



Annual Meeting 2016
Tel-Aviv University, Feb. 18

The Magnes prize lecture
By Prof. Arthur Konnerth

Program for the ISPP 2016 Meeting : Feb 18th, 2016 in Tel-Aviv University

- 08:15 - 09:00 Registration and coffee
- 09:00 - 10:20 *Morning Sessions 1*
- 10:20 - 10:40 Coffee break
- 10:40 - 12:00 *Morning Sessions 2*
- 12:00 - 13:00 Magnes Plenary Lecture
- 13:00 - 14:00 Lunch Break
- 14:00 - 14:15 In Memory of Prof. Haim Garty, Ira Lubarski
- 14:15 - 15:00 Students Presentations Session in Memory of Prof Haim Garty
- 15:00 - 15:30 Business meeting
- 15:00 - 16:00 Poster Session and Coffee break
- 16:00 - 17:40 *Afternoon Sessions*
- 17:40 Concluding Remarks and awarding the winners of poster and student lecture competitions

9:00-10:20 Morning Sessions 1

Session A: (Hall-B) auditorium 110

Chair: **Michal Horowitz** (HUJI) and **Yair Shapiro** (Ariel and Heller Inst Tel Hashomer) **"Environmental Physiology: From past to present"**

Dedicated in memory of Prof Shlomo Samueloff and Prof Ezra Sohar

09:00-09:20 **Yoram Epstein** (Sheba Medical Center) A Switch Of Concept About Water Discipline - The 1959 Eilat-Metula March

09:20-09:40 **Amir Hadid** (Sheba Medical Center) Modeling Mechanophysiology Of Overuse Injuries Related To Military Medicine

09:40-10:00 **Noam Meiri** (ARO) Epigenetic transgenerational mechanism underlying high fat diet

10:00-10:20 **Michal Horowitz** (HUJI) Heat acclimation memory: do the kinetics of the deacclimated transcriptome predispose to rapid reacclimation and cytoprotection?

Session B: (Hall- A) auditorium 003

Chair: **Yael Yaniv** (Technion) **"Cardiac Pacing Mechanisms"**

09:00-09:20 **Ofer Binah** (Technion) Fabricating biological pacemakers from human iPSC-derived cardiomyocytes.

09:20-09:40 **Yoram Etzion** (BGU) Atrial fibrillation begets atrial fibrillation - the rodent version

09:40-10:00 **Bernard Attali** (TAU) The SK4 Ca²⁺-activated K⁺ channel is a critical player in cardiac pacemaker

10:00-10:20 **Yael Yaniv** (Technion) Synchronization and Desynchronization of intrinsic clock-like mechanisms in pacemaker cells

10:40-12:00 Morning Sessions 2

Session C:(Hall-b) auditorium 110

Chair: **Noam Levaot** (BGU) "**Cellular, Molecular and Mechanical Aspects of Bone Biology**"

- 10:40-11:00 **Yankel Gabet** (TAU) Cannabidiol: break a leg and smoke pot
11:00-11:20 **Ron Shahar** (HUJI) The Enigma of Bone Without Osteocytes
11:20-11:40 **Noam Levaot** (BGU) A Novel GPCR Regulating Bone Anabolic Functions During Aging
11:40-12:00 **Zvi-Bar Shavit** (HUJI) Mechanisms of Toll-Like Receptors Modulation of Osteoclasts

Session D:(Hall-C) auditorium 106

Chair: **Mickey Kosloff** (Haifa Uni.) "**G-protein coupled signaling - structure and function**"

- 10:40-11:00 **Masha Niv** (HUJI) Bitter taste perception and GPCRs
11:00-11:20 **Liza Barki-Harrington** (University of Haifa) More than just receptors: downregulation of COX-2 by GPCR-based peptidic agonists
11:20-11:40 **Eitan Reuveny** (WIS) GIRK channels function from a single channel to animal behavior
11:40-12:00 **Mickey Kosloff** (University of Haifa) Deciphering and re-designing interaction specificity in G-protein signaling

Session E: (Hall-A) auditorium 003

Chair: **Alon Zaslaver** (HUJI) "**Plasticity in Neural Systems**"

- 10:40-11:00 **Gil Lefkowitz** (WIS) Linking genes, development and function of the zebrafish hypothalamus
11:00-11:20 **Ami Citri** (HUJI) A transcriptional code for experience-dependent plasticity
11:20-11:40 **Galit Ophir** (BIU) Encoding social experience within the fly nervous system
11:40-12:00 **Alon Zaslaver** (HUJI) Reactivating aversive memories induces rapid systemic stress

16:00-17:40 Afternoon Sessions

Session F: (Hall- A) auditorium 003

Chair: **Inna Slutzky** (TAU) **"Neurodegenerative disorders"**

- 16:00-16:20 **Michal Schwartz** (WIS) Immune cells shape the brain and the mind: Implications for ageing and neurodegenerative diseases
- 16:20-16:40 **Eran Perlson** (TAU) Location, Location, Location - Amyotrophic Lateral Sclerosis as a spatiotemporal mislocalization disease
- 16:40-17:00 **Josh Goldberg** (HUJI) Alpha-synuclein overexpression downregulates voltage activated calcium channels and reduces mitochondrial oxidant stress in vagal motoneurons
- 17:00-17:20 **Millet Trainin** (HUJI) Understanding the Functions of Nicotinic Acetylcholine Receptors in Nociceptors
- 17:20-17:40 **Hagai Bergman** (HUJI) Closed loop deep brain stimulation - a new spin in the treatment of basal ganglia degenerative diseases

Session G: (Hall-B) auditorium 110

Chair: **Yehuda Assaraf** (Technion) **"Targeted Personalized Cancer Therapeutics"**

- 16:00-16:20 **Ronit Satchi-Fainaro** (TAU) Elucidating the molecular basis of tumor dormancy using theranosticnanomedicines
- 16:20-16:40 **Avi Schroeder** (Technion) Personalized Cancer Nanomedicine
- 16:40-17:00 **Tomer Shlomi** (Technion) A quantitative approach for studying metabolic abnormality in cancer and identifying novel drug targets
- 17:00-17:20 **Yehuda G. Assaraf** (Technion) Lysosomal photodestruction: a novel Trojan horse approach to overcome cancer multidrug resistance
- 17:20-17:40 **Avi Priel** (HUJI) The activation mechanism(s) of TRPV1 by exogenous and endogenous stimuli

Notes: