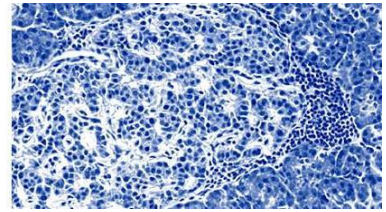


**nPOD**  
 Network for Pancreatic Organ  
 Donors with Diabetes



Tuesday, February 20, 2018		
Time	Function	Location
10:00 AM – 6:45 PM	<b>REGISTRATION</b>	Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)
12:30 PM – 12:45 PM	<b>Opening Remarks:</b> <b>Mark Atkinson, PhD</b> nPOD Executive Director University of Florida	Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
12:45 PM – 2:15 PM	<b>Cutting Edge Seminar I:</b> <b>Pathogenesis and Natural History of T1D</b>	
	12:45 PM – 1:15 PM	<b>Bernd Bodenmiller, PhD</b> University of Zurich <i>Single-Cell Analyses of Human Islets in Type 1 Diabetes Using Imaging Mass Cytometry</i>
	1:15 PM – 1:45 PM	<b>Nora Sarvetnick, PhD</b> University of Nebraska Medical Center <i>Profiling Pre-T1D</i>
	1:45 PM – 2:15 PM	<b>Shannon Wallet, PhD</b> University of Florida <i>Consequences of Viral Sensing by Intestinal Epithelial Cells</i>
2:15 PM – 3:00 PM	<b>Discussion Session I:</b> <b>Pathogenesis and Natural History of T1D</b>	Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
3:00 PM – 3:15 PM	<b>BREAK</b>	Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)

	<b>Cutting Edge Seminar II: Clinical Research and Trials in T1D</b>		
3:15 PM – 5:00 PM	3:15 PM – 3:45 PM	<b>Jay Skyler, MD</b> <b>University of Miami</b> <i>Where Are We with Immunotherapy for T1D? Lessons Learned, Opportunities, and Needs</i>	Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	3:45 PM – 4:15 PM	<b>David Klatzmann, MD, PhD</b> <b>Pierre and Marie Curie Medical School</b> <i>Low Dose IL-2 in T1D and Beyond</i>	
	4:15 PM – 4:45 PM	<b>Mark Peakman, PhD</b> <b>King’s College London</b> <i>Autoreactive Effector Memory CD8 T Cells are Calibrated to Residual Beta-Cell Function in Type 1 Diabetes</i>	
	4:45 PM – 5:00 PM	<b>Martha Campbell-Thompson, DVM, PhD</b> <b>University of Florida</b> <i>Relative Pancreas Volume Is Reduced in Autoantibody Negative First Degree Relatives and Subjects with Pre-Type 1 Diabetes</i>	
5:00 PM – 5:30 PM	<b>Discussion Session II: Clinical Research and Trials in T1D</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
5:30 PM – 6:00 PM	<b>BREAK</b>		----
6:00 PM – 6:45 PM	<b>OPENING RECEPTION (hors d’oeuvres provided)</b>		Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)
6:45 PM – 7:30 PM	<b>Keynote Address:</b> <b>Nicole Johnson, DrPH, MPH, MA</b> <b>JDRF Director of Mission</b> <b>Miss America 1999</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
7:30 PM	<b>DINNER (on your own)</b>		----

