



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 6th-7th, 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 reductions in neural oscillations*

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

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

18:30 Special Guest Lecture:

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

Psychology Department, The Hebrew University of Jerusalem

❖ **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 **Dr. Tammy Riklin Raviv** **Computational Methods for White Matter Tracts Analysis: Application to mild Traumatic Brain Injuries Assessment**

09:55 10:20 **Dr. Florina Uzefovsky** **Self-other distinction in empathy: insights from an imaging genetics study of autism**

10:20 10:45 **Dr. Deborah Toiber** **Molecular Biology of age related neurodegeneration**

10:45 11:00 Coffee Break

11:00 11:20 **Tslil Simantov (PhD. Student)** **Hormonal imbalance among women with and without autism**

11:20 11:45 **Prof. Ilan Dinstein** **Overnight EEG recordings reveal cortical activity abnormalities in some children with autism**

11:45 12:10 **Dr. Gad Vatine** **Using patient-specific induced pluripotent stem cells (iPSCs) to study the role of the blood brain barrier (BBB) in health and disease**

12:10 13:15 Light Lunch and refreshments

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

13:15 13:40 **Dr. Ramon Birnbaum** **The role of gene regulatory elements in neurodevelopmental disorders**

13:40 14:00 **Maayan Harel (PhD. Student)** **Effects of deep transcranial magnetic stimulation of the medial PFC and ACC on relapse to alcohol use and related brain**

14:00 14:25 **Prof. Abraham Zangen** **Brain Stimulation in the Study and Treatment of Addiction: From Animal Models to Human Applicatio**

14:25 14:50 **Dr. Noa Gueron-Sela** **Early cognitive and social development in the context of premature birth: insights from human and animal studies**

15:00 Bus leaves Sde-Boker for BGU Campus