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| **Sunday, February 21, 2016** | | |
| **Time** | **Function** | **Location** |
| 2:00 PM – 7:00 PM | **REGISTRATION** | Foyer  (*3rd Floor*) |
| 2:30 PM – 5:30 PM | **Working Group Meetings:** |  |
| **nPOD-V**  Led by Alberto Pugliese | Bayview Ballroom  (*2nd Floor*) |
| **nPOD-Matrix**  Led by Tom Wight | Fisher Island  (*2nd Floor*) |
| 5:45 PM – 6:30 PM | **OPENING RECEPTION (Hors d’oeuvres)** | Foyer  (*3rd Floor*) |
| 6:30 PM – 7:30 PM  Session 1 | **Keynote Speaker:**  Speaker Introduction – Alberto Pugliese  **Atul Butte, UCSF**  *“Translating a trillion points of data into therapies, diagnostics, and new precision in medicine”* | Salons E & F  (*3rd Floor*) |
| 7:30 PM | **DINNER (On your own)** | --- |

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| **Monday, February 22, 2016** | | | |
| **Time** | | **Function** | **Location** |
| 7:00 AM | | **REGISTRATION** | Foyer  (*3rd Floor*) |
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| 7:00 AM – 8:00 AM | | **BREAKFAST** | Bayfront Terrace (*1st Floor*) |
| 8:00 AM – 8:30 AM  Session 2 | | **Welcome & Introductions:**  Mark Atkinson & Alberto Pugliese  **Mark Atkinson, University of Florida**  *“The State of nPOD”* | Salons E & F  (*3rd Floor*) |
| 8:30 AM – 9:15 AM  Session 3 | | **George Eisenbarth Memorial Lecture:**  **Gerald Nepom, Benaroya Research Institute**  *“Utilizing Mechanistic Studies to Drive Clinical Trials for the Prevention and Reversal of T1D”* | Salons E & F  (*3rd Floor*) |
| 9:15 AM – 10:45 AM  Session 4 | | **Cutting Edge Seminars I:**  **Lessons from Other Autoimmune Diseases**  **Co-Chairs: Richard Insel & Matthias von Herrath**  [3 talks: 25 min each]  **John Harris, University of Massachusetts**  *“Translational Research in Vitiligo: Launching a New Era of Targeted Treatment”*  **James Krueger, Rockefeller University**  *“Highly successful therapeutic targeting guided by deep phenotyping in a common autoimmune disease”*  **Bana Jabri, University of Chicago**  “*Tissue Mediated Control of Effector T Cell Responses*” | Salons E & F  (*3rd Floor*) |
| 10:45 AM – 11:15 AM | | **BREAK** | --- |
| 11:15 AM – 12:00 PM  Session 5 | | **Discussion Session:**  **Lessons from Other Autoimmune Diseases**  Led by Richard Insel & Matthias von Herrath | Salons E & F  (*3rd Floor*) |
| **Monday, February 22, 2016 (continued)** | | | |
| **Time** | **Function** | | **Location** |
| 12:00 PM - 1:00PM  Session 6 | **Oral Abstracts I:**  **β Cell Biology/β Cells in T1D**  **Co-Chairs: Raghu Mirmira & Chris Rhodes**  [Each Abstract (15 min) = 10 min talk + 5 min Q&A]  **Lina Sui, Columbia University (PI: Dieter Egli)**  *“Understanding Beta Cell Dysfunction Using Human Induced Pluripotent Stem Cells”*  **Carol Lam, Baylor College of Medicine (PI: Jake Kushner)**  *“Novel Highly Proliferative Islet Endocrine Cell Population in Human Pancreata”*  **May Sanyoura, University of Chicago (PI: Siri Greeley)**  *“The Histology of Monogenic Diabetes”*  **Teresa Rodriguez-Calvo, La Jolla Institute for Allergy and Immunology (PI: Matthias von Herrath)**  *“Increase in Insulin Positive Area and Beta Cell Function during the Pre-diabetic Phase in Type 1 Diabetes”* | | Salons E & F  (*3rd Floor*) |
| 1:00 PM – 2:00 PM | **LUNCH** | | Bay Front Terrace  (*1st Floor*) |
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| 2:00 PM – 3:45 PM  Session 7 | **Cutting Edge Seminars II: Immunology/Inflammation**  **Co-Chairs: Alberto Pugliese & Manuela Battaglia**  [4 talks: 25 min each]  **Emil Unanue, Washington University**  *“Nature of Insulin Presentation in Islets”*  **John Kappler, National Jewish Health**  *“Creating CD4 T cell super agonists from pro-insulin in*  *human and mouse T1D”*  **Thomas Delong, UC Denver**  *“Identification of Hybrid Insulin Peptides in beta-cell Extracts”*  **Décio Eizirik, Université libre de Bruxelles**  *“Viral Infections and Type 1 Diabetes – Why the Beta Cells?”* | | Salons E & F  (*3rd Floor*) |
| **Monday, February 22, 2016 (continued)** | | | |
| **Time** | **Function** | | **Location** |
| 3:45 PM – 4:15 PM  Session 8 | **Discussion Session:**  **Immunology/Inflammation**  Led by Alberto Pugliese & Manuela Battaglia | | Salons E & F  (*3rd Floor*) |
| 4:15 PM – 5:15 PM  Session 9 | **Oral Abstracts II:**  **Etiology of Type 1 Diabetes**  **Co-Chairs: Garry Fathman & Michael Clare-Salzler**  [Each Abstract (15 min) = 10 min talk + 5 min Q&A]  **Éva Korpos, University of Muenster (PI: Lydia Sorokin)**  *“The Peri-islet basement membrane is a barrier to islet infiltrating leukocytes in transplanted human pancreases”*  **Ivan Gerling, University of Tennessee Health Science Center**  *“T1D Pathogenesis: Four Interacting Pathologies Ganging up on the Beta-cells?”*  **Florence Anquetil, La Jolla Institute for Allergy and Immunology (PI: Matthias von Herrath)**  “*In Situ Detection of IDO1 and IL-6 within Pancreatic Islets from Diabetic Subjects as a Biomarker for T1D Patients”*  **Oskar Skog, Uppsala University (PI: Olle Korsgren)**  *“Expression of Interferon-Stimulated Genes in Insulitic Islets of Patients Recently Diagnosed with Type 1 Diabetes”* | | Salons E & F  (*3rd Floor*) |
| 5:15 PM – 6:45 PM | **Working Group Meeting:**  **nPOD-Autoimmunity**  Led by Alberto Pugliese, Todd Brusko,  Sally Kent & Maki Nakayama | | Watson Island  (*2nd Floor*) |
| 7:00 PM – 9:30 PM  Session 10 | **DINNER & AWARDS CEREMONY:**  **nPOD’s Got Talent** | | Lower Pool Deck  (*5th Floor*) |

