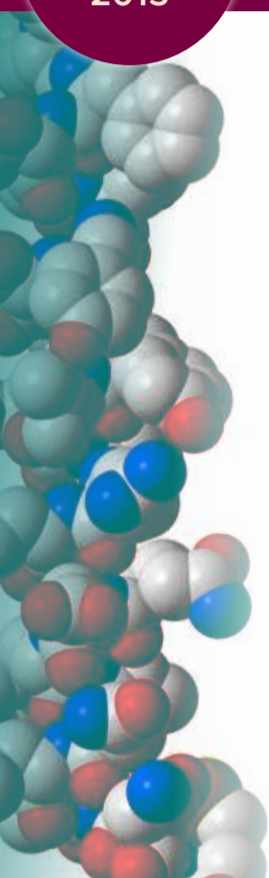




2<sup>nd</sup> Zavalkoff Symposium  
**Signaling Pathways  
 Regulating Metabolism  
 in Health and Disease**

13-14  
 December  
 2015

The David Lopatie Conference Centre  
 Weizmann Institute of Science



# Program

## Day 1 (Sunday, Dec 13, 2015)

8:30-9:00 **Welcome and Opening Remarks**

### Session 1: Autoimmunity and Type-1 Diabetes

9:00-9:30 **Yair Reisner**, Weizmann Institute of Science  
 Novel perforin positive regulatory DCs in metabolic syndrome and autoimmunity

9:30-10:00 **Constantin Polychronakos**, McGill University  
 Studies on autoantigen-specific T-cell lineages in type 1 diabetes

10:00-10:30 **Coffee break**

10:30-11:00 **Eli Lewis**, Ben Gurion University of the Negev  
 Protection from autoimmune Type-1 diabetes

### Session 2: Post Translational Modifications; Protein Ubiquitination and Degradation

11:00-11:30 **Michael H Glickman**, Technion  
 Extended ubiquitin species as protein-based DUB inhibitors

11:30-12:00 **Simon Wing**, McGill University  
 Role of Deubiquitylation in Metabolism

12:00-12:30 **Dan Levy**, Ben Gurion University of the Negev  
 How lysine methylation modulates epigenetics programs in human health

12:30-14:00 **Lunch**

## Session 3: Bone Remodeling and Metabolism

14:00-14:30 **Yehiel Zick**, Weizmann Institute of Science  
 Role of Animal Lectins in Bone Remodelling

14:30-15:00 **David Goltzman**, McGill University  
 In Vitro and In Vivo Studies of the Physiology and Pathophysiology of Bone (PTH)

15:00-15:30 **Tally Naveh-Many**, Hebrew University of Jerusalem  
 The role of PTH and FGF23 in bone parathyroid feedback loop

15:30-16:00 **Derek LeRoith**, Technion  
 Regulation of bone growth and density by IGF-1

16:00-16:30 **Coffee break**

## Day 2 (Monday, Dec 14, 2015)

08:30-09:00 **Gathering and Coffee**

### Session 4: Adiposity and Insulin Resistance

9:00-9:30 **Gil Leibowitz**, Hebrew University of Jerusalem  
 Autophagy in the beta-cell in obesity and diabetes

9:30-10:00 **Louise Larose**, McGill University  
 Identification of Novel Regulators of Adiposity

10:00-10:30 **Assaf Rudich**, Ben Gurion University of the Negev  
 Adiposity, Insulin Resistance and Diabetes

10:30-11:00 **Coffee break**

### Session 5: Cell Signaling and Trafficking

11:00-11:30 **Rony Seger**, Weizmann Institute of Science  
 GqPCR-induced inactivation of AKT is mediated by a PP2A switch

11:30-12:00 **Stéphane A. Laporte**, McGill University  
 Allosteric and biased regulation of signalling and trafficking of GPCR

12:00-12:30 **Marcelo Ehrlich**, Tel Aviv University  
 Mechanisms of regulation of the expression and trafficking of TGF-beta superfamily receptors

12:30-13:00 **Chris Rocheleau**, McGill University  
 Internalization and endosomal signaling: studies with insulin and EGF

13:00-13:15 **Concluding Remarks**

13:15-14:30 **Lunch and Farewell**

## Organizing Committee

**Stephan A. Laporte**  
 McGill University

**Barry I. Posner**  
 McGill University

**Assaf Rudich**  
 Ben Gurion University of the Negev

**Simon Wing**  
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