

# ADA 2024 Playbook

## T1D Focus

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



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## Presentations

### Saturday, June 22

## ADA T1D Playbook: Saturday June 22 Presentations

- 8:00-9:30 **W315** *Navigating the Early Phases of Pediatric Type 1 Diabetes -Stephen Gitleman chair*  
8:00-8:20 **Patient perspective-** Amanda Twigg  
8:20-8:40 **Pediatric Type 1 Screening Programs-** Anette-Gabriele Ziegler  
8:40-9:00 **CGM and Early Stage T1D-** Andrea Steck  
9:00-9:20 **The Economics of Early Stage Detection and Treatment-** R. Brett McQueen
- 8:00-8:20 **W207** **Type 1 Diabetes Multiancestry Genome-Wide Association Study-** Stephen S. Rich
- 8:00-9:30 **W414** *Clinical Beta-Cell Replacement Therapy in the Near Future- Mellina Bellin chair*  
8:00-8:20 **How to Design the Optimal Beta- Cell Surrogate-** Cristina Nostro  
8:20-8:40 **Materials to Prevent Immune Rejection-** Alice A. Tomei  
8:40-9:00 **Islet Vascularization-** Appakalai N. Balamurugan  
9:00-9:20 **Integration of Tools for Monitoring Therapeutic Success-** Katy Digovich
- 8:00-9:30 **W320** *Results of the INHALE-3 Randomized Trial- Roy Beck chair*  
8:00-8:10 **Inhaled Insulin's History and Study Rationale-** Halis K. Akturk  
8:10-8:20 **Study Methods and Participant Baseline Characteristics -**Yogish C. Kudva  
8:20-8:50 **Study Results-** Ruth Weinstock, Carol Levy & Grazia Aleppo  
8:50-9:00 **Critique of study design and results-** Irl Hirsch  
9:00-9:10 **Use of Inhaled insulin in clinical practice-** Thomas Blevins
- 8:35-8:50 **W311** **Adaptation and Tailoring of a T1D Diabetes Education and Support (T1DES) Intervention to Improve Diabetes Distress among Black Young Adults-** Teaniese L. Davis
- 11:30-12:30 **W207** *Perspectives on Universal Antibody Screening* Co-Chairs: Stuart A. Weinzimer, MD and Persis V. Commissariat  
11:30-11:35 **Introduction**  
11:35-11:55 **Universal Antibody Screening- Pediatric Perspective-** Desmond Schatz  
11:55-12:15 **Universal Antibody Screening- Behavioral Medicine Perspective-** Suzanne B. Johnson
- 11:30-12:30 **W311** *Discussion on Islet Biology, Development, and Function—Right on Target—Strategies to Selectively Regenerate and Protect Beta Cells* Chair- Jeffrey Tessum  
11:30-11:35 **Introduction**  
11:35-11:50 **Islet Cell Targeting Using a ZnT8 Ab for Beta-Cell Mass Imaging and Regeneration-** Dax Fu  
11:50-12:05 **Nanoparticle Targeting of the Beta Cell-** Nikki Farnsworth  
12:05-12:20 **Zinc Targeting of the Beta Cell-** Weng-Hong Li
- 11:40-11:50 **ePosterB** **Cardiovascular Complications and Mortality in Youth-Onset Type 1 and Type 2 Diabetes Based on National Health Insurance Service Data-** Sungeun Kim **1366-P**
- 11:50-12:00 **ePosterA** **Dissecting Adiponectin Receptor Expression in Renal Vasculature and Its Correlation with Insulin Sensitivity in Type 1 Diabetes-** Kalie Tommerdahl **398-P**
- 12:10-12:30 **ePosterA** **Blood Pressure Trajectories and 32-Year Cardiovascular Disease Incidence in Women and Men with T1D**  
Rachel G. Miller **1437-P**
- 1:00-1:10 **ePosterB** **Effect of Metformin on Gut Microbial Metabolites in Overweight and Obese Youth with T1D**  
Elizabeth R. Flammer **1164-P**
- 1:10-1:20 **ePosterB** **Untangling the Interactions of Glycemic Control and Obesity on Hypothalamic Gliosis in Youth with T1D**  
Alyssa Huang **1165-P**

