

**The 11th Retreat of the Edmond J. Safra Center for Bioinformatics
May 29-30, 2016**

PROGRAM

Sunday (29/05/16):

Buses leave at 8:30am (from TAU gate no. 2)

11:30-11:40 *arrival to Maagan*

11:40-11:50 **Opening**

11:50-12:25 **Raanan Berger**, Head of Institute of Medical Oncology, Sheba Medical Center, **Keynote talk:** Molecular personalized cancer medicine – Is it a game changer in treating cancer patients?

12:25-12:40 **Noa Wertheimer** (Judith Berman's group): Understanding the molecular mechanisms of heteroresistance in *Candida glabrata*

12:40-14:00 *Tour and light lunch*

14:00-14:45 **Eli Eisenberg**, **Tutorial session:** RNA editing, a source for transcriptome complexity

14:45-15:00 **Eli Goz** (Tamir Tuller's group): Deciphering and engineering the silent information encoded in viral genomes

15:00-16:00 *Break (coffee, room keys distribution)*

16:00-16:35 **Liran Carmel**, Genetics Faculty of Science, the Hebrew University, **Keynote talk:** The Neanderthals and us: what does it take to make us humans?

16:35-16:50 **Elior Rahmani** (Eran Halperin's group): Correction for tissue heterogeneity in DNA methylation data

16:50-17:15 **Poster 1st lightning session** (posters 1-18)

17:15-19:00 **Poster 1st session** (posters 1-18) *and coffee*

19:00-20:00 *Dinner*

20:00 *Social activity and Beer*

Monday (30/05/16):

07:00-09:00 *Breakfast + Checkout (luggage in storage room)*

09:00-09:25 **Ran Elkon:** Crispr-based functional screens for regulatory elements in the human genome

09:25-09:40 **Yael Steurman** (Irit Gat-Viks' group): Computational methods in immune cell heterogeneity

09:40-10:05 **Poster 2nd lightning session** (posters 19-36)

10:05-11:45 **Poster 2nd session** (posters 19-36)

11:45-13:00 *Active recess (sports activities/swimming)*

13:00-14:00 *Lunch*

14:00-14:25 **Yossi Shiloh:** The DNA damage response: the complexity keeps growing

14:25-14:40 **Tal Zinger** (Adi Stern's group): Computer simulation approach for predicting the evolution of RNA viruses in tissue culture

14:40-15:30 **Mixer: "Meet the Expert" and coffee**

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| Karen Avraham | The path to a/my scientific career: the journey, successes and dilemmas |
| Ran Elkon | How to give a good scientific talk? |
| Irit Gat-Viks, Eran Halperin | How to choose a good scientific problem? |
| Uri Gophna | Maintaining self motivation when results are so-so and future is Blurred |
| Itay Mayrose | What do I do from here? |
| Tal Pupko | How to build a scientific career? |
| Ron Shamir | How I got into science? |
| Adi Stern | Experience/successes/failures in the academic career |
| Tamir Tuller | A scientific career in the academia vs. high-tech/bio-tech |

15:30-15:55 **Saharon Rosset:** Still searching for missing heritability: statistical methods for analyzing genome wide studies

15:55-16:05 **Closing remarks** (best poster prize winner declaration)

16:05 *Buses leave to TAU*