**Brainy Days in Jerusalem**
June 26-29, 2017
Mishkenot Sha’ananim, Jerusalem

**Monday, June 26th**

9:30 – **Organizing Committee** – Opening remarks
9:40 – **Charles Zuker** – Columbia University, USA  
From Receptors to Behavior
10:30 – **Noam Sobel** – Weizmann Institute of Science, Israel  
Predicting Odor Perception from Odor Structure: Pleasantness as a Reflection of the Physical World
11:10 – **Coffee break**

11:40 – **Liqun Luo** – Stanford University, USA  
Genetic Dissection of Neural Circuit Assembly and Organization
12:30 – **Michal Rivlin-Etzion** – Weizmann Institute of Science, Israel  
The Computation of Motion Direction in the Retina: Recalculating
13:10 – **Lunch break**

14:30 – **Jonathan Pillow** – Princeton University, USA  
Low-Dimensional Dynamic Encoding in Prefrontal Cortex during Decision-Making
15:20 – **Eilon Vaadia** – The Hebrew University of Jerusalem, Israel  
Volitional Control of Neuronal Activity in Brain Machine Interface

16:00 – **Coffee break**

16:30 – **Richard Axel** – Columbia University, USA  
Representations of the Olfactory World in the Brain: Beyond the Piriform Cortex
Tuesday, June 27th

9:30 – Bert Sakmann – Max Planck Institute for Neurobiology, Germany
   From Single Cells & Single Columns to Cortical Networks - Coincidence Detection and Synaptic Transmission in Brain Slices and Brains

10:20 – Jackie Schiller – Technion – Israel Institute of Technology
   Title - TBA

11:00 – Coffee break

11:30 – Idan Segev – The Hebrew University of Jerusalem, Israel
   Title - TBA

12:10 – Mickey London – The Hebrew University of Jerusalem, Israel
   Adrenergic Modulation Regulates Dendritic Excitability of Layer 5 Pyramidal Neurons In Vivo

12:50 – Lunch break

14:00 – Sabine Kastner – Princeton University, USA
   Neural Dynamics of the Primate Attention Network

14:50 – Galit Yovel – Tel Aviv University, Israel
   Beyond Faces: A Comprehensive Framework for Person Recognition

15:30 – Coffee break

16:00 – Jack Gallant – University of California, Berkeley, USA
   Title - TBA
Wednesday, June 28th

9:30 – James DiCarlo – Massachusetts Institute of Technology, USA
Title - TBA

10:20 – Yair Weiss – The Hebrew University of Jerusalem, Israel
Neural Networks, Graphical Models and Image Restoration

11:00 – Coffee break

11:30 – Hamutal Slovin – Bar Ilan University, Israel
Encoding Local Stimulus Attributes and Higher Visual Functions in V1 of Behaving Monkeys

12:10 – Lunch break

13:20 – Daphna Shohami – Columbia University, USA
How Memory Guides Value-Based Decisions

14:10 – Yonatan Loewenstein – The Hebrew University of Jerusalem, Israel
Intertemporal Conflicts – From Past to Future

14:50 – Coffee break

15:20 – John Duncan – University of Cambridge, UK
Attentional Episodes and Cognitive Control

16:10 – Leon Deouell – The Hebrew University of Jerusalem, Israel
Visual Categorical Perception Beyond Onsets

16:50 – Coffee break

17:10 – Angela Friederici – Max Planck Institute for Cognitive and Neurosciences, Leipzig, Germany
The Neural Language Network: Structure and Function
Thursday, June 29th

9:30 – Wolfram Schultz – University of Cambridge, UK
Getting the Best Reward: Neuronal Mechanisms for Utility Maximisation

10:20 – Hagai Bergman – The Hebrew University of Jerusalem, Israel
The Subthalamic Nucleus and the Striatum – Driving Force vs. Fine Tuning of Downstream Basal-Ganglia Networks

11:00 – Coffee break

11:30 – Kathleen Cullen – Johns Hopkins University, USA
Neural Representations of Natural Self Motion: Implications for Perception & Action

12:10 – Lunch break

13:20 – Michael Long - New York University School of Medicine, USA
How Does the Brain Generate Behavioral Sequences?

14:10 – Ronen Segev - Ben Gurion University, Israel
What Can Fishes Teach Us About the Brain?

14:50 – Yossi Yovel – Tel Aviv University, Israel
From Sensory Perception to Foraging Decision Making - The Bat's Point Of View

15:30 – Coffee break

16:00 – Yaniv Ziv – Weizmann Institute of Science, Israel
Multiplexing information about where and when in hippocampal neural codes for long term memory

16:40 – Edvard Moser – Kavli Institute for Systems Neuroscience, Norway
Development and Organization of the Medial-Entorhinal Space Network

17:30 – Organizing Committee – Closing remarks