

Celebrating the 100th anniversary of the discovery of insulin

An online conference in English

26 May 2021

14:00 – 21:00 IL Time

Session 1: Historical perspective

14:00 – 15:00

Bernie Zinman, University of Toronto, Canada

The discovery of insulin in Toronto: a hundred-year journey of clinical achievement and research begins

Erol Cerasi, Hebrew University of Jerusalem, Israel

Hundred years to insulin, sixty years to me

Session 2: Islet biology

15:00 – 16:10

Klaus Kaestner, University of Pennsylvania, USA

TBA

Yuval Dor, Hebrew University of Jerusalem, Israel

A new mechanism for islet inflammation in diabetes

Shalev Itzkovitz, Weizmann Institute of Science, Israel

Imaging transcriptional heterogeneity in the intact pancreas

Session 3: Genetics and pathophysiology of diabetes

16:20 – 17:20

Andrew Hattersley, University of Exeter, UK

Learning about the role of insulin in fetal growth from human knockouts

Anath Shalev, University of Alabama, USA

TXNIP from bench to bedside

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Session 4: Insulin action

17:20 – 18:40

Gerald Shulman, Yale University, USA
Mechanisms of insulin action and insulin resistance in humans

Gokhan Hotamisligil, Harvard University, USA
Foundations of immunometabolism and implications for metabolic health and disease

Assaf Rudich, Ben-Gurion University, Israel
Cell-type molecular architecture of adipose tissue insulin action and resistance

Session 5: : Therapeutic approaches: technology/ cell replacement/ immunology

18:50 – 20:10

Doug Melton, Harvard University, USA
Using stem cells to produce pancreatic islets

Moshe Phillip, Schneider Children's Hospital, Israel
Implementation of new technologies for the care of insulin-treated people with diabetes

Jay Skyler, University of Miami, USA
Immune interventions for type 1 diabetes

Session 6: Panel discussion: gazing into the crystal ball

20:15 – 21:00

Shulamit Levenberg, Technion, Israel

Amir Tirosh, Sheba Medical Center, Israel

Additional speaker, to be named

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