

FROM NEURONAL TIMING TO MENTAL EXPERIENCE

Conference in honor of Prof. Moshe Abeles

February 27- March 1, 2017

Ein Gedi

Monday, February 27, 2017

9:00	<i>Buses depart from the Dekalim Gate (Pedestrian gate No. 5), Bar-Ilan University</i>
11:30-12:15	<i>Check-in</i>
12:15-13:15	Lunch
13:15	<i>Setting the posters at the "Amihai" Hall</i>
13:30-13:45	Moshe Bar Bar-Ilan University <i>Opening remarks</i>
Session1, Chair: Izhar Bar Gad	
13:45-14:20	Ad Aertsen Freiburg University <i>Time and time again...</i>

14:20-14:55	Rafael Yuste Columbia University <i>Repeated spatiotemporal patterns of spontaneous and evoked activity in sensory cortex</i>
14:55-15:30	Shimon Marom Technion <i>Kinetics over structure in long-term spiking behavior</i>
15:30-16:00	Coffee Break
Session 2, Chair: Mina Teicher	
16:00-16:35	Yadin Dudai Weizmann Institute <i>The first seconds of an item in episodic memory</i>
16:35-17:10	Hagai Bergman Hebrew University <i>State-action behavior loop: The complementary roles of the cortico-cortical and the basal ganglia networks</i>
17:10-17:45	Sonja Grün Jülich University <i>Scaling up spatio-temporal pattern detection to massively parallel spike trains</i>
17:45-18:20	Moshe Abeles Bar-Ilan University <i>Spatio-temporal patterns specific to a cognitive process</i>
19:00-20:00	Dinner
20:00	Poster session and cocktail party

Tuesday, February 28, 2017

7:00-8:45 Breakfast

Session 1, Chair: Ed Stern

9:00-9:35 **Lilach Avitan** University of Queensland
Neural coding in the zebrafish visual system

9:35-10:10	Hamutal Slovin Bar-Ilan University <i>Higher and lower visual functions and their representation in the visual cortex</i>
10:10-10:45	Israel Nelken Hebrew University <i>Order and disorder in auditory cortex: a review of 50 controversial years</i>
10:45-11:05	Coffee Break
Session 2, Chair: Alon Korngreen	
11:05-11:40	Dana Ballard University of Texas at Austin <i>A neural coding hypothesis to address multiplexing</i>
11:40-12:15	Ido Kanter Bar-Ilan University <i>Low-firing rates, cortical oscillations and neuronal microseconds precision stem from neuronal plasticity: Experiment and theory</i>
12:15-12:50	Izhar Bar Gad Bar-Ilan University <i>Encoding of spatial and temporal properties of motor tics</i>
13:00-14:00	Lunch
Session 3, Chair: Dana Cohen	
14:00-14:35	Stu Geman Brown University <i>Human Learning, Small Data, and the Search for Motif's in the Neural Code</i>
14:35-15:10	Rony Paz Weizmann Institute <i>Coding by spike sequences in the primate amygdala</i>
15:10-15:45	Ehud Ahissar Weizmann Institute <i>Science as a converging triangulation process</i>
15:45-16:20	Moshe Abeles Bar-Ilan University <i>Life-time research experience</i>
16:30	Buses depart to the Maale' Dragot
17:00	Sunset and cocktails at Maale' Dragot
18:30-20:00	Dinner in the Bedouin tent
20:00	Sing-along, Dr. Eitan Okun and friends

Wednesday, March 1, 2017

7:00-8:45 Breakfast and check-out (a luggage room will be available)

Session 1, Chair: Hamutal Slovin

9:00-9:35 **György Buzsáki** New York University

Why do we need so many neurons?

9:35-10:10 **Ed Stern** Bar-Ilan University

Is dementia a disruption of cortical synfire chains?

10:10-10:45 **Yifat Prut** Hebrew University

Motor cortical synchrony induced by thalamocortical interactions

10:45-11:15 **Coffee break**

Session 2, Chair: Adam Zaidel

11:15-11:50 **Dana Cohen** Bar-Ilan University

The cerebellum -- a key node in the movement production network

11:50-12:25 **Eran Stark** Tel Aviv University

Revealing the spiking network mechanisms underlying short term memory: first steps

12:25-13:00 **Amos Arieli** Weizmann Institute

The Role of Motor-Controlled Sensation in the Emergence of Perceptual Awareness

13:00-14:00 **Lunch**

14:15 **Departure**

This document was created with Win2PDF available at <http://www.win2pdf.com>.
The unregistered version of Win2PDF is for evaluation or non-commercial use only.
This page will not be added after purchasing Win2PDF.