



**Fifth Edmond J. Safra Bioinformatics Retreat
Neve Ilan, 16-17th of May, 2010**

PROGRAM

Sunday (16/05/10):

Buses leave at 9am (from TAU gate no. 2), arrival to Neve Ilan at 10am

10-10:30 Organization, luggage in storage room

10:30-10:50 Opening remarks

10:50-11:35 **Martin Kupiec**: The end is near: regulation of telomere length

11:35-13:50 Excursion + lunch

13:50-14:50 **Ranit Aharonov (Rosetta Genomics)**: MicroRNAs as diagnostic biomarkers

14:50-15:15 **Eyal Mor**: MicroRNA signatures define inflammatory regulation

15:15-16:00 Break (room keys distribution)

16:00-16:45 **Dan Halperin**: Sparse spherical arrangements and geometric algorithms for molecular structures

16:45-17:10 **Keren Lasker**: Structural determination of macromolecular machines guided by proteomics and electron microscopy

17:10-19:00 **Poster session**

19:00-21:00 Dinner

21:00 and on Social activities

Monday (17/05/10):

7:00- 9:00 Breakfast

9:00-10:00 **Chaim Cedar (Hebrew University)**: Programming of DNA methylation

10:00-11:15 Social activities in the hotel facilities (pool etc.) + checking out

11:20-11:45 **Ori Folger**: Identifying metabolic targets in cancer

11:45-12:30 **Iftach Nachman**: Computational challenges in live cell imaging of large populations

12:30-13:30 Lunch

13:30-13:55 **Guy Karlebach**: Gene regulatory networks: modeling and perturbation analysis

13:55-14:20 **Idit Buch**: Assessment of a kinase binding sites using docking and MD simulations

14:20-14:50 Break

14:50-15:15 **Eyal Privman**: GUIDANCE for your multiple sequence alignments

15:15-15:40 **Osnat Ravid-Amir**: Mutation rate estimates in Y-STRs from population samples

15:40-16:00 **Eran Halperin**: Computational challenges in human genetics

16:00-16:10 Concluding remarks