Ein Gedi 2020 Program

Sunday, February 23
08:45  Bus departure to Ein-Gedi from Edmond J. Safra Campus, main bus stop. Departure at 09:00 SHARP!
10:30  Arrival to Ein Gedi Hotel
10:30-11:00 Coffee reception
11:00-11:05 Opening remarks
11:05-12:35  Session I – Reinforcement Learning in Real Life, Chair: Alex Kazakov
  Lior Fox: Planning and learning to explore in complex environments: A maximum-entropy approach
  Johannes Niediek: Modeling rat behavior by reinforcement learning with information limits
  Ana Polterovich: Spatial learning in a complex environment
  Lilach Avitan: Hunting behavior in the developing larval zebrafish - Behavioral incentives and informational constraints
12:35-13:45 Sandwich lunch & Discussion groups (weather permitting)
13:45-15:00 Session II – Local and External Mechanisms of Cortical Modulation, Chair: Ana Polterovich
  Amir Dudi: Functional characterization of the VIP/ChAT interneurons in vivo
  Yair Deitcher: Nonlinear relationship between multimodal adrenergic responses and local dendritic activity in primary sensory cortices
  Gal Atlan: The mouse claustrum and its function in behavior under sensory load: from elusive anatomy to physiology
15:00-15:15 Community Outreach - Yonatan Loewenstein
15:15-15:45 Coffee break
15:45-16:15 Poster Blitz #1 Chair: Adi Mizrahi
  Alex Kazakov, Shani Vaknine, Elior Drori, Efrat Sheinbach, Ayelet Gertsovski, Tomer Barak
16:15-17:30 Storytelling Workshop: Rinat Gershfeld
17:30-19:00 Room allocation + free time
19:00-20:00 Dinner
20:00-21:30 Social activity initiated by ELSC Students, with the pianist Daniel Talmor

Monday, February 24
07:30-08:30 Breakfast
08:30-09:45 Session III – From Genes to Behavior, Chair: Ami Citri
  Ben Jerry Gonzales: The ventrolateral striatum: A brain hub connecting stereotypies, reinforcement and drug preference
  Haran Shani-Narkiss: Adult-born neurons improve odor discrimination by mitral cells
  Rotem Dan: Emotional states as dynamic organizations of functional brain networks
09:45-10:15 Poster Blitz #2 Chair: Inbal Goshen
  Daniel Batyrev, Shai Berman, Dina Moshitch, Gal Vishne, Eilam Goldenberg, Anna-Kristina Schmidtner
10:15-10:40 Coffee break
10:40-12:20 Session IV – Computation in Biological and Artificial Neural Systems, Chair: Yonatan Loewenstein
  Michael Doron: Discovering unknown nonlinear phenomena in simulation and experimental data
  Gadi Mintz: Non-normal amplification in the barrel cortex connectome
  Haggai Agmon: Functional and emergent consequences of synaptic coupling between grid cells and place cells, across multiple spatial maps
  Guy Hacohen: All neural networks are created equal
12:20-13:20 Sandwich lunch
13:20 Bus departure to a hike and tour with Dr. Uri Ryb from the Institute of Earth Sciences
17:00-18:15 Back to Ein Gedi + free time
18:15-18:30 Poster set-up
18:30-20:00 Poster Session (at “The Ficuses Square”)
  19:30 Wine & Cheese
20:00-21:00 ELSCAR! & Prize announcement for best blitz and poster winners
21:00 Party!

Tuesday, February 25

07:30-09:00 Breakfast & Check-out
09:00-10:40 Session V – Neurodegenerative Diseases, Chair: Eran Meshorer
  Katarzyna Winek: Transfer RNA fragments and microRNAs co-regulate the cholinergic control of post-stroke immune responses
  Pnina Rappel: Beta oscillations in the basal ganglia: Between physiology and pathology
  Walaa Oweis: Identifying biological mechanisms associated with poly-glutamine aggregate formation in Huntington’s disease
  Anael Cain & Gilad Green: The cellular landscape of the human aging and Alzheimer’s brain
10:40-11:10 Coffee break
11:10-11:40 New Recruit Lecture, Chair: Israel Nelken
  David Omer: Space, time and others in the bat hippocampus
11:40-13:00 Session VI – Cutting Edge Techniques to Record Neuronal Dynamics, Chair: Yoav Adam
  Ariel Gilad: Mesoscale recording of cortical and sub-cortical neuronal dynamics
  Ido Maor: Recording neuronal representations using neuropixels probes
  Yoav Adam: All-optical dissection of hippocampal circuits using voltage imaging
13:00-13:15 Closing remarks
13:15-14:15 Lunch
14:15 Bus departure to Edmond J. Safra Campus