

# ADA 2024 Playbook

## T1D Focus

Full coverage: <https://thesugarscience.org/heard-on-the-street-ada-2024/>



the**sugar**science

## Presentations

Sunday, June 23

## ADA 2024 T1D Playbook Sunday June 23 Presentations

8:00-9:30 **W304a-d** *Translating Type 1 Diabetes Risk Alleles to Therapy* chair: Suna Onengut-Gumuscu  
8:00-8:20 **IL2RA Variation Shapes Type 1 Diabetes Risk** Harikesh S. Wong  
8:20-8:40 **HLA as a Target, Not a Predictor** Aaron Michaels  
8:40-9:00 **Targeting TYK2 for Treatment of Type 1 Diabetes** Farooq Syed  
9:00-9:20 **Fixing FOXP3+ Cells in Type 1 Diabetes** Matthew Brown

8:00-9:30 **W311** *Noninsulin Treatment for Type 1 Diabetes-* Chair: Richard M. Bergenstal  
8:00-8:20 **Is There a Place for SGLT Inhibition in Type 1 Diabetes Mellitus?** Ele Ferrannini  
8:20-8:40 **Is There a Place for GLP - 1RA in Type 1 Diabetes Mellitus?** Michael A. Nauck  
8:40-9:00 **Is There a Place for MRA in Type 1 Diabetes Mellitus?** Hidido L. Heerspink  
9:00-9:20 **The Lived Experience** Wes Unger

8:00-9:00 **W413c** *Joint ADA/ISPAD Symposium—Pediatric Diabetes Insights and Innovations*  
Co-Chairs: Jamie R. Wood and Eda Cengiz  
8:00-8:20 **What Is New in Treatment of Preschool Children with T1D?** Carine de Beaufort  
8:20-8:40 **Inpatient Pediatric Diabetes Technology Use-** Erin C. Cobry  
8:40-9:00 **Innovations in Diabetes Education—App-Based Diabetes Technology Education and More...** Brynn E. Marks

### ePoster A

11:30-12:30 **Comparison of Semaglutide vs. Tirzepatide Therapy in Adults with T1D** Henon Gebre **736P**  
12:00-12:10 **Tirzepatide in Overweight (OW) and Obese (OB)Patients with T1D** Janet K. Snell-Bergeon **739P**

### ePosterB

11:30-11:40 **Nkx6.1 Binding Partner Mef2D Modulates Beta-Cell Insulin Secretion/Cell Survival** Jeff Tessum **1728P**  
11:40-11:50 **Hypertonicity Mediates Glucose-Induced First-Phase Insulin Secretion** Ian Sweet **1729P**  
11:50-12:50 **In Vitro /In Vivo Effects of Increased IAPP Expression on Human Islet Function** Jordan Wright **1730P**  
12:00-12:10 **Screening Human Islets to Identify Small Molecules Enhancing Glucagon Secretion** T. Bate **1731P**

1:30-3:00 **W307** *Continuous Glucose Monitoring—Can It Reduce Hypoglycemia Burden?* Chair: Ilias Spanakis  
1:30-1:45 **CGM Has a Specific Effect on the Reduction of Nocturnal Hypoglycemia in T1D on MDI** N. Hermanns  
1:45-2:00 **Longitudinal Assessment of Glycemia and Severe Hypoglycemia among Adults with T1D** J. Sherr  
2:00-2:15 **Health-Related QOL and Burden of T1D and Severe Hypoglycemia in Adult CGM Users** A. Boateng  
2:15-2:30 **The Impact of Glucose Threshold on the Number and Duration of Glucose Episodes** V. Koutroukas  
2:30-2:45 **Characterization of Behavioral Patterns Involving Hypoglycemic Episodes in T1D** J. Garcia-Tirado  
2:45-3:00 **Assn of T1D Duration or Duration of Advanced Technology Utilization with Severe Hypo** P.Callahan

1:30-3:00 **W314** *Multifaceted Insights into Behavioral and Psychosocial Care for Youth and Families*  
1:30-1:45 **Proof of Concept That a Behavioral Economics Intervention Can Increase Mealtime Insulin** S Patton  
2:00-2:15 **Exploring Incorporation of T1D into Identity and Perceptions of Diabetes Tech in AYAs** PCommissariat  
2:15-3:00 **Sleep Disturbance and Diabetes Symptom Burden in Young Adults with T1D** S. Griggs  
3:00-3:15 **The Relationship between Daytime Child Glycemic Levels and Parent Fear of Hypo** A. Monzon  
3:15-3:30 **Understanding Parent and Youth Diabetes Device Satisfaction** J. Wong

