



Tentative nPOD Annual Meeting Agenda
January 15-17, 2012
Viceroy Hotel, Miami, FL

Time	Function	Location
Sunday, January 15, 2012		
5:00-7:00 pm	<ul style="list-style-type: none"> • Registration • nPOD-E Meeting (Great Room) 	Foyer near Great Room, 15 th Floor
7:00-9:00 pm	Executive Committee Dinner	EOS Restaurant
Monday, January 16, 2012		
7:30-8:15 am	<ul style="list-style-type: none"> • Registration/Check-in • Continental Breakfast 	Foyer near Great Room, 15 th Floor
8:15-8:30 am	Welcome	Great Room
8:30-10:15 am	<p>Session 1: <u>Viral Etiology</u></p> <p>Chairs: Heikki Hyöty and Noel Morgan</p> <p>Primer Talk: Nora Chapman – Replication Defective Enteroviral Infections: Mechanisms and Implications for Type 1 Diabetes</p> <p>Abstracts:</p> <ol style="list-style-type: none"> 1. Heikki Hyöty – Detection of Enteroviruses in Tissue Samples of Cadaveric Organ Donors with Type 1 Diabetes 2. Sarah Richardson– Detection of Enteroviral Proteins and Cellular Antiviral Responses in the Islets of Type 1 Diabetes Patients - A Comparative Analysis of Two Cohorts 3. Antonio Toniolo – Different Species of Enteroviruses in Peripheral Blood Leukocytes of Children at the Clinical Onset of Type 1 Diabetes <p>Special Presentation: nPOD Viral Workgroup</p> <ol style="list-style-type: none"> 1. Alberto Pugliese – Introduction/Overview of Strategy 2. Sarah Richardson– Update of Collaborative Plans and Ongoing Activities for IHC Studies 3. Joe Petrosino – Update of Collaborative Plans and Ongoing Activities for RNA Studies <p>General Discussion (includes short presentations from posters): <i>Ken Coppieters poster – MHC Class I on Pancreatic Islets from Longstanding Diabetes Patients: Persistent Hyperexpression is Restricted to Type 1 Diabetes and Does Not Correlate with Enteroviral Infection, Infiltration or Insulin Depletion</i></p>	Great Room

Monday, January 16, 2012 (continued)

10:15-10:45 am	Coffee Break/Snack	Foyer near Great Room
10:45 am -12:00 pm	<p>Session 2: <u>Autoantigens, T Cells and TCRs: Human Disease-specific Therapeutic Targets</u></p> <p>Chairs: Bart Roep and Howard Davidson</p> <p>Primer Talk: George Eisenbarth – Defining Primary Trimolecular Complex for Type 1 Diabetes Mellitus</p> <p>Abstracts:</p> <ol style="list-style-type: none"> 1. Ken Coppieters– <i>In-situ</i> Detection of Islet Antigen-specific CD8 T Cells in Insulitic Lesions of New-onset and Long-term Type 1 Diabetes Patients 2. Helena Reijonen – Identification of GAD65 and Proinsulin-specific CD4+ and CD8+ T Cells in Pancreatic Lymph Nodes, Spleen, and PBMC from Subjects with T1D and Islet Autoantibody Positivity 3. Maki Nakayama – 454 Pyro-sequencing of T Cell Receptors Targeting Pancreatic Islets 4. Mercè Martí – Monoclonal Expansions of TCR in a Diabetic Pancreas <p>General Discussion (includes short presentation from poster): <i>Sally Kent poster – Autoreactive B Cells from Spleen and Pancreatic Draining Lymph Nodes from Type 1 Diabetes Subjects</i></p>	Great Room
12:00-1:00 pm	Lunch	Outside Patio, 15 th Floor
1:00-2:45 pm	<p>Session 3: <u>Heterogeneity of Pancreas Pathology and Disease Mechanisms</u></p> <p>Chairs: Matthias von Herrath and George Eisenbarth</p> <p>Primer Talk: Mark Atkinson and Roberto Gianani – Where Did All the Insulitis and Beta Cells Go?</p> <p>Abstracts:</p> <ol style="list-style-type: none"> 1. Dirk Homann – Expression and Regulation of Chemokines in Human Islets and Type I Diabetes 2. Charmaine Simeonovic – Loss of Beta Cell Heparan Sulfate and Expression of Heparanase by Insulitis Mononuclear Cells Correlates with Type 1 Diabetes in Human Pancreas Specimens 3. Marika Bogdani – Specific Extracellular Matrix Components Accumulate in Islets and Lymphoid Tissues of Type 1 Diabetic Patients 4. Yaíma Lightfoot – Down Regulation of Glucokinase and Mitochondrial ATP Synthase in Islets from Type 1 Organ Donors <p>(continued on next page)</p>	Great Room

Monday, January 16, 2012 (continued)

