

nPOD Annual Meeting Agenda
February 23 - 26, 2014 ♦ One Ocean Resort ♦ Atlantic Beach, FL

MEETING GOAL

Previous Annual nPOD Meetings have received much in the way of positive feedback. This year's meeting aims at continuing that tradition, with emphasis on furthering our collaborative research efforts to new levels and engaging you in this process. To learn about how collaborations work, we have one of the country's experts on the topic of "**The Science of Team Science**" giving a lecture on multidisciplinary, international collaborations, their impact in the biomedical field, and how Team Science works. We hope participants will find this format intellectually stimulating and rewarding, and that you will all go home with new information, new ideas, and new friends and collaborators.

The meeting is structured in four major type of interaction formats:

Working group sessions

These sessions will allow to further develop the evolution of the nPOD research model, based on super-structured working groups focused on key topics in T1D research, including the concept of real time data sharing within the new nPOD DataShare program. Key topics of these sessions include:

- Updates and plans from established and newly formed working groups
- Presentation of bioinformatic infrastructure (DataShare), alongside "real use" investigator discussion and feedback that support the working groups
- Analysis of how the groups operate, discussion for improvements, needs, challenges and opportunities

Cutting Edge Seminars

- Presentations from nPOD investigators, to review and discuss progress and findings from nPOD supported projects, or present new projects
 - Presentations from experts on additional scientific topics of interest to nPOD
 - Open discussions following each session

Abstracts

- Abstract presentations from nPOD investigators
 - Poster session for informal discussions

Informal interactions

- Ample breaks and evening events for informal discussions
- Social gathering and recreational activities for unwinding, get to know people and make friends

Guiding questions throughout the conference:

- What are the new questions that can be asked?
 - How do the results diverge from conventional wisdom?
- Is there another sample set that could be used to inform these results?
- What other experiments inside or outside of nPOD should be performed to extend results/analysis
 - Opportunities to work together to better advance science



Time	Function	Location
Sunday, February 23, 2014		
1:00 - 7:00 PM	Registration	Serenoa
3:00 - 5:30 PM	<p style="text-align: center;">Working Group Meetings:</p> <p style="text-align: center;">nPOD-V</p> <p style="text-align: center;">nPOD-Matrix</p> <p style="text-align: center;">nPOD-TCR/Ag</p> <p style="text-align: center;">nPOD- Beta Cell</p>	<p style="text-align: center;">Solaria A</p> <p style="text-align: center;">Conference Room A</p> <p style="text-align: center;">Solaria B</p> <p style="text-align: center;">Conference Room B</p>
6:00 - 7:30 PM	<p style="text-align: center;">Opening Reception (Heavy Hors d'oeuvres)</p> <p style="text-align: center;">Opening Keynote (6:30 - 7:30 pm)</p> <p style="text-align: center;">Speaker Introduction - Alberto Pugliese</p> <p style="text-align: center;">Nashir Contractor</p> <p style="text-align: center;"><i>"The Science of Team Science"</i></p>	Atlantica Ballroom
7:30 - 10:00 PM	Dinner (On your own)	Local Restaurants in Atlantic Beach
Monday, February 24, 2014		
Time	Function	Location
7:30 AM	Registration	Serenoa
7:30 - 8:30 AM	BREAKFAST	Verandina Patio
8:30 - 8:45 AM	<p style="text-align: center;">Welcome & Introductions</p> <p style="text-align: center;">Mark Atkinson, Alberto Pugliese</p> <p style="text-align: center;"><i>The State of nPOD</i></p>	Atlantica Ballroom
8:45 - 9:30 AM	Opening Plenary	Atlantica Ballroom