## Wednesday, February 21, 2018

Time	Function	Location	
7:00 AM – 5:00 PM	<b>REGISTRATION</b>	Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)	
7:00 AM – 8:00 AM	<b>BREAKFAST</b>	Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)	
8:00 AM – 8:45 AM	<b>George Eisenbarth Memorial Lecture: Marian Rewers, MD, PhD University of Colorado <i>There Is A Lot We Don't Know</i></b>	Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)	
8:45 AM – 10:15 AM	<b>Cutting Edge Seminar III: Lessons from Other Diseases of the Beta Cell</b>	Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)	
	8:45 AM – 9:15 AM		<b>Andrew Hattersley, BM BCh, DM University of Exeter <i>Lessons from Monogenic Diabetes</i></b>
	9:15 AM – 9:45 AM		<b>Fumihiko Urano, MD, PhD Washington University School of Medicine <i>Wolfram Syndrome: A Prototype of ER Stress-Induced Beta Cell Death</i></b>
	9:45 AM – 10:15 AM		<b>Andrew Stewart, MD Icahn School of Medicine at Mount Sinai <i>Insights from Human Insulinoma Genomics: Novel Approaches to Human Beta Cell Regenerative Drug Strategies</i></b>
10:15 AM – 10:30 AM	<b>BREAK</b>	Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)	
10:30 AM – 11:15 AM	<b>Discussion Session III: Lessons from Other Diseases of the Beta Cell</b>	Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)	

	<b>Oral Abstracts I: Beta Cell Dysfunction</b>		
11:15 AM – 12:15 PM	11:15 AM – 11:30 AM	<b>Pia Leete, PhD</b> <b>(nPOD PI: Noel Morgan, PhD)</b> <b>University of Exeter Medical School</b> <i>Aberrant Processing of Proinsulin in Recent-Onset Type 1 Diabetes Correlates with Age at Diagnosis</i>	Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	11:30 AM – 11:45 AM	<b>Richard Oram, MD, PhD</b> <b>University of Exeter Medical School</b> <i>Proinsulin Secretion in Long Duration Type 1 Diabetes, Evidence for Disordered Insulin Processing?</i>	
	11:45 AM – 12:00 PM	<b>Farooq Syed, PhD</b> <b>(nPOD PI: Raghavendra Mirmira, MD, PhD)</b> <b>Indiana University School of Medicine</b> <i>Cellular Responses of Human Pancreatic Islets to Pro-Inflammatory Cytokines and the Discovery of Beta Cell Protective Factors</i>	
	12:00 PM – 12:15 PM	<b>Carol J. Lam</b> <b>(nPOD PI: Jake Kushner, MD)</b> <b>Baylor College of Medicine</b> <i>Highly Proliferative Alpha-Cell Related Islet Endocrine Cells in Human Pancreata</i>	
12:15 PM – 1:30 PM	<b>LUNCH</b>		Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)
1:30 PM – 2:45 PM	<b>nPOD Working Group Presentations: nPOD-Slice (nPOD-S)</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	1:30 PM – 1:50 PM	<b>Julia Stertmann, PhD Student</b> <b>(nPOD PI: Stephan Speier, PhD)</b> <b>Helmholtz Zentrum München</b> <i>Organotypic Culture of Human Pancreas Tissue Slices for the Detailed Investigation of Islet Biology in T1D</i>	
	1:50 PM – 2:10 PM	<b>Joana Almaca, PhD</b> <b>(nPOD PI: Alejandro Caicedo, PhD)</b> <b>University of Miami</b> <i>Using Ca<sup>2+</sup> Imaging in Human Pancreas Slices to Characterize Endocrine Cell Responses in Situ</i>	

