The 16th Retreat of the Edmond J. Safra Center for Bioinformatics
November 24-25, 2021

PROGRAM

Wednesday (24/11/21):

8:30 *Gathering in **gate no. 2** (Beit Ha'tfutzot). Buses leave at 8:45.*

11:00-11:45 *Arrival to Maagan-Eden, Kinneret (light lunch & organization)*

11:45-12:15 **Opening** (Ron Shamir)
Amir Rubinstein – In memoriam of Prof. Benny Chor

12:15-12:50 **Yael Steuerman,** Data Science Team Lead at K Health, **Keynote talk:** Utilizing the power of data to improve Healthcare

12:50-13:15 **Adi Stern:** The evolutionary dynamics of SARS-Coronavirus-2 variants

13:15-13:35 *Coffee break*

13:35-13:50 **Sheri Harari** (Adi Stern's group): What makes a variant? Evolution of SARS-CoV-2 in immunocompromised patients

13:50-14:05 **Artem Danilevsky** (Noam Shomron's group): Dirty, complex, and huge - genomic data for deep learning

14:05-14:30 **Yoav Ram:** Bayesian inference in experimental evolution

14:30-15:00 **Poster 1st lightning session** (posters 1-27)

15:00-16:30 **Poster 1st session** (posters 1-27) *and coffee*

16:30-18:00 *Break (room keys distribution)*

18:00-19:00 *Dinner*

19:00 *Social activity*

Thursday (25/11/21):

07:30-09:00 *Breakfast + Checkout*

09:00-09:25 **Omri Wurtzel:** Regulation of lineage choice in stem cell-based regeneration

09:25-09:40 **Yadid Algavi:** (Elhanan Borenstein's group): A data-driven approach for predicting the impact of drugs on the human microbiome

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

11:00-11:30 **Poster 2nd lightning session** (posters 28-53)

11:30-13:00 **Poster 2nd session** (posters 28-53) *and coffee*

13:00-14:00 *Lunch*

14:00-14:35 **Amos Tanay**, Dept. of Computer Science and Applied Mathematics and Dept. of Biological Regulation, Weizmann Institute of Science, **Keynote talk**: What is a transcriptional manifold and how can we use it to understand cells' dynamics and genes' function

14:35-14:50 *Coffee break*

14:50-15:05 **Naama Wagner** (Tal Pupko's group): Machine-learning as a tool to identify disease causing proteins within pathogenic bacteria.

15:05-15:20 **Closing remarks** (best poster prize declaration)

15:20-15:45 *Organization and Buses leave to TAU*