJAN K	Bar Ilan University	Site specific pseudouridine (Y) on Trypanosoma brucei rRNA regulates translation: The role of individual Y on ribosome composition
22	Areej Khatib	Hebrew University	
23	Nataly Makarenkov	Ben Gurion University	Circulating Micro-RNAs As Biomarkers of Visceral Obesity-Related Adipose Tissue Disease (OrAD)
24	Maxim Mogilevsky	Hebrew University	
25	Florian Neuhaus	Technion	
26	Malak Nijim	Haifa University	Elucidating the effect of programmed ribosomal frameshifting on the expression of human genes
27	Naseeb Saida	Technion	Towards Deciphering cis-Regulatory Elements Involved in Translation Regulation During Stress
28	Nitzan Samra	weizmann Institute of Science	Multiple Subcellular Localization Motifs in mTOR UTRs
30	Dor Shalev	Technion	Regulation of the RNA binding protein, MKRN3, in human and mouse neurons
31	Aveksha Sharma	Hebrew University	
32	Noa Shimon	Technion	Analyzing the role of duplicated genomic regions in C. elegans
33	Raman Singh	weizmann Institute of Science	Specialized ribosomes and their control of yeast cell physiology
34	Yaron Trink	Bar Ilan University	
35	Shani Vaknine	Hebrew University	Modified profiles of umbilical cord blood transfer RNA fragments reflect sex-specific stress levels in newborns

36	Isana Veksler-Lublinsky	Ben Gurion University	Machine-learning-based analysis of the evolutionary conservation of microRNA-target interaction rules
37	Juliane Viegas	Hebrew University	
38	Hila Yehuda	Hebrew University	Obesity and anxiety associate with inversely modified inflammation-related transcripts in larval zebrafish
39	Shu-Ting You	Weizmann Institute of Science	RNA-based regulation for Protein Secretion in Cooperation and Evolution
40	Gal Haimovich	Weizmann Institute of Science	Global analysis of human-to-mouse intercellular RNA transfer in cell culture
41	Hadas Biran	Technion	SPIRAL: Significant Process Inference Algorithm for single cell RNA-sequencing and spatial transcriptomics
42	Chen Eitan	Weizmann Institute of Science	Non-Coding Genetic Analysis Implicates Interleukin 18 Receptor Accessory Protein 3'UTR in Amyotrophic Lateral Sclerosis