	<p>Al Powers <i>"Emerging Ideas on the Roles of Beta Cells and Pancreas in Type 1 Diabetes"</i></p>	
9:30 - 10:00 AM	BREAK	Verandina Patio
10:00 - 11:00 AM	<p>Scientific Report from the nPOD-V Group</p> <p>Alberto Pugliese - Overview</p> <p>Sarah Richardson <i>"Enteroviral infection in human type 1 diabetes: correlative evidence from multiple sources in nPOD samples"</i></p> <p>Joe Petrosino <i>Lessons from Task 2: Sequencing studies to identify viruses in nPOD samples</i></p> <p>Richard Lloyd <i>Lessons from Task 5: Strategies for virus amplification from nPOD samples</i></p>	Atlantica Ballroom
11:00 AM - 12:00 PM	<p>Oral Abstract I - Islet Biology & Pancreas Pathology</p> <p>Chairs: Manuela Battaglia & Dale Greiner</p> <p>Ania Skowera <i>"β-cell specific CD8 T cell phenotype in type 1 diabetes reflects chronic persistent autoantigen exposure"</i></p> <p>Guido Sebastiani <i>"MicroRNA profiling of impaired CD4+ T regulatory cells residing in the pancreatic draining lymph-nodes of patients with type 1 diabetes"</i></p> <p>Giacomo Lanzoni <i>"Islets from autoantibody positive donors at risk for diabetes are immature and may be undergoing regeneration or neogenesis"</i></p> <p>Roberto Gianani <i>"Paradoxical increase in beta cell mass from islet autoantibody positive organ donors without diabetes"</i></p>	Atlantica Ballroom
12:00 - 1:00 PM	LUNCH	Verandina Patio
1:00 - 1:15 PM	Group Photo	Beach
1:15 - 2:15 PM	<p>Oral Abstracts II - Islet Biology & Metabolism</p> <p>Chairs: Clayton Mathews & Nora Sarvetnick</p> <p>Richard Oram <i>"A large, population based study demonstrates that most people with long duration Type 1 Diabetes are insulin microsecretors and produce their own endogenous insulin"</i></p>	Atlantica Ballroom

	<p>Marcela Brissova <i>"Distinctive Aspects in Human and Mouse Pancreatic Islet Development"</i></p> <p>Ivan Gerling <i>"Differences in Gene Expression Profiles Between Individual Islets from Case 6213"</i></p> <p>Aharon Helman <i>"p16^{INK4A} expression in pancreatic beta cells mediates increased insulin secretion"</i></p>	
2:15 - 3:45 PM	<p>Cutting Edge Seminar I: Islet Biology / Pancreas Pathology</p> <p>Chairs: Al Powers & Dick Insel</p> <p>Raghu Mirmira <i>"Hypusine: A Marker of Cellular Inflammation"</i></p> <p>Andy Stewart <i>"Defining the Human Beta Cell Transcriptome"</i></p> <p>Eva Korpos <i>"Leukocyte penetration of the peri-islet basement membrane in type 1 diabetes"</i></p>	Atlantica Ballroom
3:45 - 4:15 PM	BREAK	Verandina Patio
4:15 - 4:45 PM	<p>Islet Biology / Pancreas Pathology General Discussion</p> <p>Discussion leaders: Al Powers & Dick Insel</p>	Atlantica Ballroom
4:45 - 5:15 PM	<p>The Pancreas in Human Type 1 Diabetes - Lessons from Exeter</p> <p>Peter In't Veldt, Martha Campbell Thompson, Noel Morgan</p>	Atlantica Ballroom
5:15 - 6:30 PM	BREAK (End of Afternoon)	
6:30 - 9:00 PM	LUAU DINNER	Verandina Patio
Tuesday, February 25, 2014		
Time	Function	Location
7:00 - 8:00 AM	BREAKFAST	Verandina Patio
8:00 - 8:30 AM	<p>Scientific Report from the TCR/Ag Working Group</p> <p>Maki Nakayama & John Kappler</p>	Atlantica Ballroom
8:30 - 9:00 AM	<p>Scientific Report from the Matrix Group</p> <p>Tom Wight, Charmaine Simeonovic, Eva Korpos</p>	Atlantica Ballroom

9:00 - 10:00 AM	<p style="text-align: center;">Oral Abstracts III - Etiopathogenesis</p> <p style="text-align: center;">Chairs: Francesco Dotta & Marco Songini</p> <p style="text-align: center;">Ilma Korponay-Szabo <i>"Transglutaminase Expression and Celiac Disease Antibody Binding in the Pancreas in Diabetes"</i></p> <p style="text-align: center;">Hervé Perron <i>"Hyperglycemia and hypoinsulinemia induced by HERV-W Env in humanized NOD-SCID: an animal model for HERV-W pathogenicity in Type 1 Diabetes?"</i></p> <p style="text-align: center;">Antonio Toniolo / Martina Colombo <i>"RT-PCR Assays for Detecting Enteroviruses in Spleen Samples from the nPOD Collection"</i></p> <p style="text-align: center;">Julius Nyalwidhe <i>"Proteomics and Mass Spectroscopy Strategies for Detecting Viral Proteins in Human Tissues"</i></p>	Atlantica Ballroom
10:00 - 10:30 AM	BREAK	Verandina Patio
10:30 AM - 12:00 PM	<p style="text-align: center;">Cutting Edge Seminar II: Etiopathogenesis</p> <p style="text-align: center;">Chairs: Ken Coppieters & David Leslie</p> <p style="text-align: center;">Pat Concannon <i>"T1D genetics: More insights or just more SNPs?"</i></p> <p style="text-align: center;">Lars Krogvold <i>"The DiViD Study - Pancreatic Biopsies"</i></p> <p style="text-align: center;">Ben Giepmans <i>"EM of virus and/or Islets"</i></p>	Atlantica Ballroom
12:00 - 12:30 PM	<p style="text-align: center;">Etiopathogenesis General Discussion</p> <p style="text-align: center;">Discussion leaders: Ken Coppieters & David Leslie</p>	Atlantica Ballroom
12:30 PM	LUNCH: Pick up box lunch	Verandina Patio
12:45 - 1:00 PM	Meet Group/Transportation for Afternoon Activity	Lobby
1:00 - 5:30 PM	<p style="text-align: center;">Afternoon Activity/Free Time</p> <ul style="list-style-type: none"> - St. Augustine & Alligator Farm - Golf (9 holes; club rentals available) - The Spa at One Ocean - On your own activity (i.e., free time) 	Various Locations
5:30 - 6:00 PM	BREAK	

