Sunday | January 5, 2020

8:30	Gathering and Coffee
	n 1 Beta cell function and Type-1 Diabetes Yehiel Zick
9:00	Shalev Itzkovitz Weizmann Institute of Science Transcriptional heterogeneity of beta cells in the Intact pancreas
9:30	Jun-Li Liu McGill University Controversial roles of short-chain fatty acids on pancreatic β-cell growth and insulin secretion
10:00	Coffee Break
10:30	Michael Walker I Weizmann Institute of Science Modulation of insulin secretion by GPR40/41
11:00	Constantin Polychronakos McGill University Precision diagnostics in childhood diabetes; therapeutic implications
	n 2 Mechanisms of Bone Remodeliong Simon Wing
11:30	Yaron Vinik Weizmann Institute of Science Role of animal Lectins in bone remodeling
12:00	Svetlana Komarova McGill University Extracellular ATP in bone adaptation to mechanical environment
12:30	Lunch
14:00	Ari Elson Weizmann Institute of Science Protein tyrosine phosphatases as regulators of bone-resorbing osteoclasts
14:30	Richard Kremer McGill University Parathyroid hormone related protein (PTHrP): an emerging target in cancer progression and metastasis
	n 3 Extracellular Matrix Proteins Rony Seger
15:00	Irit Sagi Weizmann Institute of Science Novel approaches for extracellular matrix targeting in disease treatment

15:30 Marc D. McKee | McGill University Beyond systemic renal phosphate wasting: local extracellular matrix regulation of mineralization in osteomalacic bone diseases Coffee Break 16:00 **Special Session-Short Talks by McGill Students** Chair: Yaron Vinik 16:30 Dan Buss | McGill University Nanoscale 3D structure of the mineralization front in bone and in the achilles tendon fibrocartilage enthesis in normal and Hyp mice, a model of X-linked hypophosphatemia Josephine Tauer | McGill University 16:45 Metabolic changes in a mouse model of severe osteogenesis imperfecta due to mutation in collagen type I 17:00 Kim Gauthier | McGill University Regulation of EGFR signaling in C. elegans by the LIN-2/7/10 complex 17:15 Lexy H. Zhong | McGill University High glucose induces GAPDH nuclear translocation in mesangial cells and requires thioredoxin-interacting protein (TXNIP): novel signaling pathway in diabetic nephropathy 17:30-22:00 Tel Aviv /Jaffa TOUR and DINNER for the Guests and their hosts

Monday | January 6, 2020

Wor	iday January 6, 2020	
08:30	Gathering and Coffee	
Session 4 Cell Signaling and Trafficking Chair: Michael Walker		
9:00	Sima Lev Weizmann Institute of Science Synthetic lethal combination therapy for TNBC uncovered a unique metabolic state	
9:30	George Fantus McGill University Targeting novel signaling pathways to prevent and treat diabetic kidney disease (DKD)	
10:00	Coffee Break	

10:30	Rony Seger Weizmann Institute of Science Beta-like Importins mediate the nuclear translocation of MAPKs
11:00	Christian Rocheleau McGill University Endosomal regulation of DAF-16 FOXO and insulin/IGF signaling
11:30	Valery Krizhanovsky Weizmann Institute of Science Novel signaling pathways regulating senescent cell viability
12:00	Lunch
Session 5 Protein Ubiquitination and Degradation Chair: Ami Navon	
13:30	Michal Sharon Weizmann Institute of Science Regulator of cullin-RING-ubiquitin ligases
14:00	Simon Wing McGill University Non-enzymatic functions of a deubiquitinating enzyme in metabolism
14:30	Yifat Merbl Weizmann Institute of Science Global views of proteasome-mediated degradation by mass spectrometr
15:00	Yehiel Zick Weizmann Institute of Science Concluding remarks and farewell

Organizing Committee

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