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| **Tuesday, February 23, 2016** | | |
| **Time** | **Function** | **Location** |
| 7:00 AM – 8:00 AM | **BREAKFAST** | Bay Front Terrace  (*1st Floor*) |
| 8:00 AM – 8:45 AM  Session 11 | **nPOD Plenary Lecture:**  **Eoin McKinney, University of Cambridge**  *“The Role of T Cell Exhaustion in Autoimmunity”* | Salons E & F  (*3rd Floor*) |
| 8:45 AM – 9:45 AM  Session 12 | **Oral Abstracts III:**  **Immunology**  **Co-Chairs: Bart Roep & John Cambier**  [Each Abstract (15 min) = 10 min talk + 5 min Q&A]  **Mia Smith, University of Colorado-Denver (PI: John Cambier)**  *“Association of the Loss of Anergic, High Affinity Insulin Reactive B Cells with Genetic Risk Alleles in Development of Type 1 Diabetes”*  **Linda Yip, Stanford University (PI: C. Garrison Fathman)**  *“Gene Expression Analysis to Examine the Pathogenesis of Type 1 Diabetes and Identify Biomarkers of Disease Risk and Progression”*  **Sarah Richardson, University of Exeter (PI: Noel Morgan)**  *“Islet Cell Hyperexpression of Class I HLA in Type 1 Diabetes Correlates with the Selective Upregulation of STAT1 in Beta Cells”*  **Manuela Battaglia, San Raffaele Diabetes Institute**  *“Identification of Key Immune Cell Populations in Type 1 Diabetes”* | Salons E & F  (*3rd Floor*) |
| 9:45 AM – 10:15 AM | **BREAK** | --- |

