

Sunday, January 30, 2022		
Time	Function	Location
10:00 AM – 6:45 PM	REGISTRATION	Serenoa
12:00 PM – 12:15 PM	Opening Remarks: <i>Mark Atkinson PhD, Carmella Evans-Molina MD, PhD, and Alberto Pugliese MD nPOD Executive Directors</i>	Atlantica Ballroom
12:15 PM – 1:45 PM	Cutting Edge Seminar I: Islet Cell Biology and Implications for Type 1 Diabetes Co-Chairs: Emily Sims MD and Ivan Gerling PhD	
	12:15 PM – 12:45 PM	<i>Beta Cell Mitophagy and Mitochondrial Dysfunction in T1D</i> <i>Scott Soleimanpour MD - VIRTUAL</i>
	12:45 PM – 1:15 PM	<i>Cellular Age Mosaicism</i> <i>Rafael Arrojo e Drigo PhD - VIRTUAL</i>
	1:15 PM – 1:45 PM	<i>Beta Cell Stress Responses and Senescence in T1D</i> <i>Peter Thompson PhD - VIRTUAL</i>
1:45 PM – 2:30 PM	BREAK	----
2:30 PM – 2:45 PM	Discussion Session I: Islet Cell Biology and Implications for Type 1 Diabetes	Atlantica Ballroom

	Led by: Emily Sims MD and Ivan Gerling PhD		
2:45 PM – 4:00 PM	<p align="center">Oral Abstracts I: Islet Biology Co-Chairs: Scott Soleimanpour MD and Joana Almaça PhD</p>		Atlantica Ballroom
	2:45 PM – 3:00 PM	<p align="center"><i>Targeting Glutamate Receptors in Human Alpha Cells Restores Glucagon Secretion in Type 1 Diabetes</i> Julia Panzer PhD</p>	
	3:00 PM – 3:15 PM	<p align="center"><i>12-Lipoxygenase Activates the Integrated Stress Response in Pancreatic Islets, Suppresses PD-L1 Production, and Promotes the Development of T1D</i> Abhishek Kulkarni PhD - VIRTUAL</p>	
	3:15 PM – 3:30 PM	<p align="center"><i>Lessons on Human Beta Cell Biology from Comprehensive Methylome Analysis</i> Yuval Dor PhD - VIRTUAL</p>	
	3:30 PM – 3:45 PM	<p align="center"><i>Elevated Islet Prohormone Ratios as Indicators of Insulin Dependency in Islet Transplant Recipients</i> Yi-Chun Chen PhD - VIRTUAL</p>	
	3:45 PM – 4:00 PM	<p align="center"><i>Regulation of Glucose Metabolism by Posttranslational Modifications in Type 1 Diabetes</i> Mark Mamula PhD - VIRTUAL</p>	
4:00 PM – 4:55 PM	<p align="center">nPOD Working Group Presentations: nPOD-Virus Group Co-Chairs: Alberto Pugliese MD, PhD and Dirk Homann MD, PhD</p>		


	4:00 PM - 4:20 PM	<i>Modeling EV Infection in Pancreas Slices</i> <i>Mehdi Benkhala PhD</i>	Atlantica Ballroom
	4:20 PM – 4:35 PM	<i>Gene Expression and Antiviral Response Profiles Distinguish Children who Develop Insulin or GAD-driven Autoimmunity – the TEDDY study</i> <i>Matti Nykter PhD</i>	Atlantica Ballroom
	4:35 PM – 4:55 PM	<i>Enterovirus Vaccination Trial and Teplizumab Update</i> <i>Francisco Leon MD, PhD - VIRTUAL</i>	
4:55 PM – 5:20 PM	Discussion: nPOD-Virus Group Led by: Alberto Pugliese MD and Dirk Homann MD		Atlantica Ballroom
5:20 PM – 6:00 PM	BREAK		----
6:00 PM – 7:00 PM	RECEPTION (light hors d'oeuvres provided)		Pristina and Verandina
7:00 PM – 7:45 PM	George Eisenbarth Memorial Lecture: <i>Insulin-specific T cells in the islets</i> <i>Maki Nakayama MD, PhD</i>		Atlantica Ballroom
7:45 PM	DINNER (on your own)		----

