



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

Time	Function	Location
<b>Sunday, January 15, 2012</b>		
5:00-7:00 pm	<ul style="list-style-type: none"> <li>• Registration</li> <li>• nPOD-E Meeting (Great Room)</li> </ul>	Foyer near Great Room, 15 <sup>th</sup> Floor
7:00-9:00 pm	Executive Committee Dinner	EOS Restaurant
<b>Monday, January 16, 2012</b>		
7:30-8:15 am	<ul style="list-style-type: none"> <li>• Registration/Check-in</li> <li>• Continental Breakfast</li> </ul>	Foyer near Great Room, 15 <sup>th</sup> Floor
8:15-8:30 am	Welcome	Great Room
8:30-10:15 am	<p><b>Session 1: <u>Viral Etiology</u></b></p> <p><b>Chairs:</b> Heikki Hyöty and Noel Morgan</p> <p><b>Primer Talk:</b> Nora Chapman – Replication Defective Enteroviral Infections: Mechanisms and Implications for Type 1 Diabetes</p> <p><b>Abstracts:</b></p> <ol style="list-style-type: none"> <li>1. Heikki Hyöty – Detection of Enteroviruses in Tissue Samples of Cadaveric Organ Donors with Type 1 Diabetes</li> <li>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</li> <li>3. Antonio Toniolo – Different Species of Enteroviruses in Peripheral Blood Leukocytes of Children at the Clinical Onset of Type 1 Diabetes</li> </ol> <p><b>Special Presentation:</b> nPOD Viral Workgroup</p> <ol style="list-style-type: none"> <li>1. Alberto Pugliese – Introduction/Overview of Strategy</li> <li>2. Sarah Richardson– Update of Collaborative Plans and Ongoing Activities for IHC Studies</li> <li>3. Joe Petrosino – Update of Collaborative Plans and Ongoing Activities for RNA Studies</li> </ol> <p><b>General Discussion</b> (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><b>Session 2: <u>Autoantigens, T Cells and TCRs: Human Disease-specific Therapeutic Targets</u></b></p> <p><b>Chairs:</b> Bart Roep and Howard Davidson</p> <p><b>Primer Talk:</b> George Eisenbarth – Defining Primary Trimolecular Complex for Type 1 Diabetes Mellitus</p> <p><b>Abstracts:</b></p> <ol style="list-style-type: none"> <li>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</li> <li>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</li> <li>3. Maki Nakayama – 454 Pyro-sequencing of T Cell Receptors Targeting Pancreatic Islets</li> <li>4. Mercè Martí – Monoclonal Expansions of TCR in a Diabetic Pancreas</li> </ol> <p><b>General Discussion</b> (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 <sup>th</sup> Floor
1:00-2:45 pm	<p><b>Session 3: <u>Heterogeneity of Pancreas Pathology and Disease Mechanisms</u></b></p> <p><b>Chairs:</b> Matthias von Herrath and George Eisenbarth</p> <p><b>Primer Talk:</b> Mark Atkinson and Roberto Gianani – Where Did All the Insulitis and Beta Cells Go?</p> <p><b>Abstracts:</b></p> <ol style="list-style-type: none"> <li>1. Dirk Homann – Expression and Regulation of Chemokines in Human Islets and Type I Diabetes</li> <li>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</li> <li>3. Marika Bogdani – Specific Extracellular Matrix Components Accumulate in Islets and Lymphoid Tissues of Type 1 Diabetic Patients</li> <li>4. Yaíma Lightfoot – Down Regulation of Glucokinase and Mitochondrial ATP Synthase in Islets from Type 1 Organ Donors</li> </ol> <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"> <li>5. Patrick Rowe– Complement Activation in Type 1 Diabetes: Analysis of Pancreatic Tissue from nPOD Cases</li> <li>6. Sara Michie – Adhesion Molecules on High Endothelial Venules of Pancreatic Lymph Nodes from Humans with Type 1 Diabetes</li> </ol> <p><b>General Discussion</b> (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	<b>Break</b>	Foyer near Great Room
3:15-4:30 pm	<p><b>Session 4: <u>From Genetics to Gene Expression</u></b></p> <p><b>Chairs:</b> Stephen Rich and Mark Anderson</p> <p><b>Primer Talk:</b> Alberto Pugliese – Regulation of Self-antigen Expression in Relation to Self-tolerance</p> <p><b>Abstracts:</b></p> <ol style="list-style-type: none"> <li>1. Garry Fathman – Disease-dependent and Tissue-specific Changes in Gene Expression in Type 1 Diabetes</li> <li>2. Eileen McMahon – Identification of Extra-thymic Aire-expressing Cells (eTACs) in Human Tissue and Comparison between Type 1 Diabetic and Non-diabetic Controls</li> </ol> <p><b>General Discussion</b> (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	<b>End of Afternoon (Break)</b>	On your own
6:00-7:00 pm	<b>Poster Session/Cocktail Hour</b>	East and West Salons
7:00-9:00 pm	<b>Dinner</b>	Outside Patio

## Tuesday, January 17, 2012

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

	Break	Room
Tuesday, January 17, 2012 (continued)		
11:15-1:00 pm	<p><b>Session 7: <u>Pancreas and Beta Cell Biology</u></b></p> <p><b>Chairs:</b> Susan Bonner-Weir and Roberto Gianani</p> <p><b>Primer Talk:</b> Peter In't Veld</p> <p><b>Abstracts:</b></p> <ol style="list-style-type: none"> <li>1. Peter Butler – The Pancreatic Duct Gland Compartment in Non-diabetic and Type 1 Diabetic Subjects</li> <li>2. Chris Rhodes – Formation of a Baseline Pancreatic <math>\beta</math>-cell Mass in Humans is Completed Early in Life</li> <li>3. Dan Jacobson – Beta Cells Persist in Some T1DM Pancreata without Attempted Evidence of <math>\beta</math>-cell Turnover nor Insulin-Glucagon Co-expression</li> <li>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</li> </ol> <p><b>General Discussion</b> (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><b>Session 8: <u>Wrap-up Discussion</u></b></p> <p><b>Chairs:</b> Mark Atkinson, Alberto Pugliese, and Teo Staeva</p> <p><b>General Discussion</b></p> <ol style="list-style-type: none"> <li>1. Data Sharing</li> <li>2. Working Groups</li> <li>3. Webinars</li> <li>4. Investigator Needs/Feedback</li> <li>5. Future Directions</li> </ol> <p><b>End of Annual Meeting</b></p>	Great Room
1:30-2:00 pm	<p><b>Note concurrent sessions below:</b></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

