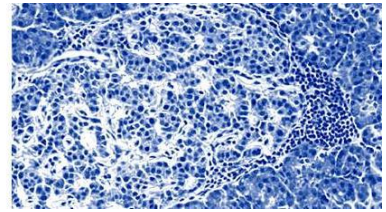




nPOD
 Network for Pancreatic Organ
 Donors with Diabetes



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

	Cutting Edge Seminar II: Clinical Research and Trials in T1D		
3:15 PM – 5:00 PM	3:15 PM – 3:45 PM	Jay Skyler, MD University of Miami <i>Where Are We with Immunotherapy for T1D? Lessons Learned, Opportunities, and Needs</i>	Great Hall 1 (Convention Center, 3 rd Floor)
	3:45 PM – 4:15 PM	David Klatzmann, MD, PhD Pierre and Marie Curie Medical School <i>Low Dose IL-2 in T1D and Beyond</i>	
	4:15 PM – 4:45 PM	Mark Peakman, PhD King’s College London <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	Martha Campbell-Thompson, DVM, PhD University of Florida <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	Discussion Session II: Clinical Research and Trials in T1D		Great Hall 1 (Convention Center, 3 rd Floor)
5:30 PM – 6:00 PM	BREAK		----
6:00 PM – 6:45 PM	OPENING RECEPTION (hors d’oeuvres provided)		Great Hall Foyer (Convention Center, 3 rd Floor)
6:45 PM – 7:30 PM	Keynote Address: Nicole Johnson, DrPH, MPH, MA JDRF Director of Mission Miss America 1999 <i>Hopes for a Cure for Type 1 Diabetes – My Perspective</i>		Great Hall 1 (Convention Center, 3 rd Floor)
7:30 PM	DINNER (on your own)		----

Wednesday, February 21, 2018

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

	Oral Abstracts I: Beta Cell Dysfunction		
11:15 AM – 12:15 PM	11:15 AM – 11:30 AM	Pia Leete, PhD (nPOD PI: Noel Morgan, PhD) University of Exeter Medical School <i>Aberrant Processing of Proinsulin in Recent-Onset Type 1 Diabetes Correlates with Age at Diagnosis</i>	Great Hall 1 (Convention Center, 3 rd Floor)
	11:30 AM – 11:45 AM	Richard Oram, MD, PhD University of Exeter Medical School <i>Proinsulin Secretion in Long Duration Type 1 Diabetes, Evidence for Disordered Insulin Processing?</i>	
	11:45 AM – 12:00 PM	Farooq Syed, PhD (nPOD PI: Raghavendra Mirmira, MD, PhD) Indiana University School of Medicine <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	Carol J. Lam (nPOD PI: Jake Kushner, MD) Baylor College of Medicine <i>Highly Proliferative Alpha-Cell Related Islet Endocrine Cells in Human Pancreata</i>	
12:15 PM – 1:30 PM	LUNCH		Great Hall Foyer (Convention Center, 3 rd Floor)
1:30 PM – 2:45 PM	nPOD Working Group Presentations: nPOD-Slice (nPOD-S)		Great Hall 1 (Convention Center, 3 rd Floor)
	1:30 PM – 1:50 PM	Julia Stertmann, PhD Student (nPOD PI: Stephan Speier, PhD) Helmholtz Zentrum München <i>Organotypic Culture of Human Pancreas Tissue Slices for the Detailed Investigation of Islet Biology in T1D</i>	
	1:50 PM – 2:10 PM	Joana Almaca, PhD (nPOD PI: Alejandro Caicedo, PhD) University of Miami <i>Using Ca²⁺ Imaging in Human Pancreas Slices to Characterize Endocrine Cell Responses in Situ</i>	

