January 4, 2016

9.15 Opening remarks Prof. Steven J.D.Karlish
9.20 Tribute to Haim by Prof. Daniel Zajfman, President of the Weizmann Institute

Session 1: “Hormonal and Genetic control of Sodium Transport in Epithelia”
9.30 Dr. Carol Asher (WI) Haim Garty’s Legacy: A Summary of Thirty Years Investigating the Regulation of Epithelial Ion Transport
10.00 Prof. Larry Palmer (New York, NY) Movements of Na channels in kidney cells: Wailing Wall or Trail of Tears?
10.30 Prof. Tom Kleyman (Philadelphia, Pa) Regulation of epithelial sodium channels by external cues
11.00 Coffee break
11.30 Prof. Nicolette Farman (Paris, France) Mineralocorticoid eects beyond renal sodium transport: retinal and skin homeostasia.
12.00 Prof. Zvi Farfel (TAU) Hypertension: insights from the rare monogenic form Familial Hyperkalemia and Hypertension (FHH).
12.30 Prof. Giuseppe Bianchi (Milano, Italy) Genetic abnormal function of the Na-K pump both as a cause of arterial hypertension and as a target for a personalized therapy.
13.00 Lunch

Session 2: “Regulation of active Na, K transport”
14.00 Prof. Kathleen Sweadner (Boston, Mass) Unanticipated roles of FXYD proteins
14.30 Dr. Ira Lubarski (WI) FXYDS mediated mechanism of lung metastasis in 4T1 breast cancer model.
15.00 Prof. Michael Shattock (St Thomas, London) Na/K ATPase and phospholemman in the heart
15.30 Coffee Break
16.00 Prof. Bente Vilsen (Aarhus, Denmark) Rescue of sodium affinity by secondary mutation
16.30 Prof. Hans Juergen Apell (Konstanz, Germany) Molecular mechanism of sodium transport by the Na,K-ATPase
17.00 Prof. David Lichtstein (HU) Involvement of Na+, K+-ATPase and endogenous cardiac steroids in bipolar disorder.
19.30 Meeting Dinner (by invitation) Address by Dr. Nira Garty, Prof. Michal Neeman and Prof. Steven J.D.Karlish

January 5, 2016

9.30 Prof. Baruch Kanner (HU) Molecular Mechanism of Sodium-Coupled Neurotransmitter Transport
10.00 Prof. Etana Padan (HU) Structural and Functional Dynamics of NhaA Na+/H+ antiporter
10.30 Prof. Israel Sekler (BGU) Mitochondrial Na+ and Ca2+ in Signaling Metabolism and Secretion and their breakdown in neurological disorders
11.00 Coffee break
11.30 Prof. Daniel Khananshvili (TAU) Structure-dynamic basis of ion transport and regulation in the sodium-calcium exchanger (NCX) proteins.
12.00 Prof. Jack H Kaplan (Chicago, Ill) The Sodium Pump: More or Less Complex?
12.30 Lunch

ORGANIZING COMMITTEE
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REGISTRATION