

**Network for  
Pancreatic  
Organ donors with  
Diabetes**

**12<sup>TH</sup> ANNUAL  
MEETING**

FEBRUARY 23 - 26, 2020  
TAMPA, FL •

**RENAISSANCE TAMPA INTERNATIONAL PLAZA HOTEL**  
*4200 Jim Walter Blvd, Tampa, FL 33607*

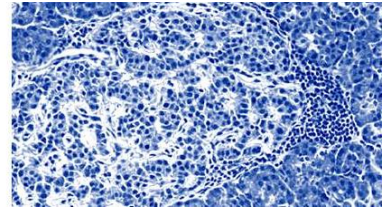
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Sunday, February 23, 2020			
Time	Function	Location	
10:00 AM – 6:45 PM	<b>REGISTRATION</b>	Costa Del Sol Ballroom Foyer 1 <sup>st</sup> Floor	
12:30 PM – 12:45 PM	<b>Opening Remarks:</b> <b>Mark Atkinson</b> <b>The University of Florida</b> <b>nPOD Executive Director</b>	Costa Del Sol Ballroom – Salons A-E	
12:45 PM – 2:15 PM	<b>Cutting Edge Seminars I:</b> <b>The Endocrine and Exocrine Pancreas in T1D</b> Chairs: Alvin Powers and Andrew Stewart	Costa Del Sol Ballroom – Salons A-E	
	12:45 PM – 1:15 PM		<b>Susan Bonner-Weir</b> <b>Joslin Diabetes Center and Harvard University</b> <i>Residual Beta Cells in the T1D Pancreas</i>
	1:15 PM – 1:45 PM		<b>Martha Campbell-Thompson</b> <b>University of Florida</b> <i>Exocrine Pancreas Alterations in the Pathogenesis of T1D</i>
	1:45 PM – 2:15 PM		<b>Michael Rickels</b> <b>University of Pennsylvania Perelman School of Medicine</b> <i>Physiology of Residual C-Peptide Production in Type 1 Diabetes</i>
2:15 PM – 2:45 PM	<b>Discussion Session I:</b> <b>The Endocrine and Exocrine Pancreas in T1D</b> Led by: Alvin Powers and Andrew Stewart	Costa Del Sol Ballroom – Salons A-E	
2:45 PM – 3:00 PM	<b>BREAK</b>		

	<b>Talk/Oral Abstracts I: Immune Aspects of T1D</b> Chairs: Nora Sarvetnick and Maki Nakayama		
	3:00 PM – 3:30 PM	<b>State of the Art Talk</b> <b>Jenny Jiang</b> <b>The University of Texas at Austin</b> <i>Tetramer-Based TCR-Seq-HD in T1D</i>	
	3:30 PM – 3:45 PM	<b>Mehdi Benkahla</b> <b>La Jolla Institute for Immunology</b> <i>Elevated Levels of Surface and Intracellular Expression of MHC Class I on Beta and Alpha Cells Precedes Immune Infiltration in Antibody Positive Organ Donors</i>	
3:00 PM – 4:45 PM	3:45 PM – 4:00 PM	<b>Roberto Mallone</b> <b>University of Paris and Cochin Hospital</b> <i>CD8+ T-Cell Recognition of Post-Translationally Modified Antigens: A Case Study with Citrullinated GRP78</i>	Costa Del Sol Ballroom – Salons A-E
	4:00 PM – 4:15 PM	<b>Mark Mamula</b> <b>Yale University School of Medicine</b> <i>Protein Modifications that Alter both Autoimmunity and Beta Cell Metabolism</i>	
	4:15 PM – 4:30 PM	<b>Nato Teteloshvili</b> <b>Columbia University Medical Center</b> <i>A role for Deaf1 in the regulation of cytotoxic/NK genes in Type 1 diabetes?</i>	
	4:30 PM – 4:45 PM	<b>Rizwan Ahmed</b> <b>Johns Hopkins University School of Medicine</b> <i>Role of X cell-Secreted mAb (x-mAb) in the Pathogenesis of T1D</i>	
4:45 PM – 5:00 PM	<b>BREAK</b>		----
5:00 PM – 6:00 PM	<b>RECEPTION (hors d'oeuvres provided)</b>		Costa Del Sol Ballroom Foyer 1 <sup>st</sup> Floor