	2:10 PM – 2:30 PM	<b>Juan Dominguez-Bendala, PhD</b> <b>University of Miami</b> <i>A Novel Population of Multipotent ALK3+/P2RY1+ Progenitor-Like Cells within the Adult Human Exocrine Pancreas</i>	
	2:30 PM – 2:45 PM	<b>Stephen Speier, PhD &amp; Alberto Pugliese, MD</b> <i>Commentary and Discussion, Future Directions</i>	
2:45 PM – 3:00 PM	<b>BREAK</b>		Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)
3:00 PM – 5:00 PM	<b>nPOD Working Group Presentations: nPOD - Autoimmunity (nPOD-A)</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	3:00 PM – 3:15 PM	<b>Sally Kent, PhD &amp; Alberto Pugliese, MD</b> <i>Update on Goals and Progress of the nPOD-A Group</i>	
	3:15 PM – 3:30 PM	<b>Todd Brusko, PhD</b> <b>University of Florida</b> <i>The T Cell Receptor CDR3B Contains Motifs that Predict Disease States in nPOD Samples</i>	
	3:30 PM – 3:45 PM	<b>Maki Nakayama, MD, PhD</b> <b>University of Colorado</b> <i>Update on Islet-Infiltrating T Cell Repertoire Analysis</i>	
	3:45 PM – 4:00 PM	<b>Andrew Schultz, MS</b> <b>(nPOD PI: Todd Brusko, PhD)</b> <b>University of Florida</b> <i>Immunophenotypic Profiling of Fresh and Cryopreserved nPOD Tissues Reveals Age and Disease-Related Lymphocyte Associations</i>	
	4:00 PM – 4:15 PM	<b>Luc Teyton, MD, PhD</b> <b>The Scripps Research Institute</b> <i>Single Cell Analysis of Anti-Insulin CD4 T Cells in Pre-Diabetic NOD Mice and Human Reveals Molecular Mechanisms of Disease</i>	
	4:15 PM – 4:30 PM	<b>Jorge Postigo, PhD</b> <b>(nPOD PI: Remi Creusot, PhD)</b> <b>Columbia University Medical Center</b> <i>Phenotypic and Transcriptional Analysis of Antigen-Presenting Cells Subsets in Pancreatic Lymph Nodes in Type 1 Diabetes</i>	

	4:30 PM – 5:00 PM	<b>Sally Kent, PhD &amp; Alberto Pugliese, MD</b> <i>Commentary and Discussion, Future Directions</i>	
5:00 PM – 7:00 PM	<b>FREE TIME</b>		----
7:00 PM – 10:00 PM	<b>DINNER &amp; AWARDS CEREMONY:</b> <b>nPOD's Got Talent III</b>		South Palm Court (Lobby Level, Outdoors)

## Thursday, February 22, 2018

Time	Function		Location
7:00 AM – 8:00 AM	<b>BREAKFAST</b>		Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)
8:00 AM – 9:30 AM	<b>Cutting Edge Seminar IV: Beta Cells</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	8:00 AM – 8:30 AM	<b>Guy Rutter, PhD</b> Imperial College London <i>Stronger Together: Understanding Pancreatic Beta Cell Connectivity</i>	
	8:30 AM – 9:00 AM	<b>Anil Bhushan, PhD</b> University of California, San Francisco <i>Sacrifice a Few to Save the Rest</i>	
	9:00 AM – 9:30 AM	<b>Kevan Herold, MD</b> Yale University <i>Beta Cell Responses to Immune Attack</i>	
9:30 AM – 10:15 AM	<b>Discussion Session IV: Beta Cells</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
10:15 AM – 10:30 AM	<b>BREAK</b>		Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)
10:30 AM – 12:00 PM	<b>Oral Abstracts II: Immunology</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	10:30 AM – 11:00 AM	<b>Ezio Bonifacio, PhD</b> Technische Universität Dresden & <b>David Leslie, MD</b> Barts and the London School of Medicine & Dentistry  <i>Remembering Gianfranco Bottazzo: The Discovery of ICA and the Beta Cell Suicide Hypothesis</i>	