2:30-2:45 **W415c** **Understanding Patterns of GLP-1/GLP-1 RA Use among Individuals with T1D** Yogish C. Kudva

(Cont. next page)

- 1:30-2:45 **W315** *New Technology—AID Focus Chair: Elena Toschi*
- 1:30-1:45 **Periop Fully Closed-Loop vs. Standard Insulin Delivery in Adults Undergoing Major Abdominal Surgery** G. Krutkyte
- 1:45-2:00 **Glucose Control in Free-Life under Hybrid Closed-Loop 6 and 12 Months after Initiation** J. Riveline
- 2:00-2:15 **Real-World Outcomes with the Omnipod 5 for >7,500 Users with High HbA1c** G. Forlenza
- 2:30-2:45 **Effect of 48 Months of Closed-Loop Insulin Delivery on Residual C-Peptide Secretion and Glycemic Control in Newly diagnosed Youth with T1D** J. Ware
- 3:45-4:00 **W207 Task-Induced Alterations in the Saliency Network amongst Patients with T1D** Elizabeth Sanchez Rangel
- 4:00-4:15 **W207 Interoception Predicts Impaired Awareness of Hypoglycemia in Adults with T1D** Austin Matus
- 3:15-4:15 **W314 Clinical Contributions in Type 1 Diabetes and Exercise Chair: Jane E. Yardley**  
Presenters: Capucine Guédet, Lauren V. Turner, Kristina Abramoff, Valerie Boudreau
- 3:15-4:15 **W315 New Insights and Treatments in Management of Youth with T1D Chair: Laura M. Nally**
- 3:15-3:30 **Dynamics of Treatment Regimens and Glycemic Outcomes in >100,000 Children** A. Zimmerman
- 3:30-3:45 **Narrow Variation of Glucose Inflection Points during Progression to T1D** Heba M. Ismail
- 3:45-4:00 **Clinical and Immunologic Features Differ in Children at T1D Onset by Ethnicity** Kagan Karakus
- 4:00-4:15 **Multomic Profiling of Extended Honeymoon Unveils New Therapeutic Targets** Cristian Loretelli
- 3:15-4:15 **W304a-d Preclinical/Clinical Efforts for Beta-Cell Replacement Therapy Chair: David M. Harlan**
- 3:15-3:30 **Hypoimmune Islet Cells Mediate Insulin Independence after Allogeneic Transplantation** S. Schrepfer
- 3:30-3:45 **Allogeneic Neo-Islets Reduce Insulin Need by up to 1.2 U/kg in T1D Dogs over Three Years** Anna Gooch
- 3:45-4:00 **Preliminary Results of Islet Survival in a Novel Biovascular Pancreas Implanted in Primates** Mehmet H. Kural
- 4:00-4:15 **Females Undergoing Islet Transplantation with CNI-Based Immunosuppression May Be at Higher Risk of Renal Function Decline** Alice Carr
- 4:30-6:00 **W414 Long-Term Goals and Challenges for Beta-Cell Replacement Therapy Chair: Edward Phelps**
- 4:30-4:50 **Sites for Delivery** Melanie L. Graham
- 4:50-5:10 **Porcine/Xeno Approaches** David K.C. Cooper
- 5:10-5:30 **Induction of Long-Term Tolerance** Norma Sue Kenyon
- 5:30-5:50 **Role for Basic Science/Animal Models** Eckhard Wolf
- 4:30-6:00 **W206 Beta-Cell Blueprints—Oral Abstracts on Islet Development and Postnatal Growth Chair: Ronadip R. Banerjee**
- 4:30-4:45 **Reduction of RNA-Editing Enzyme ADAR1 in Human Islets Triggers an Interferon Response and Impairs Beta-Cell Function** Chunhua Dai
- 4:45-5:00 **Parturition Event Regulates Endocrine Genesis during Pancreas Differentiation** Agha Suzuki
- 5:00-5:15 **Role of Mef2a in Beta-Cell Differentiation and Function during ER Stress** Rohit B. Sharma
- 5:15-5:30 **Selective Loss of the Spliced Form of Xbp1 Causes Early-Onset Diabetes in Male but Not Female Mice**  
Yingfeng Deng
- 5:30-5:45 **Chd3 Helicase Modulates Pancreatic  $\beta$ -Cell Function in Absence of Chd4** Sukrati Kanojia
- 5:45-6:00 **The Role of Clc-Like Chloride Channel 1 in the Pancreatic Beta Cell** Yaohuan Zhang