<p>6:00 PM – 7:00 PM</p>	<p style="text-align: center;"><b>Keynote Speech:</b> <b>J. Glenn Morris, JR.</b> <b>University of Florida</b> <i>Emerging Pathogens: Coronavirus, Influenza, and Other Things That Go Bump in the Night</i></p>	<p>Costa Del Sol Ballroom – Salons A-E</p>
<p>7:00 PM</p>	<p style="text-align: center;"><b>DINNER (on your own)</b></p>	<p style="text-align: center;">----</p>

## Monday, February 24, 2020

Time	Function	Location	
7:00 AM – 4:30 PM	<b>REGISTRATION</b>	Ballroom Foyer	
7:30 AM – 8:30 AM	<b>BREAKFAST</b>	La Fuente Courtyard	
8:30 AM – 10:30 AM	<b>Cutting Edge Seminar II: Type 1 Diabetes Natural History</b> Chairs: Carmella Evans-Molina and Jay Sosenko	Costa Del Sol Ballroom – Salons A-E	
	8:30 AM – 9:00 AM		<b>Desmond Schatz</b> <b>University of Florida</b> <i>Getting the Right Diagnosis in nPOD: Is Death The Key to Unlocking the Secrets of Type 1 Diabetes?</i>
	9:00 AM – 9:30 AM		<b>Jeffrey Krischer</b> <b>University of South Florida</b> <i>Insights into T1D Progression from the TEDDY Cohort</i>
	9:30 AM – 10:00 AM		<b>Kathleen Gillespie</b> <b>University of Bristol Medical School</b> <i>Slow Progression to T1D</i>
	10:00 AM – 10:30 AM		<b>Eric Triplett</b> <b>University of Florida Diabetes Institute</b> <i>Genetic Risk for Autoimmunity is Associated with Distinct Changes in the Human Gut Microbiome</i>
10:30 AM – 10:45 AM	<b>Discussion Session II: Type 1 Diabetes Natural History</b> Led by: Carmella Evans-Molina and Jay Sosenko	Costa Del Sol Ballroom – Salons A-E	
10:45 AM – 11:00 AM	<b>BREAK</b>		

11:00 AM – 12:00 PM	<p align="center"><b>nPOD Autoimmunity Working Group Burning Questions (BBQ) Discussion: Immune Cell-Islet Cell interactions in T1D</b> Chairs: Sally Kent and Kevan Herold</p>		Costa Del Sol Ballroom – Salons A-E
	11:00 AM – 11:20 AM	<p align="center"><b>Johnna Wesley Novo Nordisk</b> <i>A Novel Assay Platform to Study T cells-Islet Cells Interactions in T1D</i></p>	
	11:20 AM – 12:00 PM	<p align="center"><i>BBQ Discussion: Immune Cell-Islet Cell Interactions in T1D</i></p> <p align="center"><b>Discussants: Sally Kent, Kevan Herold, Johnna Wesley, Bart Roep, Clayton Mathews, Matthias von Herrath, Maki Nakayama</b></p>	
12:00 PM – 1:00 PM	<b>LUNCH</b>		La Fuente Courtyard
1:00 PM – 2:30 PM	<p align="center"><b>Cutting Edge Seminar III: T1D Biomarkers and Prediction Strategies</b> Chairs: Maria Craig and Mark Mamula</p>		Costa Del Sol Ballroom – Salons A-E
	1:00 PM – 1:30 PM	<p align="center"><b>Raghavendra Mirmira</b> <b>The University of Chicago School of Medicine</b> <i>RNA Exosome Content from Insulin-Producing <math>\beta</math> Cells Incorporates Stress Granule Components and May Serve as Circulating Biomarkers of <math>\beta</math> Cell Stress in Type 1 Diabetes</i></p>	
	1:30 PM – 2:00 PM	<p align="center"><b>Nora Sarvetnick</b> <b>University of Nebraska Medical Center</b> <i>CMV Biomarkers for Prediction of Progression to T1D</i></p>	
	2:00 PM – 2:30 PM	<p align="center"><b>Max Pietropaolo</b> <b>Baylor College of Medicine</b> <i>Continuous Glucose Monitoring in Prediabetes</i></p>	