1:00-2:45 pm continued	<ol style="list-style-type: none"> 5. Patrick Rowe– Complement Activation in Type 1 Diabetes: Analysis of Pancreatic Tissue from nPOD Cases 6. Sara Michie – Adhesion Molecules on High Endothelial Venules of Pancreatic Lymph Nodes from Humans with Type 1 Diabetes <p>General Discussion (includes short presentation from poster): <i>Susan Cheung poster – Revelation of Altered Expression of B7-H4: Decrease in Type 1 Diabetes and Increase in Insulinoma</i></p>	
2:45-3:15 pm	Break	Foyer near Great Room
3:15-4:30 pm	<p>Session 4: <u>From Genetics to Gene Expression</u></p> <p>Chairs: Stephen Rich and Mark Anderson</p> <p>Primer Talk: Alberto Pugliese – Regulation of Self-antigen Expression in Relation to Self-tolerance</p> <p>Abstracts:</p> <ol style="list-style-type: none"> 1. Garry Fathman – Disease-dependent and Tissue-specific Changes in Gene Expression in Type 1 Diabetes 2. Eileen McMahon – Identification of Extra-thymic Aire-expressing Cells (eTACs) in Human Tissue and Comparison between Type 1 Diabetic and Non-diabetic Controls <p>General Discussion (includes short presentations from posters): <i>Suna Onengut-Gumuscu poster – ImmunoChip Data on nPOD Samples</i> <i>Ivan Gerling poster – Characterizing Gene Expression in nPOD Donor Islets</i></p>	Great Room
4:30-6:00 pm	End of Afternoon (Break)	On your own
6:00-7:00 pm	Poster Session/Cocktail Hour	East and West Salons
7:00-9:00 pm	Dinner	Outside Patio

Tuesday, January 17, 2012

7:00-7:30 am	Continental Breakfast	Foyer near Great Room, 15 th Floor
7:30-9:00 am	<p>Session 5: <u>What's new at nPOD?</u></p> <p>Chairs: Mark Atkinson, Teo Staeva, and Alberto Pugliese</p> <p>Short Presentations from nPOD Core representatives:</p> <ol style="list-style-type: none"> 1. Martha Campbell-Thompson – OPPC Update 2. Clive Wasserfall – Antibody Screening Strategy Update 3. Jayne Moraski – OPO/Screening Projections and Interactions 4. Suzy Ball – ER/DKA Initiative 5. Webinars/Case Discussions – Amy Wright 6. John Kaddis/Amy Wright – Data Sharing Platforms 7. Mark Atkinson – nPOD-C 8. Carmen Retrum – nPOD-E 9. Alberto Pugliese – nPOD-T 10. Desmond Schatz – Case Classification <p>General Discussion</p>	Great Room, 15 th Floor
9:00-10:45 am	<p>Session 6: <u>Emerging Technologies and Novel Research Avenues</u></p> <p>Chairs: Martha Campbell-Thompson and John Kaddis</p> <p>Primer Talk: Paolo Madeddu – The Bone Marrow in Type 1 Diabetes (includes data from poster – Feasibility of Flow Cytometric Analysis of nPOD Bone Marrow Specimens)</p> <p>Abstracts:</p> <ol style="list-style-type: none"> 1. Todd Brusko – Flow Cytometric Immunophenotyping of nPOD Donors 2. Dale Greiner – Development of T1D in Humanized Mice Engrafted with Tissues from Autoimmune Donors 3. Bart Roep – Quantum Dot MHC Multimers 4. Michael Morran – The Role of IA-2 Extracellular Domain in Type 1 Diabetes Progression 5. Shamina M. Green-Mitchell – <i>In-situ</i> Reduction Coupled with Imaging Mass Spectrometry as a Novel Method for T1D Biomarker Identification in nPOD Tissue Samples 6. Paul Harris– <i>In Vitro</i> Evaluation of Non-specific Binding of the Candidate Beta Cell Mass PET Probe (+) 18F-FP-DTBZ <p>General Discussion</p>	Great Room
10:45-11:15 am		Foyer near Great

	Break	Room
Tuesday, January 17, 2012 (continued)		
11:15-1:00 pm	<p>Session 7: <u>Pancreas and Beta Cell Biology</u></p> <p>Chairs: Susan Bonner-Weir and Roberto Gianani</p> <p>Primer Talk: Peter In't Veld</p> <p>Abstracts:</p> <ol style="list-style-type: none"> 1. Peter Butler – The Pancreatic Duct Gland Compartment in Non-diabetic and Type 1 Diabetic Subjects 2. Chris Rhodes – Formation of a Baseline Pancreatic β-cell Mass in Humans is Completed Early in Life 3. Dan Jacobson – Beta Cells Persist in Some T1DM Pancreata without Attempted Evidence of β-cell Turnover nor Insulin-Glucagon Co-expression 4. Nathalie Fiaschi-Taesch – Cytoplasmic-Nuclear Trafficking of G1/S Cell Cycle Molecules: A Novel and Critical Regulatory Mechanism Controlling Adult Human Beta Cell Replication <p>General Discussion (includes presentation from <i>Roberto Gianani's</i> poster: <i>Residual Beta Cells in Autoimmune Type 1 Diabetes Mellitus</i>)</p>	Great Room
1:00-1:30 pm	<p>Session 8: <u>Wrap-up Discussion</u></p> <p>Chairs: Mark Atkinson, Alberto Pugliese, and Teo Staeva</p> <p>General Discussion</p> <ol style="list-style-type: none"> 1. Data Sharing 2. Working Groups 3. Webinars 4. Investigator Needs/Feedback 5. Future Directions <p>End of Annual Meeting</p>	Great Room
1:30-2:00 pm	<p>Note concurrent sessions below:</p> <p>Box Lunch</p>	Foyer near Great Room
1:30-2:30 pm	Viral Workgroup (Working Lunch)	Club 50 Restaurant
2:00-3:30 pm	Scientific Advisory Board Meeting	Great Room

