



**The 19<sup>th</sup> Retreat of the Edmond J. Safra Center for Bioinformatics  
May 26-27, 2025, Ye'arim Hotel**

**PROGRAM**

**Monday (26/5/25):**

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

10:00-10:30 *Arrival to Ye'arim hotel, coffee, Name tags distribution, and gathering in the lecture hall*

10:30-11:00 **Opening: Elhanan Borenstein**

11:00-11:45 **Nir Yosef**, Department of Systems Immunology, Weizmann Institute of Science,  
**Keynote talk:** Single cell phylogenetics: Toward spatiotemporal analysis of tumor evolution

11:45-12:00: **Keren Mor-Waknin** (Shkolnisky lab): Object detection under the linear subspace model with application to Cryo-EM images

12:00-12:15 **Avi Baraz** (Obolski & Nevo labs): Estimating the effect of antibiotic use among hospitalized patients from different populations

12:15-13:30 *Lunch*

13:30-13:55 **Carmit Levy**: Reprogramming the brain to fight metastases

13:55-14:25 Flash talks by undergraduate students: **Neri Golan** (Shomron lab), **Lihi Haham** (Borenstein lab)

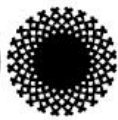
14:25-15:00 **Poster 1<sup>st</sup> lightning session** (posters **1-34**)

15:00-16:30 **Poster 1<sup>st</sup> session** (posters **1-34**) *and coffee break*

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

18:30-19:30 *Dinner*

19:30 *Marking the 20<sup>th</sup> Anniversary of the Edmond J. Safra Center for Bioinformatics*



**Tuesday (27/5/25):**

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

09:00-09:25 **Uri Ben-David**: Genomic approaches to studying chromosomal catastrophes in human cancer

09:25-09:30 Flash talk by undergraduate student: **Altar Horowitz** (Ben-David lab)

09:30-09:45 **Arielle Kahn** (Stern lab): Navigating a fine balance: Point-mutant cheater viruses disrupt the viral replication cycle

09:45-10:10 **Ron Shamir**: Computational vignettes in genomics and medicine

10:10-11:15 **Mixer**: Challenges in research and studies

11:15-11:45 **Poster 2<sup>nd</sup> lightning session** (posters **35-68**)

11:45-13:15 **Poster 2<sup>nd</sup> session** (posters **35-68**) *and coffee break*

13:15-14:15 *Lunch*

14:15-15:00 **Liran Carmel**, Professor of Computational Biology, Hebrew University of Jerusalem, **Keynote talk**: What makes us human? Studying human history and evolution using ancient DNA

15:00-15:15 *Coffee break*

15:15-15:30 **Shai Cohen** (Tuller lab): Novel generic computational approaches for gRNAs design based on gene expression modeling, biochemistry, competition, and metagenomics

15:30-16:00 **Closing remarks** (best poster prize declaration)

16:00-16:15 *Organization and Buses leave to TAU*