6:00 - 7:00 PM	<p align="center">Poster Session</p> <p align="center"><i>Wine & Cheese Reception</i></p> <p align="center"><i>Scientific Ambassador & JDRF Ambassador Partnership</i></p>	Solaria
7:00 - 9:00 PM	DINNER (On your own)	Local Restaurants in Atlantic Beach
9:00 - 11:00 PM	<p align="center">Cash Bar/Open Mic: <i>Is Type 1 Diabetes an Autoimmune Disease (and anything else on your mind)?</i></p> <p align="center">Co-hosts: Bart Roep & Olle Korsgren</p>	Verandina Patio

Wednesday, February 26, 2014 (Half day)

Time	Function	Location
7:30 - 8:30 AM	BREAKFAST	Verandina Patio
8:30 - 9:30 AM	<p align="center">Oral Abstracts IV - Immunology & Transplantation</p> <p align="center">Chairs: Lenny Schultz & George Burke</p> <p align="center">[Each Abstract (15 min) = 10 min talk + 5 min Q&A]</p> <p align="center">Teresa Rodriguez-Calvo</p> <p align="center"><i>"Infiltration of the exocrine pancreas is a common pathological feature of human type 1 and type 2 diabetes"</i></p> <p align="center">Oskar Skog</p> <p align="center"><i>"Expression of MHC Class I in Endocrine and Exocrine Pancreatic Tissue at onset of Type 1 Diabetes"</i></p> <p align="center">Bart Roep</p> <p align="center"><i>"Immunohistochemical differentiation of individual donors after multi-donor islet transplantation"</i></p> <p align="center">Garry Fathman</p> <p align="center"><i>"Tissue-specific disease-related gene expression in pre-diabetes"</i></p>	Atlantica Ballroom
9:30 - 10:00 AM	BREAK	Verandina Patio
10:00 - 11:30 AM	<p align="center">Cutting Edge Seminar III: Immunology</p> <p align="center">Chairs: Ron Gill & Matthias von Herrath</p> <p align="center">[3 talks: 25 min each]</p> <p align="center">Jerry Nepom</p> <p align="center"><i>"Redefining T1D Biomarkers?"</i></p> <p align="center">John Cambier</p> <p align="center"><i>"B cells and Type 1 Diabetes"</i></p> <p align="center">Manuela Battaglia</p> <p align="center"><i>"The streetlight effect in T1D research"</i></p>	Atlantica Ballroom

11:30 AM - 12:00 PM	<p style="text-align: center;">Immunology General Discussion</p> <p style="text-align: center;">Discussion Leaders: Ron Gill & Matthias von Herrath</p>	Atlantica Ballroom
12:00 - 12:10 PM	<p style="text-align: center;">NIH HIRN Program</p> <p style="text-align: center;">Olivier Blondel</p>	Atlantica Ballroom
12:10 - 12:20 PM	<p style="text-align: center;">JDRF Perspective</p> <p style="text-align: center;">Dick Insel & Julia Greenstein</p>	Atlantica Ballroom
12:20 - 12:30 PM	<p style="text-align: center;">nPOD Closing Thoughts</p> <p style="text-align: center;">Mark Atkinson & Alberto Pugliese</p>	Atlantica Ballroom
12:30 PM	<p style="text-align: center;">LUNCH: Pick up box lunch</p>	Verandina Patio
END OF MEETING		