Monday, January 31, 2022

Time	Function	Location
7:00 AM – 4:30 PM	REGISTRATION	Serenoa
7:00 AM – 8:00 AM	BREAKFAST	Pristina and Verandina
8:00 AM – 8:45 AM	Oral abstracts II – Immunology Co-Chairs: Todd Brusko PhD and Mark Rigby MD, PhD	
	8:00 AM – 8:15 AM	<i>Altered Frequencies of TEMRA and CXCR3-Positive Cells among Autoreactive CD4 T Cells Associated with Recurrent Islet Autoimmunity in Recipients of Simultaneous Pancreas-Kidney Transplants</i> Alberto Pugliese MD
	8:15 AM – 8:30 AM	<i>Activation and Trafficking of Insulin-Binding B Cells to the pLN in nPOD Donors</i> Mia Smith DVM, PhD
	8:30 AM – 8:45 AM	<i>Recognition of a splice variant Neo-epitope by CD4+ T Cells in Subjects with Type 1 Diabetes</i> Eddie James PhD
		Atlantica Ballroom

	Cutting Edge Seminar II: Autoimmunity/Pathogenesis Co-Chairs: Jamie Felton and Thomas Delong		
8:45 AM – 10:45 AM	8:45 AM 9:15 AM	<i>Human Tissue-Resident Memory T-cells/ Pancreas</i> <i>Donna Farber PhD</i>	Atlantica Ballroom
	9:15 AM 9:45 AM	<i>Emerging Concepts around CD8 Biology</i> <i>Marcus Bugger PhD - VIRTUAL</i>	
	9:45 AM 10:15 AM	<i>Development of Adaptive Immune Responses in Central and Peripheral Lymphoid Tissues</i> <i>Maigan Brusko PhD - VIRTUAL</i>	
	10:15 AM 10:45 AM	<i>Discovery of Novel Autoantigens</i> <i>Roberto Mallone MD, PhD -VIRTUAL</i>	
10:45 AM – 11:00 AM	Discussion Session II: Autoimmunity/Pathogenesis in Type 1 Diabetes Led by: Jamie Felton MD and Thomas Delong PhD		Atlantica Ballroom
11:00 AM – 11:30 AM	BREAK		----
11:30 AM – 12:15 PM	Keynote Speaker: <i>New paradigms for islet genetics and transplantation tolerance: implications for diabetes research</i> <i>Seung Kim MD, PhD -VIRTUAL</i>		Atlantica Ballroom
12:15 PM – 1:30 PM	LUNCH		Pristina and Verandina

1:30 PM – 3:00 PM	Cutting Edge Seminar III: The Pancreas in T1D		Atlantica Ballroom
	Co-Chairs: Teresa Mastracci PhD and Carmella Evans-Molina MD, PhD		
	1:30 PM – 2:00 PM	<i>Pancreas imaging in T1D</i> <i>Jack Virostko PhD</i>	
	2:00 PM – 2:30 PM	<i>Exocrine Pancreatic Infiltrates</i> <i>Kyle Gaulton PhD</i>	
	2:30 PM – 3:00 PM	<i>Pancreas Vagal Neuroanatomy</i> <i>Martha Campbell-Thompson DVM, PhD -</i> <i>VIRTUAL</i>	
3:00 PM – 3:30 PM	Discussion Session III: The Pancreas in T1D		Atlantica Ballroom
	Led by: Teresa Mastracci PhD and Carmella Evans-Molina MD, PhD		
3:30 PM – 3:45 PM	BREAK		----
3:45 PM – 4:30 PM	Oral Abstracts III: Novel Therapies		Atlantica Ballroom
	Co-Chairs: Jason Spaeth PhD and Alice Long PhD		
	3:45 PM – 4:00 PM	<i>Pre-clinical Evaluation of TYK2 Inhibitors as a Therapy for Type 1 Diabetes</i> <i>Farooq Syed PhD</i>	

