



**The 17th Retreat of the Edmond J. Safra Center for Bioinformatics
June 6-7, 2023**

PROGRAM

Tuesday (6/6/23):

8:15 *Gathering in gate no. 2 (Beit Ha'tfutzot). Buses leave at 8:30.*

10:45-11:35 *Arrival to Nof-Ginosar, Kinneret (Lunch & organization)*

11:35-11:45 *Receiving name tags and gathering in the lecture hall*

11:45-12:00 **Opening:** Elhanan Borenstein

12:00-12:45 **Eli Sprecher**, Division of Dermatology, Tel Aviv Sourasky Medical Center,
Keynote talk: From genes to patient care: genetic skin diseases as a case study

12:45-13:10 **Ran Gilad-Bachrach:** Graph data – Learning models and explaining them

13:10-13:30 *Coffee break*

13:30-13:45 **Reut Danino** (Sharan & Nachman groups): Batch correction of single cell sequencing data via an autoencoder architecture

13:45-14:00 **Ron Sheinin** (Madi & Sharan groups): Integrating scRNA data with biological networks for representation learning

14:00-14:25 **Merav Cohen:** Exploring the tumor microenvironment from the point of view of cell-cell communication at the single-cell level

14:25-15:00 **Poster 1st lightning session** (posters 1-33)

15:00-16:30 **Poster 1st session** (posters 1-33) *and coffee*

16:30-18:30 *Break (room keys distribution)*

18:30-19:30 *Dinner*

19:30 *Social activity*



Wednesday (7/6/23):

07:00-09:00 *Breakfast + Checkout*

09:00-09:25 **Aldema Sas-Chen:** When the heat is on – turn up the AC(4C): roles for dynamic RNA acetylation in thermostabilization of RNA

09:25-09:40 **Bruria Samuel** (Burstein group): Anti-defense systems on plasmids and other conjugative elements

09:40-11:00 **Mixer:** Challenges in research and studies

11:00-11:30 **Poster 2nd lightning session** (posters 34-66)

11:30-13:00 **Poster 2nd session** (posters 34-66) *and coffee*

13:00-14:00 *Lunch*

14:00-14:45 **Ori Zelichov**, VP Clinical Development at Nucleai, **Keynote talk:** AI in drug development

14:45-15:00 *Coffee break*

15:00-15:15 **Gabi Lee** (Gophna group): Early detection of inflammatory Bowel disease

15:15-15:30 **Closing remarks** (best poster prize declaration)

15:30-15:45 *Organization and Buses leave to TAU*