



מרכז זלוטובסקי למדעי העצב  
Zlotowski Center for Neuroscience



Ben-Gurion University of the Negev  
Faculty of Health Sciences

# *Annual Retreat of the Zlotowski Center for Neuroscience*

**6-7 February, 2019**



***Sde-Boker, ISRAEL***





## Annual Retreat of the Zlotowski Center for Neuroscience

Wednesday-Thursday, February 6<sup>th</sup>-7<sup>th</sup>, 2019

Sde-Boker

### Program

#### Wednesday, February 6

08:45 Bus leaves **BGU Train Station** to Sde-Boker Campus  
Contact Orit Cohen Rothman 052-8355015.

09:30 09:45 *Arrival at Sde-Boker*, Luggage storage  
Refreshments at the Interdisciplinary Lecture Hall

10:10 10:15 *Opening remarks*

#### Session 1: *High Brain Functions*, Chair: Prof. Maoz Shamir

10:15 10:40 **Dr. Dorit Ben-Shalom** *The 4 streams of the prefrontal cortex*

10:40 11:05 **Prof. Nachshon Meiran** *Powerful Instructions: Automaticity Without Practice*

11:05 11:30 **Dr. Yoav Kessler** *Working memory updating, gating and removal: Lessons from the reference- back paradigm*

**11:30 11:50** *Short Break*

11:50 12:15 **Dr. Daniel Gitler** *Inhibition of synaptic transmission by alpha-synuclein is dependent on synapsin*

12:15 12:35 **Dalit Milshtein (PhD. Student)** *Manipulation of Alternative States of Affairs Modulate Affective Priming*

12:35 12:55 **Edan Daniel (M.Sc. Student)** *Neural variability quenching is strongly associated with*

12:55 15:45 *Light Lunch at the Hamburg Hall & Posters Session, Rooms check-in*



**Session 2: *Motor Systems and Robotics*, Chair: Prof. Opher Donchin**

15:45	15:10	<b>Dr. Ilana Nisky</b>	<b>Sensorimotor control in robot-assisted surgery – a path out to the wild?</b>
15:10	16:30	<b>Shay Sasson (PhD. Student)</b>	<b>Optimal Temporal Information Encoding in Recurrent Spiking Networks</b>
16:30	16:50	<b>Chen Avraham (PhD. Student)</b>	<b>Adaptation to laterally asymmetrical delay has neglect-like effect on action but not on perception</b>
16:50	17:10	<b>Shirel Argueti (M.Sc. Student)</b>	<b>Disruption of nucleocytoplasmic transport in SOD1 ALS Disruption of nucleocytoplasmic transport in SOD1 ALS</b>

**18:00** Departure with bus to special dinner and lecture at *Sfinat Hamidbar Khan*

**18:30** Special Guest Lecture:

**Prof. Yoram Yovel: "*Introduction to Affective Neuroscience*"**

❖ Applause and Prizes for the Winning Posters

**19:30** Special Dinner...





## Thursday, February 7

07:00 08:00 Yoga Session to open the day...

08:00 09:00 Breakfast

09:00 09:30 Clearing the rooms and Luggage storage

### Session 3: *Neuroscience of Diseases*, Chair: Prof. Fred Libersat

09:30	09:55	<b>Dr. Tammy Riklin Raviv</b>	<b>Computational Methods for White Matter Tracts Analysis: Application to mild Traumatic Brain Injuries Assessment</b>
09:55	10:20	<b>Dr. Florina Uzefovsky</b>	<b>Self-other distinction in empathy: insights from an imaging genetics study of autism</b>
	<b>10:20</b>	<b>10:35</b>	<b>Coffee Break</b>
10:35	11:00	<b>Dr. Deborah Toiber</b>	<b>Molecular Biology of age related neurodegeneration</b>
11:00	11:20	<b>Tsilil Simantov (PhD. Student)</b>	<b>Hormonal imbalance among women with and without autism</b>
11:20	11:45	<b>Prof. Ilan Dinstein</b>	<b>Overnight EEG recordings reveal cortical activity abnormalities in some children with autism</b>

11:45 13:00 Light Lunch and refreshments

### Session 4: *Development and Plasticity*, Chair: Prof. Yair Neuman

13:00	13:25	<b>Dr. Ramon Birnbaum</b>	<b>The role of gene regulatory elements in neurodevelopmental disorders</b>
13:25	13:45	<b>Maayan Harel (PhD. Student)</b>	<b>Effects of deep transcranial magnetic stimulation of the medial PFC and ACC on relapse to alcohol use and related brain</b>
13:45	14:10	<b>Prof. Abraham Zangen</b>	<b>Brain Stimulation in the Study and Treatment of Addiction: From Animal Models to Human Application</b>
14:10	14:35	<b>Dr. Gad Vatine</b>	<b>Using patient-specific induced pluripotent stem cells (iPSCs) to study the role of the blood brain barrier (BBB) in health and disease</b>
14:35	15:00	<b>Dr. Noa Gueron-Sela</b>	<b>Early cognitive and social development in the context of premature birth: insights from human and animal studies</b>

15:00 Bus leaves Sde-Boker for BGU Campus