2:30 PM – 3:00 PM	<p align="center"><b>Discussion Session III: T1D Biomarkers and Prediction Strategies</b> Led by: Maria Craig and Mark Mamula</p>		Costa Del Sol Ballroom – Salons A-E
3:00 PM – 3:15 PM	<p align="center"><b>BREAK</b></p>		----
3:15 PM – 4:30 PM	<p align="center"><b>Oral Abstracts II: <math>\beta</math> Cell Biology and Endocrine Function</b> Chairs: Susan Bonner-Weir and Ed Phelps</p>		Costa Del Sol Ballroom – Salons A-E
	3:15 PM – 3:30 PM	<p align="center"><b>Adolfo Garcia-Ocana</b> <b>Icahn School of Medicine at Mount Sinai</b> <i>Subacute and Chronic In Vivo Administration of a Harmine-Exenatide Combination Enhances Glycemic Control and Markedly Expands Human Beta Cell Mass In Vivo</i></p>	
	3:30 PM – 3:45 PM	<p align="center"><b>Charanya Muralidharan</b> <b>Indiana University School of Medicine</b> <i>Beta Cell Autophagy Is Reduced in Type 1 Diabetes</i></p>	
	3:45 PM – 4:00 PM	<p align="center"><b>Nicolai Doliba</b> <b>University of Pennsylvania Perelman School of Medicine</b> <i>Early Alpha Cell Dysfunction During the Development of Type 1 Diabetes</i></p>	
	4:00 PM – 4:15 PM	<p align="center"><b>Helmut Hiller</b> <b>University of Florida</b> <i>Normal Cellular Prion Protein is Highly Expressed in Beta Cells of Type 1 Diabetes Human Pancreata</i></p>	
	4:15 PM – 4:30 PM	<p align="center"><b>Meirigeng Qi</b> <b>City of Hope</b> <i>Chronic Marijuana Use Affects Human Islet Feature and Function</i></p>	

4:30 PM – 5:00 PM	<p align="center"><b>Special Session:</b> Chairs: Jessica Dunne and Marc Horwitz <b>Bart Roep</b> <b>City of Hope</b> <i>Immune Correlates of Successful Fecal Microbiome Transplantation in T1D</i></p>		Costa Del Sol Ballroom – Salons A-E
5:00 PM – 6:00 PM	<b>FREE TIME / NETWORKING</b>		----
6:00 PM – 10:00 PM	<b>nPOD Night</b>		
	6:00 PM – 7:00 PM	<p align="center"><b>George Eisenbarth Memorial Lecture:</b> <b>Kevan Herold Yale School of Medicine</b> <i>Prevention, Delay and Treatment of Autoimmune Diabetes</i></p>	Costa Del Sol Ballroom – Salons A-E
	7:00 PM – 10:00 PM	<b>DINNER &amp; AWARDS CEREMONY</b>	La Fuente Courtyard



