

Program
A-to-I Editing by ADAR:
Immune Protection and RNA Rewriting Workshop
Monday, November 4, 2024

9:00 Gathering and coffee

9:30 Greetings by Prof. Yitzhak Hen

9:40-11:00 Session 1

Targeting mechanisms of dosage compensation to selectively kill aneuploid cancer cell, Hajime Okada/ Uri Ben-David, Tel Aviv University

Dissecting the determinants of A->I editing, Schraga Schwartz, Weizmann Institute

RNA editing enzyme's subcellular localization in *C. elegans*, Ayelet Lamm, Technion

A-to-I mRNA editing in bacteria is widespread and produces protein isoforms, Dan Bar Yaacov, Ben-Gurion University

11:00-11:30 Coffee Break

11:30-12:50 Session 2

TBA , Nabieh Ayoub, Technion

RNA editing deficiency: insights into islet auto-inflammation, Yuval Dor, The Hebrew University of Jerusalem

RNA editing as a possible tool for treating amenable mutations causing inherited retinal diseases, Dror Sharon, The Hebrew University of Jerusalem

Short talks selected from submitted abstracts:

A-to-I editing generates unparalleled complexity in the neural proteome of cephalopods, Kobi Shapira, Bar-Ilan University

The Interplay between Site Directed RNA Editing and Splicing in ABCA4, Nina Schnaider, The Hebrew University of Jerusalem

Flash talks

12:50-14:00 Lunch and Posters

14:00-15:00 Session 3

RNA editing therapeutics: ethical perspective, Azgad Gold, Beer Yaakov Mental Health Center

Dysregulated RNA Editing in inflammatory skin diseases, Shoshana Greenberger, Sheba Medical Center

Only a very small fraction of sense-antisense RNAs are targets of ADAR, Erez Levanon, Bar-Ilan University

15:00-15:30 Coffee Break

15:30-17:00 Session 4

Landscape of C-to-U RNA Editing Across Human Tissues, Eli Eisenberg, Tel Aviv University

ADAR enzymes and the generation of circular RNA within the supraspliceosome, Ruth Sperling, The Hebrew University of Jerusalem

Studying the role of RNA editing events in the regulation of motivated behaviors, Galit Ophir, Bar-Ilan University

Deciphering the factors that govern the temperature-dependence of mallard duck ADAR reactivity and dsRNA substrate recognition , Shay Ben-Aroya, Bar-Ilan University

Quiz and awards

17:00 END