	2:10 PM – 2:30 PM	Juan Dominguez-Bendala, PhD University of Miami <i>A Novel Population of Multipotent ALK3+/P2RY1+ Progenitor-Like Cells within the Adult Human Exocrine Pancreas</i>	
	2:30 PM – 2:45 PM	Stephen Speier, PhD & Alberto Pugliese, MD <i>Commentary and Discussion, Future Directions</i>	
2:45 PM – 3:00 PM	BREAK		Great Hall Foyer (Convention Center, 3 rd Floor)
3:00 PM – 5:00 PM	nPOD Working Group Presentations: nPOD - Autoimmunity (nPOD-A)		Great Hall 1 (Convention Center, 3 rd Floor)
	3:00 PM – 3:15 PM	Sally Kent, PhD & Alberto Pugliese, MD <i>Update on Goals and Progress of the nPOD-A Group</i>	
	3:15 PM – 3:30 PM	Todd Brusko, PhD University of Florida <i>The T Cell Receptor CDR3B Contains Motifs that Predict Disease States in nPOD Samples</i>	
	3:30 PM – 3:45 PM	Maki Nakayama, MD, PhD University of Colorado <i>Update on Islet-Infiltrating T Cell Repertoire Analysis</i>	
	3:45 PM – 4:00 PM	Andrew Schultz, MS (nPOD PI: Todd Brusko, PhD) University of Florida <i>Immunophenotypic Profiling of Fresh and Cryopreserved nPOD Tissues Reveals Age and Disease-Related Lymphocyte Associations</i>	
	4:00 PM – 4:15 PM	Luc Teyton, MD, PhD The Scripps Research Institute <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	Jorge Postigo, PhD (nPOD PI: Remi Creusot, PhD) Columbia University Medical Center <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	Sally Kent, PhD & Alberto Pugliese, MD <i>Commentary and Discussion, Future Directions</i>	
5:00 PM – 7:00 PM	FREE TIME		----
7:00 PM – 10:00 PM	DINNER & AWARDS CEREMONY nPOD Has Talent III		South Palm Court (Lobby Level, Outdoors)

Thursday, February 22, 2018

Time	Function		Location
7:00 AM – 8:00 AM	BREAKFAST		Great Hall Foyer (Convention Center, 3 rd Floor)
8:00 AM – 9:30 AM	Cutting Edge Seminar IV: Beta Cells		Great Hall 1 (Convention Center, 3 rd Floor)
	8:00 AM – 8:30 AM	Guy Rutter, PhD Imperial College London <i>Stronger Together: Understanding Pancreatic Beta Cell Connectivity</i>	
	8:30 AM – 9:00 AM	Anil Bhushan, PhD University of California, San Francisco <i>Sacrifice a Few to Save the Rest</i>	
	9:00 AM – 9:30 AM	Kevan Herold, MD Yale University <i>Beta Cell Responses to Immune Attack</i>	
9:30 AM – 10:15 AM	Discussion Session IV: Beta Cells		Great Hall 1 (Convention Center, 3 rd Floor)
10:15 AM – 10:30 AM	BREAK		Great Hall Foyer (Convention Center, 3 rd Floor)
10:30 AM – 12:00 PM	Oral Abstracts II: Immunology		Great Hall 1 (Convention Center, 3 rd Floor)
	10:30 AM – 11:00 AM	Ezio Bonifacio, PhD Technische Universität Dresden & David Leslie, MD 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>David Harlan, MD University of Massachusetts Medical School & Mark Russell, PhD (nPOD PI: Noel Morgan, PhD) University of Exeter Medical School</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>Somayeh Sabouri, PhD (nPOD PI: Matthias von Herrath, MD) La Jolla Institute for Allergy and Immunology</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>David Leslie, MD & Alberto Pugliese, MD</p> <p><i>Commentary and Discussion</i></p>	
12:00 PM – 1:15 PM	LUNCH		Great Hall Foyer (Convention Center, 3 rd Floor)
1:15 PM – 2:30 PM	nPOD Working Group Presentations: nPOD-Extracellular Matrix (nPOD-ECM)		Great Hall 1 (Convention Center, 3 rd Floor)
	1:15 PM – 1:30 PM	<p>Marika Bogdani, MD, PhD Benaroya Research Institute</p> <p><i>Update on the Goals and Progress of the nPOD-ECM Group</i></p>	
	1:30 PM – 1:45 PM	<p>Charmaine Simeonovic, PhD Australian National University</p> <p><i>Heparanase is a Biomarker of T1D Development and Progression</i></p>	
	1:45 PM – 2:00 PM	<p>Eva Korpos, PhD (nPOD PI: Lydia Sorokin, PhD, Prof) University of Münster</p> <p><i>Extracellular Matrix of Spleen in Prediabetes and Type 1 Diabetes</i></p>	
	2:00 PM – 2:15 PM	<p>Paul Bollyky, MD, PhD Stanford University</p> <p><i>Targeting Hyaluronan to Induce Regulatory T-Cells and Prevent T1D</i></p>	

