

ADA 2024 Playbook

T1D Focus

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



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Presentations

Monday, June 24

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- 8:00-9:30 **W304a-d** *Cross Talk between Beta Cells and Immune Cells* chair: Laura Jacobsen
8:00-8:20 **Mining Spatial Transcriptomics for Beta-Cell —Immune-Cell Cross Talk** Miguel Medina-Serpas
8:20-8:40 **Profiling Islet —Immune Cell Interactions in the Human Pancreas** Klaus H. Kaestner
8:40-9:00 **Imaging Beta-Cell —Immune- Cell Interactions** Dirk Homann
9:00-9:20 **What Do Immune Cells See in the Pancreas?** Eddie James
- 8:00-9:30 **W320** *Consensus Monitoring Guidance in Early-Stage Type 1 Diabetes Chairs: Chantal Mathieu and A. AlbaneseONEill*
8:00-8:10 **Why Do We Need Monitoring Guidance?** Moshe Phillip
8:10-8:20 **Coming to Consensus** Linda DiMeglio
8:20-8:35 **Overview of Pediatric Advice** Kurt J. Griffin
8:35-8:50 **Overview of Adult Advice** Rifka C. Schulman-Rosenbaum
8:50-9:10 **Psychosocial and Educational Considerations** Brigitte Frohnert
9:10-9:20 **Next Steps and Real-World Applications** Sanjoy Dutta
- 8:30-8:45 **W314** **Association between CGM and Diabetes-Related Complications in Children with T1D** Ji Yoon Kim
- 11:30-12:30 **W206** *Discussion on Immunology/Beta-Cell Replacement—Beta-Cell Stressors, Autoantigen Targets, and How This Provokes Immune Attack* Chair: Meaghan Stumpf
11:35-11:50 **Dissecting the Autoimmune T -C ell Repertoires in Type 1 Diabetes** Alok Joglekar
1:50-12:05 **Beta-Cell Adaptive Stress Response and Immune System Cross Talk in Diabetes** Amelia K. Linnemann
2:05-12:20 **Stress-Induced Pathways in Beta Cells Increase Immune Perception of Pancreatic Islets** Aisha Callebut
- ePosterB**
- 12:40-12:50 **A 3D Analysis of CD8+ Leukocytic Infiltration in Human Endocrine and Exocrine Pancreas at T1D Onset**
Alexandra Rippla
- 1:00-1:10 **LB Novel Human Islet Spheroid Models of Type 1 Diabetes** Burcak Yesildag
1:10-1:20 **An Adult Clock Component Links Circadian Rhythms to Pancreatic β -Cell Maturation** Juan R. Alvarez
- 1:30-3:00 **W207** *Demystifying Impaired Awareness of Hypoglycemia—Diagnosis, Experience, and Treatment in the Real World*
Chair: Alexandria Ratzki-Leewing
1:30-2:00 **Impaired Awareness of Hypoglycemia— Screening and Diagnosis in Clinical Practice** Scott J. Pilla
2:00-2:30 **Evidence-Based Interventions to Restore Awareness of Hypoglycemia** Jeremy Pettus
3:00-3:30 **Living with Impaired Awareness of Hypoglycemia What People Living with Diabetes Wish You Knew**
Eva Kathmann
- 1:30-2:00 **W314** **How Is Precision Medicine Changing the Paradigm in Type 1 Diabetes?** Chantal Mathieu
- 1:30-3:00 **W320** *The Heterogeneity of T1D—Pathogenesis, Treatment, and Prevention*
Co-Chairs: Hindrik Mulder and David A. D'Alessio
1:30-1:45 **Beta-Cell Pathology in Type 1 Diabetes—Immune, Inflammatory, Functional** TBA
1:45-2:00 **Insulin Replacement in Type 1 Diabetes— Needles, Pumps, and Islets** TBA
2:00-2:15 **The Emerging Spectrum of Strategies to Prevent Type 1 Diabetes** TBA
- 1:30-3:00 **W414** *Modulating Cytokines—Mechanisms Underlying Type 1 Diabetes Treatment* Chair: Cate Speake
1:30-1:55 **How Does Baricitinib Block Type 1 Diabetes Progression?** Michaela Waibel
1:55-2:20 **How Does IL -2 Treatment Prevent Type 1 Diabetes Progression?** Ricardo Ferreira
2:20-2:45 **How Does Ustekinumab Prevent Type 1 Diabetes Progression?** Stephanie Hanna

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- 1:30-3:00 **W206** *Are We Using the Right Tools to Establish Causality in Islet Function and Dysfunction?* Alejandro Caicedo
 1:30-1:45 **Transgenic Mouse Models Can Be Used to Study In Vivo Beta-Cell Biology** Jennifer L. Estall
 1:45-2:00 **Of Mice and Mankind —Why Human Samples are Necessary to Advance Understanding of Pancreatic Islet (Patho)Physiology** Katie C. Coate
 2:00-2:15 **Large Omics Data Sets Allow for Key Insights into Beta-Cell Biology** Kyle J. Gaulton
 2:15-2:30 **A New Open Resource for the Islet Community— Towards Causality by Connecting -Omics and Function** Patrick MacDonald
 2:30-2:45 **New Models Are Needed for Optimal Testing of Beta-Cell Biology** Rayner Rodriguez Diaz
- 2:30-2:50 **W315 Screening for Type 1 Diabetes—From Evidence** Laura M. Jacobsen
- 2:30-3:00 **W308 Exercise and Skeletal Muscle Mitochondrial Adaptations in Type 1 Diabetes** Dean Minnock
- 3:15-4:15 **W315 Improving Culture of Quality in Pediatric Centers—Lessons from the T1D Exchange Quality Improvement Collaborative** Chair: Eda Gengiz Speakers: Anna Cymbaluk, Trevon Wright, Mark A. Clements
- 3:15-4:15 **W414 Use of SGLT2i in Youth with Type 1 Diabetes—Results from ATTEMPT**
 Chair: Peter Senior Speakers: Petter Bjornstad, Farid H. Mahmud, Samantha Anthony, Jennifer L. Sherr
- 3:15-4:30 **W304a-d Do Immune or Beta Cells Drive Transition from Stage 1 to Stage 3 Type 1 Diabetes?**
 Chair: Alberto Pugliese Speakers: Jamie Felton and Edward Phelps
- 3:15-4:30 **W307 The Future of Diabetes Care as Cell Replacement or Regeneration Therapies**
 Chair: Mark Atkinson Speakers: Matthias Hebrok and Andrew F. Stewart