## Tuesday, February 25, 2020

Time	Function		Location
7:30 AM – 8:30 AM	<b>BREAKFAST</b>		La Fuente Courtyard
8:30 AM – 10:00 AM	<b>Cutting Edge Seminar IV: Immune and Environmental Interactions in T1D</b> Chairs: Malin Flodström-Tullberg and Sarah Richardson		Costa Del Sol Ballroom – Salons A-E
	8:30 AM – 9:00 AM	<b>Dirk Homann</b> <b>Icahn School of Medicine at Mount Sinai</b> <i>Towards an Exposure Map of the Human Pancreas</i>	
	9:00 AM – 9:30 AM	<b>Agnès Lehuen</b> <b>Institut Cochin</b> <i>Crosstalk between MAIT Cells and the Gut Microbiota in Early Development of T1D in Children</i>	
	9:30 AM – 10:00 AM	<b>Hervè Perron</b> <b>Geneuro</b> <i>A role for Human Endogenous Retroviral elements (HERVs) in T1D and implications for therapy</i>	
10:00 AM – 10:30 AM	<b>Discussion Session IV: Immune and Environmental interactions in T1D</b> Led by: Malin Flodström-Tullberg and Sarah Richardson		Costa Del Sol Ballroom – Salons A-E
10:30 AM – 10:45 AM	<b>BREAK</b>		----
10:45 AM – 11:45 AM	<b>nPOD Pancreas Slice Session</b> Chairs: Alberto Pugliese and Stephan Speier		Costa Del Sol Ballroom – Salons A-E
	10:45 AM – 11:00 AM	<b>Alberto Pugliese</b> <b>University of Miami</b> <i>The nPOD Pancreas Slice Program: Update and plans moving forward</i>	

	11:00 AM – 11:15 AM	<b>Denise Drotar</b> <b>Paul Langerhans Institute Dresden</b> <i>Human pancreas tissue slices for the study of alpha cell physiology in type 1 diabetes pathogenesis</i>	Costa Del Sol Ballroom – Salons A-E
	11:15 AM – 11:30 AM	<b>Sirlene Cechin</b> <b>University of Miami</b> <i>miRNA Signatures in Human Pancreatic Slices during Glucose Stimulation</i>	
	11:30 AM – 11:45 AM	<b>Mollie Huber</b> <b>University of Florida</b> <i>Investigating type 1 diabetes pathogenesis with the live pancreas tissue slice platform</i>	
	<b>Oral Abstracts III: Pathogenesis</b> Chairs: Noel Morgan and Teresa Rodriguez-Calvo		
11:45 AM – 12:30 PM	11:45 AM – 12:00 PM	<b>Alexandra Alvarsson</b> <b>Icahn School of Medicine at Mount Sinai</b> <i>3D Visualization of the Dynamic and Regional Variation of Pancreatic Innervation in Diabetes</i>	Costa Del Sol Ballroom – Salons A-E
	12:00 PM – 12:15 PM	<b>Xiaohan Tang</b> <b>University of Florida</b> <i>Cellular Characterization of the Pancreas in Individuals with or at Increased-Risk for Type 1 Diabetes</i>	
	12:15 PM – 12:30 PM	<b>Tiffany Richardson</b> <b>Vanderbilt University</b> <i>Pancreatic Islet and Exocrine Tissue Innervation is Not Altered in Type 1 Diabetes</i>	
12:30 PM – 1:30 PM	<b>LUNCH</b>		La Fuente Courtyard

	<b>nPOD Virus Group Presentations and Discussion:</b> Chairs: Jessica Dunne, Alberto Pugliese and Heikki Hyöty		
1:30 PM – 2:30 PM	1:30 PM – 1:45 PM	<b>Rick Lloyd</b> <b>Baylor College of Medicine</b> <i>Association of Enteroviruses with T1D risk in the TEDDY Study</i>	Costa Del Sol Ballroom – Salons A-E
	1:45 PM – 2:00 PM	<b>Alexia Carré</b> <b>Cochin Institute</b> <i>The CD8+ T-cell Response Against Coxsackievirus is Focused on Few Selected Epitopes: Implications for Vaccination Trials</i>	
	2:00 PM – 2:15 PM	<b>Maria Craig</b> <b>University of Sidney</b> <i>An Emerging role for Rotavirus in T1D</i>	
	2:15 PM – 2:30 PM	<b>Discussion:</b> Led by: Jessica Dunne, Alberto Pugliese and Heikki Hyöty <i>Implications of Recent Data for Vaccination Efforts Against Enteroviruses</i>	
2:30 PM – 2:45 PM	<b>BREAK</b>		----
2:45 PM – 4:15 PM	<b>Cutting Edge Seminar V:</b> <b>Genetic, Immunological, and Metabolic Determinants/Biomarkers of C-peptide Loss</b> Chairs: Richard Oram and Emily Sims		Costa Del Sol Ballroom – Salons A-E
	2:45 PM – 3:15 PM	<b>Flemming Pociot</b> <b>Steno Diabetes Center Copenhagen</b> <i>Genetic and Epigenetic Determinants of C- peptide Loss</i>	
	3:15 PM – 3:45 PM	<b>Peter Linsley</b> <b>Benaroya Research Institute</b> <i>Immune Phenotypes Associated with C-peptide Loss After Diagnosis</i>	

