2018 RNA Biology meeting in memory of Prof. Yossi Sperling

At the Nanotechnology Auditorium (Building 206), Bar-Ilan University
October 8, 2018

08:30-09:00	Registration, coffee
09:00-09:15	Greetings: Prof. Shulamit Michaeli, Vice-president of Research
09:15-09:55	Keynote: Prof. Reinhard Lührmann
	Max Planck Institute for Biophysical Chemistry, Göttingen
	Novel mechanistic insights into the inner workings of the human
	spliceosome by combined biochemical and Cryo-EM studies
Session 1:	Chair – Schragi Schwartz, Weizmann Institute
10:00-10:12	Igor Ulitsky, Weizmann Institute
	Determinants of nuclear enrichment of long RNAs in human cells
10:15-10:27	Noam Shomron, Tel-Aviv University
	MicroRNA-mRNA splicing crosstalk
10:30-10:42	Maayan Salton, Hebrew University
	Promoting alternative splicing
10:45-11:25	Coffee Break
11:25-11:37	Tal Shay, Ben-Gurion University
	Splicing bias at the single cell level
11:40-11:52	Shalev Itzkovitz, Weizmann Institute
	Single molecule transcript imaging in the intact pancreas
11:55-12:07	Carmity Levy, Tel-Aviv University
	New regulators of miRNAs biogenesis
12:10-12:50	Keynote: Prof. Dónal O'Carroll
	MRC Centre for Regenerative Medicine, The University of Edinburgh
	RNA modification in development and disease
12:50-13:50	Lunch + Poster session

Session 2:	Chair – Yoav Arava, Technion
13:55-14:07	Erez Levanon, Bar-Ilan University Physiological impact of A-to-I RNA editing: from cardiovascular diseases to autoimmunity
14:10-14:22	Yael Mandel-Gutfreund, Technion Unexpected Transcription Factor-RNA interactions in Human Pluripotent Cells
14:25-14:37	Raymond Kaempfer, Hebrew University Pending their position within the gene, short RNA elements that activate PKR potently enhance splicing or silence translation by inducing eIF2 α phosphorylation
14:40-14:52	Rotem Karni, Hebrew University Dysregulation of alternative splicing in cancer and its modulation as therapy
14:55-15:07	Shulamit Michaeli, Bar-Ilan University Death and social motility in trypanosomes are controlled by splicing
15:10-15:50	Coffee Break
Session 3:	<u> </u>
15:50-16:55	Flash Talks (4 min each)
17:00-17:12	Eran Hornstein, Weizmann Institute Composition of membraneless organelles uncovered by APEX proximity labeling
17:15-17:27	Yaron Shav-Tal, Bar-Ilan University Nuclear speckles can buffer the availability of splicing factors in the nucleoplasm to regulate rates of gene expression
17:30-17:42	Ruth Sperling , Hebrew University Novel function of the endogenous spliceosome - the supraspliceosome
17:45	Concluding Remarks: Gil Ast, Tel-Aviv University

Flash Talks

15:50-15:53	Luna Tammer (TAU) - Exon-Intron Architecture in Genes Located in High and Low
	GC-Content Affects Alternative Splicing
15:54-15:57	Aldema Sas-Chen (WIS) - Paired-cell sequencing enables spatial gene expression
	mapping of liver endothelial cells
15:58-16:01	Noa Ben-Asher (TECH) - Atdr-1 is a novel anti-sense regulator of adr-1 in C. elegans
16:02-16:05	Ruti Balter (TAU) - Quantifying Proteome diversification due to A-to-I RNA editing in
	squids' brain
16:06-16:09	Eli Kopel (BIU) - Decreased A-to-I RNA editing as a source of keratinocytes dsRNA
	in psoriasis
16:10-16:13	Dikla Kamus Elimeleh (BGU) - Analysis of transcripts that associate with LeishIF4E1
	 an intriguing cap-binding protein in Leishmania
16:14-16:17	Maya Polishchuk (TECH) - SMARTIV: Web server for combined sequence and
	structure de-novo RNA motif discovery
16:18-16:21	Tanaya Bose (WIS) - Glimpse into origin of life: Role of RNA
16:22-16:25	Mai Baker (HUJI) - KDM3A regulates alternative splicing of cell cycle genes following
	DNA damage
16:26-16:29	Binyamin Zuckerman (WIS) - NXF1 availability regulates export of inefficiently
	spliced, long and intronless RNAs
16:30-16:33	Pushkar Malakar (HUJI) - Long Noncoding RNA MALAT1 regulates cancer glucose
	metabolism by enhancing mTOR-mediated TCF7L2 translation
16:34-16:37	Lior Lasman (WIS) - Genetic Dissection of m6A RNA Methylation Role in Early
	Mammalian Development
16:38-16:41	Shani Gal-Oz (BGU) - Female Baseline Alertness may Underlie Sexual Dimorphism
	in the Immune System
16:42-16:45	Keren Bahar Halpern (WIS) - Paired-cell sequencing enables spatial gene
	expression mapping of liver endothelial cells
16:46-16:49	Amalie Grenov (WIS) - YTHDF proteins regulate germinal center B cell function
16:50-16:53	Arie Fridrich (HU) - Evolution and functional characterization of Argonaute proteins in
	the starlet sea anemone Nematostella vectensis