	4:00 PM – 4:15 PM	<i>β-cell targeted Immune Suppressive PD-1 Bispecific Agonists – a Novel Approach to Treat Type 1 Diabetes Giovanna Bossi PhD - VIRTUAL</i>	Atlantica Ballroom
	4:15 PM – 4:30 PM	<i>β-cell Targeting of Immune Suppressive Agonists in Human Pancreas Tissue Slices Matthew Becker, PhD(c)</i>	
4:30 PM – 7:00 PM	FREE TIME / NETWORKING		----
5:00 PM – 6:00 PM	ONLINE POSTER SESSION Link: https://tinyurl.com/2bdvcvv9 Meeting ID: 824 5897 3710 Password: 941422		
7:00 PM – 9:00 PM	DINNER & AWARDS CEREMONY		Verandina

Tuesday, February 1, 2022

Time	Function	Location	
7:00 AM – 8:00 AM	BREAKFAST	Pristina and Verandina	
8:00 AM – 9:30 AM	Cutting Edge Seminar IV: Alpha Cells Co-Chairs: Klaus Kaestner PhD and Clayton Mathews PhD	Atlantica Ballroom	
	8:00 AM – 8:30 AM		<i>ZT-01, a First-in-class SSTR2 Antagonist to Prevent Hypoglycemia in Insulin Dependent Diabetes</i> <i>Richard Liggins PhD - VIRTUAL</i>
	8:30 AM – 9:00 AM		<i>Targeting GIP/GLP-2 Receptors to Prevent Hypoglycemia in Type 1 Diabetes</i> <i>Filip Knop MD, PhD - VIRTUAL</i>
9:00 AM – 9:30 AM	<i>Alpha Cell Dysfunction Precedes Beta Cell Loss in T1D</i> <i>Doris Stoffers MD, PhD – VIRTUAL</i>		
9:30 AM – 10:00 AM	Discussion Session IV: Alpha Cells Led by: Klaus Kaestner PhD and Clayton Mathews PhD	Atlantica Ballroom	
10:00 AM – 10:30 AM	BREAK	----	

10:30 AM – 11:30 AM	<p align="center">nPOD Working Group Presentations: nPOD-Slice Group Co-Chairs: Alberto Pugliese MD and Edward Phelps PhD</p>		Atlantica Ballroom
	10:30 AM – 10:50 AM	<p align="center"><i>Changes in the Human Microvasculature during T1D</i> <i>Joana Almaça PhD</i></p>	
	10:50 AM – 11:10 AM	<p align="center"><i>Characterizing Endocrine Cell Cross Talk in Human Islets in Situ during T1D Progression</i> <i>Richard Benninger PhD</i></p>	
11:10 AM – 11:30 AM	<p align="center"><i>Developing Kinase Inhibitors of IRE1α to Treat Diabetes</i> <i>Feroz Papa MD, PhD - VIRTUAL</i></p>		
11:30 AM – 12:15 PM	<p align="center">Oral Abstracts IV: Pathogenesis Co-Chairs: Lori Sussel PhD and Esther Latres PhD</p>		Atlantica Ballroom
	11:30 AM – 11:45 PM	<p align="center"><i>Type 2 diabetes-associated TCF7L2 Genetic Variants and African American Race Protect from Loss of Insulin Containing Islets in Type 1 Diabetes</i> <i>Maria Redondo MD, PhD, MPH</i></p>	
	11:45 AM – 12:00 PM	<p align="center"><i>Single Nucleus-resolved Chromatin Accessibility Profiles of Pancreatic Islet Cells</i> <i>Michelle Lee</i></p>	