	3:45 PM – 4:15 PM	<p style="text-align: center;"><b>Jay Sosenko</b>  <b>Diabetes Research Institute</b>  <b>University of Miami</b>  <i>2-Dimensional Analysis of Glucose and C-peptide  for Studying Type 1 Diabetes Natural History and  Prevention</i></p>	Costa Del Sol Ballroom – Salons A-E
4:15 PM – 4:45 PM	<p style="text-align: center;"><b>Discussion Session V:</b>  <b>Genetic, Immunological, and Metabolic  Determinants/Biomarkers of C-peptide Loss</b>  Led by: Richard Oram and Emily Sims</p>		Costa Del Sol Ballroom – Salons A-E
4:45 PM – 6:00 PM	<b>FREE TIME / NETWORKING</b>		----
6:00 PM – 8:00 PM	<b>Poster Session (hors d'oeuvres provided)</b>		Costa Del Sol Ballroom – Salons F-H
8:00 PM	<b>DINNER (on your own)</b>		----

## Wednesday, February 26, 2020 (Half day)

Time	Function	Location	
7:00 AM – 8:00 AM	<b>BREAKFAST &amp; CHECKOUT</b> <b>Note:</b> <i>Breakfast will only be served from 7:00 AM – 8:00 AM</i>	La Fuente Courtyard	
8:00 AM – 9:00 AM	If checking out today, please bring luggage to the registration table for the remainder of the meeting. <b>Hotel checkout is no later than 12 pm</b>		
9:00 AM – 11:00 AM	<b>Cutting Edge Seminar VI: Novel Technologies &amp; Updates</b> Chairs: Bruce Verchere and Lori Sussel	Costa Del Sol Ballroom – Salons A-E	
	9:00 AM – 9:30 AM		<b>Bobbie-Jo Webb-Robertson</b> <b>Pacific Northwest National Laboratory</b> <i>nPOD Data Science Updates</i>
	9:30 AM – 10:00 AM		<b>Lorenzo Pasquali</b> <b>Leukaemia Research Institute</b> <i>The Application of Novel Genomic Technologies to Interrogate the Beta Cell Genomic Landscape in T1D</i>
	10:00 AM – 10:30 AM		<b>Jessica Dunne</b> <b>JDRF</b> <i>Type 1 Data Intelligence (T1DI): Updates from the IBM-JDRF Partnership</i>
	10:30 AM – 10:45 AM		<b>Klaus Kaestner</b> <b>University of Pennsylvania</b> <i>HPAP Update</i>
	10:45 AM – 11:00 AM		<b>Marcela Brissova</b> <b>Vanderbilt University</b> <i>HANDEL Update</i>
11:00 AM – 11:30 AM	<b>Discussion Session VI: Novel Technologies and Updates</b> Led by: Bruce Verchere and Lori Sussel	Costa Del Sol Ballroom – Salons A-E	

11:30 AM – 11:45 AM	<p align="center"><b>Carmella Evans Molina &amp; Alberto Pugliese</b>  <b>nPOD Co-Executive Directors</b>  <i>Looking Forward &amp; Closing Remarks</i></p>	Costa Del Sol Ballroom – Salons A-E
<b>END OF MEETING</b>		

**VISIT THE OFFICIAL 2020 nPOD ANNUAL MEETING WEBSITE FOR MORE INFORMATION**

<https://www.jdrfnpod.org/annual-meeting/>

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