	2:15 PM – 2:30 PM	Paul Bollyky, MD, PhD & Alberto Pugliese, MD <i>Commentary and Discussion, Future Directions</i>	
2:30 PM – 2:45 PM	BREAK		Great Hall Foyer (Convention Center, 3 rd Floor)
2:45 PM – 4:45 PM	nPOD Working Group Presentations: nPOD – Virus (nPOD-V)		Great Hall 1 (Convention Center, 3 rd Floor)
	2:45 PM – 3:00 PM	Heikki Hyöty, MD, PhD & Alberto Pugliese, MD <i>Update on the Goals and Progress of the nPOD-V Group</i>	
	3:00 PM – 3:15 PM	Sarah Richardson, PhD University of Exeter Medical School <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	Lars Krogvold, MD (nPOD PIs: Knut Dahl-Jørgensen, MD, PhD & Antonio Toniolo, MD) University of Oslo <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	Noel Morgan, PhD University of Exeter Medical School <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	Varpu Marjomäki, PhD University of Jyväskylä <i>Electron Microscopy Methods can Detect Acute and Persistent Enterovirus Infections in Pancreas Tissue</i>	
	4:00 PM – 4:15 PM	Julius Nyalwidhe, PhD (nPOD PI: Jerry Nadler, MD) Eastern Virginia Medical School <i>Transcriptome and Proteomic Analysis of Human Stem-Cell-Derived β Cells Following Enteroviral Challenge</i>	

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

Friday, February 23, 2018 (Half day)

Time	Function		Location
7:00 AM – 8:00 AM	BREAKFAST		Great Hall Foyer (Convention Center, 3 rd Floor)
8:00 AM – 9:00 AM	Cutting Edge Seminar V: Natural History & Environmental Contributions to T1D		Great Hall 1 (Convention Center, 3 rd Floor)
	8:00 AM – 8:30 AM	Dr. Ezio Bonifacio, PhD Technische Universität Dresden <i>How Early is Beta Cell Autoimmunity Programmed and Can We Change the Program?</i>	
	8:30 AM – 9:00 AM	Maria Craig, PhD University of Sydney & University of New South Wales <i>Viruses and Type 1 Diabetes: New Insights Using Virome Capture Sequencing</i>	
9:00 AM – 9:30 AM	Discussion Session V: Natural History & Environmental Contributions to T1D		Great Hall 1 (Convention Center, 3 rd Floor)
9:30 AM – 10:30 AM	nPOD Working Group Presentations: nPOD - Islet Isolation Program (nPOD-IIP)		Great Hall 1 (Convention Center, 3 rd Floor)
	9:30 AM – 9:45 AM	Clayton Mathews, PhD University of Florida <i>Update on the Goals and Progress of the New nPOD-IIP</i>	
	9:45 AM – 10:00 AM	Jenny Babon, PhD (nPOD PI: Sally Kent, PhD) University of Massachusetts Medical School <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	David Blodgett, PhD (nPOD PI: David Harlan, MD) University of Massachusetts Medical School <i>Lessons from T1D Donors’ Islet Cell Subset Transcriptome</i>	
	10:15 AM – 10:30 AM	Clayton Mathews, PhD & Alberto Pugliese, MD <i>Commentary and Discussion, future directions</i>	
10:30 AM – 11:00 AM	BREAK & CHECKOUT Hotel checkout is 11 AM If checking out today, please bring luggage to the registration table for the remainder of the meeting.		Great Hall Foyer (Convention Center, 3 rd Floor)
	Oral Abstracts III: Immunology		
11:00 AM – 11:30 AM	11:00 AM – 11:15 AM	Roberto Mallone, MD, PhD Cochin Institute <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 rd Floor)
	11:15 AM – 11:30 AM	Guido Sebastiani, PhD Fondazione Umberto di Mario & University of Siena <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	Looking Forward & Closing Remarks Alberto Pugliese, MD nPOD Co-Executive Director University of Miami		Great Hall 1 (Convention Center, 3 rd Floor)
END OF MEETING			

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