	12:00 PM – 12:15 PM	<i>Humoral Factors and Circulating Extracellular Vesicles in Type 1 Diabetes Induce Beta Cell Cytotoxicity</i> <i>Nagesha Guthal Kondegowda PhD - VIRTUAL</i>	Atlantica Ballroom
12:15 PM – 1:30 PM	LUNCH		Pristina and Verandina
1:30 PM – 3:30 PM	SHARK TANK Sharks: Desmond Schatz MD, Jessica Dunne PhD, Chantal Mathieu MD (Virtual), and Bart Roep PhD (Virtual)		Atlantica Ballroom
	1:30 PM – 1:50 PM	<i>What do Single Autoantibody Positive Tell us in Terms of Disease Prediction?</i> <i>Ezio Bonifacio PhD - VIRTUAL</i>	
	1:50 PM – 2:10 PM	<i>What do Metabolic Data from Clinical Cohorts Tell us?</i> <i>Maria Redondo MD, PhD, MPH</i>	
	2:10 PM – 2:30 PM	<i>Dealing with False Positives and Overlap Forms of Diabetes</i> <i>Angus Jones PhD - VIRTUAL</i>	
	2:30 PM – 2:50 PM	<i>Is Autoantibody Positivity Important for Islet MHC Expression?</i> <i>Estefania Quesada-Masachs MD, PhD</i>	
	2:50 PM – 3:10 PM	<i>Are There Unique Features in Single Autoantibody Positive Pancreata?</i> <i>Mark Atkinson PhD</i>	
	3:10 PM – 3:30 PM	<i>Open Discussion</i>	

3:30 PM – 3:45 PM	BREAK		----
3:45 PM – 4:45 PM	Hot Topics in Autoimmunity Co-Chairs: Simi Ahmed PhD and Eddie James PhD		Atlantica Ballroom
	3:45 PM – 4:15 PM	<i>Responder and Non-responder Analysis in T1D Prevention Trials Alice Long PhD</i>	
	4:15 PM – 4:45 PM	<i>Immune Signatures in T1D Eoin Mckinney PhD -VIRTUAL and Dirk Homann MD</i>	
4:45 PM – 5:15PM	Discussion Session: Hot Topics in Autoimmunity Led by: Simi Ahmed PhD and Eddie James PhD		Atlantica Ballroom
5:15 PM – 6:00 PM	FREE TIME / NETWORKING		----
6:00 PM – 8:00 PM	Poster Session (heavy hors d'oeuvres provided) <i>Sponsored by ProventionBio</i>		Pristina, Verandina and Solaria In-person attendance only
8:00 PM	DINNER (on your own)		----

Wednesday, February 2, 2022 (Half day)

Time	Function	Location
7:00 AM – 8:45 AM	BREAKFAST & CHECKOUT Hotel checkout is 12 PM If checking out today, please bring luggage to the registration table for the remainder of the meeting. Note: Breakfast will only be served from 7:00 AM – 8:00 AM	
8:45 AM – 10:15 AM	Cutting Edge Seminar V: Emerging Technologies Co-Chairs: Amelia Linnemann PhD and Holger Russ PhD	Atlantica Ballroom
8:45 AM – 9:15 AM	<i>Update from the Beta Cell Consortium</i> <i>Kate White PhD</i>	
9:15 AM – 9:45 AM	<i>Islet Function: A Splice of Life</i> <i>Lori Sussell PhD</i>	
9:45 AM – 10:15 AM	<i>Islet on a Chip</i> <i>Ashutosh Agarwal PhD</i>	
10:15 AM – 10:45 AM	Discussion Session V: Emerging Technologies Led by: Amelia Linnemann PhD and Holger Russ PhD	Atlantica Ballroom
10:45 AM – 11:15 AM	BREAK	----
11:15 AM – 12:00 PM	Open-mic discussion session: What did we miss and where should we go? Led by: Alberto Pugliese MD, Carmella Evans-Molina MD, PhD, and Mark Atkinson PhD	

END OF MEETING

A Special Thank You To Our Sponsors

