JBC Retreat – June 2-4, 2019, Program

Sunday, June 2ⁿᵈ

12:30 - Buses Departure to Mitzpe Ramon from Edmond J. Safra Campus and The Robert H Smith Faculty of Agriculture, Food and Environment in Rehovot

15:00-16:00

- Arrival
- Rooms
- Poster Set Up

16:00-16:15 – Opening Notes

16:15-17:30 - Session 1: The Retina: Degeneration, Computation, and Mood Regulation

Chair: Yoram Ben Shaul

16:15-16:20 – Introduction

16:20-16:40 – Eyal Banin (HUJI), " Emerging Gene- and Cell-Based Therapies for Retinal Degenerations: 'The HUJI-Hadassah Experience'"

16:40-17:00 – Michal Rivlin (Weizmann): "It's All About Timing: The Computation of Motion Direction in the Retina"

17:00-17:20 - Shai Sabah (HUJI), "Synaptic Circuits of Intrinsically Photosensitive Retinal Ganglion Cells, and Their Role in Mood Regulation"

17:20-17:30 – Summary

17:30-19:00- Poster Session

19:00-20:15 - Dinner

20:15-22:30 – Brain & Beer at the "Pangea": Students Blitz

Monday, June 3ʳᵈ

8:00-9:30 - Breakfast

9:30-11:05 – Session 2: Neuroethology, Chair – Aharon Lev-Tov

9:30-9:35 - Introduction

9:35-9:55 - Mark Shein-Idelson (TAU), "From Dragons to Sliders: Explorations of Population Dynamics in Ancestral Cortices"

9:55-10:15 - Ronen Segev (BGU), "Navigation in Fishes"

10:15-10:35 – Yoram Gutfreund (Technion), "From Visual Processing in the Optic Tectum of Barn Owls to Japanese Optical Art"

10:35-10:55 - Avihu Klar (HUJI), "Decoding Spinal Neuronal Circuits For Refined Locomotion and Wing Flapping in Chick"

10:55-11:05 – Summary

11:05-11:30 - Coffee Break

11:30-12:45 Session 3: Pain, Chair: Marshall Devor

11:30-11:35 - Introduction

11:35-11:55 - Avi Priel (HUJI), "Elucidating Spiciness: Mechanism of TRPV1 Polymodal Activation"

11:55-11:15 - Baruch Minke (HUJI), "The First Human Lacking Functional TRPV1 Channels: Implications for TRPV1 Functions in Human Nociception"

11:15-12:35 - Marshall Devor (HUJI), "Neuropathic Pain: When Nerves Hurt"

12:35-12:45 – Summary

12:45-13:30 - Lunch

13:30-15:05 – Session 4: Eye Movements and Cognition, Chair: Ayelet Landau

13:30-13:35 - Introduction

13:35-13:55 - Leon Deouell (HUJI), "Eye Movements and EEG - Pitfalls and Opportunities"

13:55 -14:15 - Yafa Yeshurun (HaifaU), "The Characteristics of the Attentional Window when Measured with the Pupillary Response to Light"

14:15-14:35 - Yoni Pertzov (HUJI), "Individual Differences in Visual Exploration"

14:35-14:55 - Shlomit Yuval Greenberg (TAU), "Suppression of Eye Movements as an Index for Temporal Expectations"

14:55 – 15:05 – Summary

15:30 - Leave for the Trip**: Bicycle Ride in the Mitzpe Ramon Crater or Walking Tour**

19:30 – 21:00 – Dinner in the Crater

21:00- 22:00 - Guest Speaker: Nir Shaviv (HUJI), "From Global Warming to Dark Matter in the Milky Way's Galactic Plane"

22:00 – 23:00 - Star Gazing

Tuesday, June 4th

8:00 – Breakfast & Check-Out

9:15-10:30 – Session 5: Brain and Behavior: Evolutionary Perspectives, Chair – Eran Meshorer

9:15-9:20 - **Introduction**

9:20-9:40 - Liran Carmel (HUJI), "Studying the Human Past Using Ancient DNA Methylation Maps"

9:40-10:00 - Guy Bloch (HUJI), "The Social Sleep of the Bee: Bumblebees Give Up Sleep to Improve Care for Their Sibs"

10:00-10:20 - Yaniv Assaf (TAU), "The Plasticity of the Connectome"

10:20-10:30 – Summary

10:30 – 10:50 – Coffee Break

10:50- 12:25 - Session 6: Language & the Brain, Chair – Ehud Zohary

10:50- 10:55 – Introduction

10:55-11:15 - Ram Frost (HUJI), "Does Efficient Reading of 'War and Peace' in English, Hebrew or Chinese, Involve Identical Neuro-Cognitive Mechanisms? An Information Theory of Reading"

11:15-11:35 - Michal Ben-Shachar (BIU), "Some Similarities in the Neural Implementation of Written Words in Hebrew and English"

11:35 -11:55- Yosef Grodzinsky (HUJI), "A Fresh Look at the Language-Logic Interface in the Brain"

11:55-12:15 - Inbal Arnon (HUJI), "Low Entropy is Beneficial for Language Learning: Implications for Language Structure"

12:15-12:25 – Summary

12:25-12:35 - Closing Remarks

12:35 – 13:30 – Lunch

13:30 – Buses Departure to Jerusalem and Rehovot