



## **Brainy Days in Jerusalem**

June 26-29, 2017

Mishkenot Sha'ananim, Jerusalem

### **Monday, June 26<sup>th</sup>**

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 27<sup>th</sup>**

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 28<sup>th</sup>

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 29<sup>th</sup>

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