

JBC Retreat – May 13-15, 2018, Program

Sunday, May 13

13:00 - Bus departure to Ma'agan from Edmond J. Safra Campus and The Robert H Smith Faculty of Agriculture, Food and Environment in Rehovot.

16:00-17:00

- Arrival
- Rooms
- Poster set up

17:00-17:15 – Opening notes

17:15-18:50 - Session 1: Interdisciplinary perspectives on statistical learning

Chair: Udi Zohary

17:15-17:40 - Ram Frost (HUJI), "Visual statistical learning and reading"

17:40-18:05 - Yonatan Loewenstein (HUJI), "Dissecting the roles of supervised and unsupervised learning in perceptual discrimination judgments"

18:05-18:30 - Omri Abend (HUJI), "A computational model for the semantic bootstrapping of grammar"

18:30-18:50 - Tali Tishby (HUJI), "The deep learning revolution - what can it tell us about our brains?"

19:00-20:30- Dinner

20:30-21:15 - Special Guest Lecture – Prof. Arnon Lotem, (TAU) – “Slow learning, poor memory, and irrational decisions: is this the best brain evolution can offer?”

Monday, May 14

8:30-10:10 – Session 2: Consciousness.

Chair – Merav Ahissar

8:30-8:55 - Dominique Lamy (TAU), “On the limits of unconscious processing”

8:55-9:20 - Ran Hassin (HUJI), “Non-conscious speed: a robust human trait”

9:20-9:45 - Rafi Malach (Weizmann Inst), “Few clouds over the horizon: open questions in the search for a neuronal theory of conscious awareness”

9:45-10:10 - Merav Ahissar (HUJI), Round-table discussion: "Consciousness - what do we mean and what is it good for?"

10:10-10:30 - Coffee Break

10:30-12:10 Session 3: somatosensory and motor system function

Chair: Aharon Lev-Tov

10:30-10:55 - Ilan Lampl (Weizmann Inst), “Correlation and decorrelation of ongoing and sensory synaptic activities in the somatosensory cortex”

10:55-11:20 - Izhar Bar Gad (BIU), “Encoding of hyperkinetic symptoms following striatal disinhibition”

11:20-11:45- Eilon Vaadia (HUJI), “Brain machine interface as a window to learning and plasticity of local circuits of the motor cortex”

11:45-12:10 - Roy Mukamel (TAU), “Neural circuits mediating transfer of motor knowledge”

12:10-13:15 - Lunch

13:15-14:55 – Session 4: Social communication, signals, behaviors, and neuronal mechanisms

Chairs: Yoram Ben-Shaul & Mickey London

13:15-13:40 - Yossi Yovel (TAU), “Vocal communication in a crowd of bats - from chaos to information”

13:40 -14:05 - Shlomo Wagner (Haifa), “Hypothalamic regulation of social behavior in rodents”

14:05-14:30 - Galit Ophir (BIU), “Molecular mechanisms encoding social interaction in fruit flies”

14:30-14:55 - Mickey London (HUJI), “Mice courtship songs: what goes on in the anterior cingulate cortex of Speedy Gonzales?”

15:15 - Leave for the trip

16:00-19:00 Trip – Walking tour of archeological site [Vadum Jacob](#) (מצד עתרת)

Guide: Prof. Ronnie Ellenblum

19:00-21:00 –Dinner, Iskandar Restaurant

Tuesday, May 15

6:15 - Sunrise Bicycle ride along the Kinneret or Dragon Boats rowing (optional)

8:30 – Breakfast & check-out

9:30-11:10 – Session 5: Development and plasticity.

Chair – Ami Citri

9:30-9:55 - Dalit Sela-Donenfeld (HUJI), “Hindbrain boundaries- a new source of neural stem cells? “

9:55-10:20 - Ithai Rabinowitch (HUJI), "Brain-wide cross-modal and cross-body sensory modulation following sensory loss"

10:20-10:45 - Itamar Harel (HUJI), “Exploring the genetics of aging using a naturally short-lived vertebrate”

10:45-11:10 Adi Inbal (HUJI), “Interactions between the eye and its vasculature – lessons from zebrafish”

11:10-13:40 – Poster Session

11:10-12:40 – Poster exhibition and coffee break

12:40-13:40 – Students blitz

13:40-13:50 - Closing remarks

13:50 - 14:00 - Buses leaving from the hotel for lunch

14:20-15:40 – Lunch, The Kurdish village, Yardena (הכפר הכורדי בירדנה)

15:40 – Buses departure to Jerusalem and Rehovot