10:30 AM – 12:00 PM	11:00 AM – 11:30 AM	<p><b>David Harlan, MD</b>  <b>University of Massachusetts Medical School</b>  <b>&amp;</b>  <b>Mark Russell, PhD</b>  <b>(nPOD PI: Noel Morgan, PhD)</b>  <b>University of Exeter Medical School</b></p> <p><i>Aberrant Expression of HLA-Class II Molecules  in a Subset of Beta Cells in Patients with T1D  Correlates with Expression of the HLA-Class II  Transcriptional Regulator CIITA</i></p>	
	11:30 AM – 11:45 AM	<p><b>Somayeh Sabouri, PhD</b>  <b>(nPOD PI: Matthias von Herrath, MD)</b>  <b>La Jolla Institute for Allergy and Immunology</b></p> <p><i>MHC Class I Expression and Localization in  Pancreatic Islets of Donors with T1D</i></p>	
	11:45 AM – 12:00 PM	<p><b>David Leslie, MD &amp; Alberto Pugliese, MD</b></p> <p><i>Commentary and Discussion</i></p>	
12:00 PM – 1:15 PM	<b>LUNCH</b>		Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)
1:15 PM – 2:30 PM	<b>nPOD Working Group Presentations: nPOD-Extracellular Matrix (nPOD-ECM)</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	1:15 PM – 1:30 PM	<p><b>Marika Bogdani, MD, PhD</b>  <b>Benaroya Research Institute</b></p> <p><i>Update on the Goals and Progress  of the nPOD-ECM Group</i></p>	
	1:30 PM – 1:45 PM	<p><b>Charmaine Simeonovic, PhD</b>  <b>Australian National University</b></p> <p><i>Heparanase is a Biomarker of T1D  Development and Progression</i></p>	
	1:45 PM – 2:00 PM	<p><b>Eva Korpos, PhD</b>  <b>(nPOD PI: Lydia Sorokin, PhD, Prof)</b>  <b>University of Münster</b></p> <p><i>Extracellular Matrix of Spleen in  Prediabetes and Type 1 Diabetes</i></p>	
	2:00 PM – 2:15 PM	<p><b>Paul Bollyky, MD, PhD</b>  <b>Stanford University</b></p> <p><i>Targeting Hyaluronan to Induce  Regulatory T-Cells and Prevent T1D</i></p>	



	2:15 PM – 2:30 PM	<b>Paul Bollyky, MD, PhD &amp; Alberto Pugliese, MD</b> <i>Commentary and Discussion, Future Directions</i>	
2:30 PM – 2:45 PM	<b>BREAK</b>		Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)
2:45 PM – 4:45 PM	<b>nPOD Working Group Presentations: nPOD – Virus (nPOD-V)</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	2:45 PM – 3:00 PM	<b>Heikki Hyöty, MD, PhD &amp; Alberto Pugliese, MD</b> <i>Update on the Goals and Progress of the nPOD-V Group</i>	
	3:00 PM – 3:15 PM	<b>Sarah Richardson, PhD</b> <b>University of Exeter Medical School</b> <i>Enteroviral Entry – Is CAR the Beta Cell Trojan Horse? The Coxsackie-Adenovirus Receptor (CAR) Adopts an Unexpected Subcellular Distribution in Human Pancreatic Beta Cells</i>	
	3:15 PM – 3:30 PM	<b>Lars Krogvold, MD</b> <b>(nPOD PIs: Knut Dahl-Jørgensen, MD, PhD &amp; Antonio Toniolo, MD)</b> <b>University of Oslo</b> <i>Enteroviruses in the Pancreas of Live Adult Patients with Newly Diagnosed Type 1 Diabetes: Results from the DiViD Study</i>	
	3:30 PM – 3:45 PM	<b>Prof. Noel Morgan, PhD</b> <b>University of Exeter Medical School</b> <i>Activation of Antiviral Response Pathways, Rather than the Presence of EV Infection per se, Determines the Development of Autoimmunity and Type 1 Diabetes</i>	
	3:45 PM – 4:00 PM	<b>Varpu Marjomäki, PhD</b> <b>University of Jyväskylä</b> <i>Electron Microscopy Methods can Detect Acute and Persistent Enterovirus Infections in Pancreas Tissue</i>	
	4:00 PM – 4:15 PM	<b>Julius Nyalwidhe, PhD</b> <b>(nPOD PI: Jerry Nadler, MD)</b> <b>Eastern Virginia Medical School</b> <i>Transcriptome and Proteomic Analysis of Human Stem-Cell-Derived <math>\beta</math> Cells Following Enteroviral Challenge</i>	