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| **Tuesday, February 23, 2016 (continued)** | | |
| **Time** | **Function** | **Location** |
| 10:15 AM – 11:45 AM  Session 13 | **Cutting Edge Seminars III:**  **Islets/β Cells/Pancreas**  **Co-Chairs: Jake Kushner & Rohit Kulkarni**  [3 talks: 25 min each]  **Pedro Herrera, University of Geneva**  *“ Alpha/Beta Cells* ”  **Susan Bonner-Weir, Joslin Diabetes Center**  *“The Influence of Age in Islet Development: with Emphasis on Postnatal Development”*  **Al Powers, Vanderbilt University**  *“The Influence of Age on Pancreas Development”* | Salons E & F  (*3rd Floor*) |
| 11:45 AM – 12:30 PM  Session 14 | **Discussion Session:**  **Islets/β Cells/Pancreas**  Led by Jake Kushner & Rohit Kulkarni | Salons E & F  (*3rd Floor*) |
| 12:30 PM – 1:30 PM | **LUNCH** | Bay Front Terrace  (*1st Floor*) |
| 1:00 PM – 2:00 PM | **Islet Pilot Investigators Meeting**  Led by Clayton Mathews | Fisher Island  (*3rd Floor*) |
| 1:30 PM – 5:00 PM | **OPTIONAL FREE TIME**  (e.g., private meetings, use of hotel amenities, individual travel to Miami Beach) | --- |
| 2:00 PM – 4:00 PM  Session 15 | **Meet the Professor Session:**  **Aldo Rossini**  *For trainees and young investigators only!!!* | Bal Harbour Island  (*3rd Floor*) |
| 2:00 PM – 4:00 PM | **ITN Consortium Meeting**  Led by Mario Ehlers | Watson Island  (*2nd Floor*) |
| 2:00 PM – 4:00 PM | **Working Group Meeting:**  **nPOD-Omics**  Led by Garry Fathman & Linda Yip | Bayview Ballroom  (*2nd Floor*) |
| 5:00 PM – 8:00 PM  Session 16 | **Poster Session (Light hors d’oeuvres)**  NOTE: Will be divided in two 90-minute sessions  for poster presenters | Salons A/B/C/D/G/H/J/K  (*3rd Floor*) |
| 8:00 PM | **DINNER (On your own)** | --- |

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| **Wednesday, February 24, 2016 (Half day)** | | | | |
| **Time** | | **Function** | **Location** | |
| 7:00 AM – 8:00 AM | | **BREAKFAST** | Bay Front Terrace  (*1st Floor*) | |
| 8:00 AM – 9:30 AM  Session 17 | | **Cutting Edge Seminars IV:**  **The Pancreas/GI System in Type 1 Diabetes**  **Co-Chairs: Martha Campbell-Thompson & Dirk Homann**  [3 talks: 25 min each]  **Shannon Wallet, University of Florida**  *“Contribution of Innate Immunity within the GI Track to Environmental Triggering of T1D”*  **Jason Gaglia, Joslin Diabetes Center**  *“Imaging ß-cell inflammation”*  **Peter Butler, UCLA**  *“The Mitochondrial Network for Beta Cells in T1D”* | Salons E & F  (*3rd Floor*) | |
| 9:30 AM – 10:00 AM  Session 18 | | **Discussion Session:**  **The Pancreas/GI System in Type 1 Diabetes**  Led by Martha Campbell-Thompson & Dirk Homann | Salons E & F  (*3rd Floor*) | |
| 10:00 AM – 10:30 AM | | **BREAK** | --- | |
| 10:30 AM – 11:00 AM  Session 19 | | **Oral Abstracts IV:**  **Late Breaking Abstracts**  **Co-Chairs: Maria Koulmanda & David Harlan**  [Each Abstract (15 min) = 10 min talk + 5 min Q&A]  **Christina Graves, University of Florida (PI: Shannon Wallet)**  *“Lack of TLR5-Mediated Intestinal Epithelial Cell Homeostasis Induces Expansion of Pathogenic T Effectors in Type 1 Diabetes: Can Butyrate Come to the Rescue?”*  **Noel Morgan, University of Exeter**  *“Differential insulitic profiles determine the extent of beta-cell destruction and the age at onset of type 1 diabetes”* | Salons E & F  (*3rd Floor*) | |
| 11:00 AM – 11:45 AM  Session 20 | | **The Heterogeneity of Type 1 Diabetes:**  Desmond Schatz, University of Florida  Richard Oram, University of Exeter | Salons E & F  (*3rd Floor*) | |
| **Wednesday, February 24, 2016 (continued)** | | | | |
| **Time** | | **Function** | | **Location** |
| 11:45 AM – 12:10 PM  Session 21 | | **Islet Pilot Update:**  Clayton Mathews | | Salons E & F  (*3rd Floor*) |
| 12:10 PM – 12:30 PM  Session 22 | | **Looking Forward:**  **Alberto Pugliese, University of Miami**  *What critical questions about type 1 diabetes or beta cell function could nPOD be addressing and how?* | | Salons E & F  (*3rd Floor*) |
| 12:30 PM – 12:40 PM  Session 23 | | **Update on the NIH HIRN Program: Interactions with nPOD**  Olivier Blondel | | Salons E & F  (*3rd Floor*) |
| 12:40 PM – 12:50 PM  Session 24 | | **Helmsley Charitable Trust Perspective**  Gina Agiostratidou | | Salons E & F  (*3rd Floor*) |
| 12:50 PM – 1:00 PM  Session 25 | | **JDRF Perspective**  Richard Insel & Julia Greenstein | | Salons E & F  (*3rd Floor*) |
| **END OF MEETING** | | | | |

**We value your feedback.**

**Please fill out the meeting survey at the end of this booklet (green page) and return it to the registration table for a departing gift.**

**Thank you for attending!**