(continued next page)

## ADA T1D Playbook: Saturday June 22 Presentations (pg.2)

- 1:30-2:45 **W304a-d** *The “Barrier Reef”—Overcoming Hurdles to Beta-Cell Replacement Therapies* Clayton Mathews, chair  
1:30-1:45 **Overcoming Islet Scarcity through In Vitro Differentiation of Human Pluripotent Stem Cells** J. Millman  
1:45-2:00 **Characterization of Regenerative Adult Islet Progenitor Cells from Human Pancreatic Tissue** J. Kuncha  
2:00-2:15 **Effect of PD-L1 Overexpression on Autoreactive T-Cell Responses toward SC-Derived Beta Cells** J. Barra  
2:15-2:30 **Sequential Islet Transplants for T1D Do Not Cumulatively Increase Hepatic Portal Venous Pressure** A. Carr  
2:30-2:45 **Immunoprivileged Hydrogels Recover Normoglycemia for Extended Duration in Immunocompetent Diabetic Animals** H. Stover
- 1:30-3:00 **W415B** *Channeling Mechanisms Underlying Islet Function and Dysfunction* Show-Ling Shyng chair  
1:30-2:00 **Impact of Intracellular Calcium Flux on Beta-Cell Insulin Secretion-** Marjan Slak Rupnik  
2:00-2:30 **TALK -1 Channel Modulation of Islet Hormone Secretion and Glucose Homeostasis-** David Jacobson  
2:30-3:00 **Impacts of Swell Channels on Insulin Secretion-** Rajan Sah
- 1:30-3:00 **W208** *Hypoglycemia in the Real World—Who’s Really at Risk?* Michael Bancks chair  
1:45-2:00 **Level 3 Hypoglycemia in Diabetes—An Age-Old but Not (Just) Old-Age Problem-** Alexandria Ratzi-Leewing  
2:00-2:15 **Association between Clustering of Hypoglycemic Symptoms, Psychological Traits and Problem-Solving Abilities in Adults with T1D-** Naoki Sakane  
2:15-2:30 **Time Below Range and Its Link to Impaired Awareness of Hypoglycemia and Severe Hypoglycemia – Evidence from the Association of British Clinical Diabetologists (ABCD) Study** - Harshal Deshmukh  
2:30-2:45 **Assessing Hypoglycemia Awareness—Validating HypoA-Q within the T1D Exchange Registry** Yu Kei Lin  
2:45-3:00 **Assessing the Impact of Hypoglycemia among People with Diabetes in the U.S. and EU** Alan Beltran
- 1:30-1:45 **W308** **Glycemic Markers Are Differentially Associated with Cardiovascular Imaging and Outcomes in Long-Duration T1D** Marc Gregory Yu
- 2:45-3:00 **W308** **The Role of Optical Coherent Tomography in the Estimation of Cardiovascular Risk in Asymptomatic Patients with T1D** Michal Dubsky
- 2:45-3:00 **W315** **Algorithmic Identification May Improve Racial and Ethnic Diversity of Clinical Study Recruitment** Sara Jane Cromer
- 2:10-2:20 **ePoster B** **Overnight Glycemia’s Relevance to Insulin Resistance in T1D** Kristen J. Nadeau **1958-LB**
- 2:20-2:30 **ePosterB** **Prevalence, Risk Factors, and Clinical Characteristics of NAFLD in Individuals with T1D** Weiwei Jiang **1995-LB**
- 3:15-4:15 **W415b** **How I Feel Matters, Too—The Psychosocial Aspects of Automated Insulin Delivery** William Polonsky chair  
Speakers: Jill Weissberg-Benchell, Marisa E. Hilliard
- 3:15-4:45 **W314** **Hyperglycemic Crises in Diabetes** Co-Chairs: Nuha El Sayed and Guillermo Umpierrez  
Speakers: Georgia Davis, Ketan Dhatariya, Rodolfo J. Galindo, David C. Klonoff
- 3:15-4:15 **W311** **International Consensus Statement and Movement to End Diabetes Stigma** Chair: Jane Speight  
Speakers: Matthew Garza, Mary de Groot, Susan Guzman