	4:15 PM – 4:45 PM	<b>Heikki Hyöty, MD, PhD &amp; Alberto Pugliese, MD</b> <i>Commentary and Discussion, Future Directions</i>	
4:45 PM – 6:00 PM	<b>FREE TIME</b>		----
6:00 PM – 8:00 PM	<b>Poster Session (hors d'oeuvres provided)</b>		Great Hall 2 (Convention Center, 3 <sup>rd</sup> Floor)
8:00 PM	<b>DINNER (on your own)</b>		----

## Friday, February 23, 2018 (Half day)

Time	Function		Location
7:00 AM – 8:00 AM	<b>BREAKFAST</b>		Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)
8:00 AM – 9:00 AM	<b>Cutting Edge Seminar V: Natural History &amp; Environmental Contributions to T1D</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	8:00 AM – 8:30 AM	<b>Dr. Ezio Bonifacio, PhD</b> <b>Technische Universität Dresden</b> <i>How Early is Beta Cell Autoimmunity Programmed and Can We Change the Program?</i>	
	8:30 AM – 9:00 AM	<b>Maria Craig, PhD</b> <b>University of Sydney &amp; University of New South Wales</b> <i>Viruses and Type 1 Diabetes: New Insights Using Virome Capture Sequencing</i>	
9:00 AM – 9:30 AM	<b>Discussion Session V: Natural History &amp; Environmental Contributions to T1D</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
9:30 AM – 10:30 AM	<b>nPOD Working Group Presentations: nPOD - Islet Isolation Program (nPOD-IIP)</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	9:30 AM – 9:45 AM	<b>Clayton Mathews, PhD</b> <b>University of Florida</b> <i>Update on the Goals and Progress of the New nPOD-IIP</i>	
	9:45 AM – 10:00 AM	<b>Jenny Babon, PhD</b> <b>(nPOD PI: Sally Kent, PhD)</b> <b>University of Massachusetts Medical School</b> <i>Extensive Phenotype, Function, and Autoreactivity of T Cells from the Islets of a Donor with Recent Onset Type 1 Diabetes (nPOD 6414)</i>	

	10:00 AM – 10:15 AM	<b>David Blodgett, PhD</b> <b>(nPOD PI: David Harlan, MD)</b> <b>University of Massachusetts Medical School</b> <i>Lessons from T1D Donors’  Islet Cell Subset Transcriptome</i>	
	10:15 AM – 10:30 AM	<b>Clayton Mathews, PhD &amp; Alberto Pugliese, MD</b> <i>Commentary and Discussion, future directions</i>	
10:30 AM – 11:00 AM	<b>BREAK &amp; CHECKOUT</b> <b>Hotel checkout is 11 AM</b> If checking out today, please bring luggage to the registration table for the remainder of the meeting.		Great Hall Foyer (Convention Center, 3 <sup>rd</sup> Floor)
	<b>Oral Abstracts III:  Immunology</b>		
11:00 AM – 11:30 AM	11:00 AM – 11:15 AM	<b>Roberto Mallone, MD, PhD</b> <b>Cochin Institute</b> <i>Islet-Reactive CD8+ T-Cell Frequencies in the  Pancreas but Not Blood Distinguish  Type 1 Diabetes from Healthy Donors</i>	Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
	11:15 AM – 11:30 AM	<b>Guido Sebastiani, PhD</b> <b>Fondazione Umberto di Mario &amp; University of Siena</b> <i>In-Situ Immunohistochemical Detection of  ZnT8 186-194 Reactive CD8+ T Cells in the  Pancreas of nPOD T1D Donors</i>	
11:30 AM – 12:00 PM	<b>Looking Forward &amp; Closing Remarks</b> <b>Alberto Pugliese, MD</b> <b>nPOD Co-Executive Director</b> <b>University of Miami</b>		Great Hall 1 (Convention Center, 3 <sup>rd</sup> Floor)
<b>END OF MEETING</b>			

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