



Sunday, February 22, 2015		
Time	Function	Location
2:00 – 6:30 PM	Registration	5 th Floor Foyer
3:00 – 5:30 PM Session 1	Working Group Meetings: nPOD-V (Led by Alberto Pugliese)	South Terrace
	nPOD-Matrix (Led by Tom Wight)	Executive Board Room 1
	nPOD-T Cell (Led by Maki Nakayama & John Kappler)	Executive Board Room 3
6:00 – 6:45 PM	Opening Reception (Hors d'oeuvres)	King Charles
6:45 – 7:30 PM Session 2	Opening Keynote Speaker Introduction – Alberto Pugliese Noshir Contractor <i>“The Science of Team Science”</i>	King Charles
7:30 PM	DINNER (On your own, many local choices)	

Monday, February 23, 2015		
Time	Function	Location
7:00 AM	Registration	5 th Floor Foyer
7:00 – 8:00 AM	BREAKFAST	South Terrace
8:00 – 8:15 AM Session 3	Welcome & Introductions Mark Atkinson, Alberto Pugliese Derek Rapp, JDRF CEO	King Charles
8:15 – 9:00 AM Session 4	Opening Plenary Ezio Bonifacio <i>“Emerging Views on Type 1 Pathogenesis”</i>	King Charles
9:00 – 10:30 AM Session 5	Cutting Edge Seminar I: Mechanisms of β Cell Stress/Dysfunction Co-Chairs: Raghu Mirmira & Richard Insel [3 talks: 25 min each] Clayton Mathews <i>“Beta cell stress in the type 1 diabetic pancreas”</i> Yuval Dor <i>“Postnatal growth and failure of beta cells”</i> Jerry Nadler <i>“The 12-lipoxygenase pathway as a novel target to reduce inflammatory beta cell stress”</i>	King Charles
10:30 – 11:00 AM	BREAK	
11:00 – 11:30 AM Session 6	Mechanisms of β Cell Stress/Dysfunction Discussion Discussion leaders: Raghu Mirmira & Richard Insel	King Charles

Time	Monday, February 23, 2015 (continued) Function	Location
11:30 AM – 12:30 PM Session 7	<p>Oral Abstracts I – β Cell Biology/β Cells in T1D</p> <p>Chair: Yuval Dor [Each Abstract (15 min) = 10 min talk + 5 min Q&A]</p> <p>Lars Krogvold <i>“Gene expression differences in laser-captured human islets between newly diagnosed type 1 diabetic patients from the DiViD study and non-diabetic control from nPOD”</i></p> <p>Charmaine Simeonovic <i>“Intracellular heparin sulfate (HS) is a more sensitive marker of beta cell demise during T1D progression than insulin or heparin sulfate proteoglycan (HSPG) core protein”</i></p> <p>Harini Chakravarthy <i>“Generation of insulin producing β-cells in vivo from adult islet α-cells”</i></p> <p>Mihaela Stefan <i>“Epigenetic modifications induced by interferon-alpha in human islets modulate expression at type 1 diabetes associated loci”</i></p>	King Charles
12:30 – 1:30 PM	LUNCH	South Terrace
1:30 – 1:45 PM	GROUP PHOTO	Beach
1:45 – 3:15 PM Session 8	<p>Cutting Edge Seminar II: Immunology / Pancreas Pathology</p> <p>Co-Chairs: Manuela Battaglia & David Serreze [3 talks: 25 min each]</p> <p>Ken Coppieters <i>“IL-21/IL-21R and GLP-1R staining on pancreas tissues from (pre-)T1D, T2D and control donors”</i></p> <p>Teresa Rodriguez-Calvo <i>“Increased immune cell infiltration of the exocrine pancreas, food for thought”</i></p> <p>Bart Roep <i>“The scent of a frazzled beta cell”</i></p>	King Charles

Time	Monday, February 23, 2015 (continued) Function	Location
3:15 – 3:45 PM Session 9	Immunology /Pancreas Pathology Discussion Discussion leaders: Manuela Battaglia & David Serreze	King Charles
3:45 – 5:00 PM Session 10	Oral Abstracts II – Etiopathogenesis Co-Chairs: Stephen Rich & Dale Greiner [Each Abstract (15 min) = 10 min talk + 5 min Q&A] Ben Giepmans <i>“Nanotomy of human Islets of langerhans and identification of viruses”</i> Marika Bogdani <i>“Altered extracellular matrix in pancreatic islets of autoantibody-positive donors”</i> Jutta Laiho <i>“Detection of enteroviruses and correlation with inflammation markers and transglutaminase-2-specific IgA deposition in duodenum samples of nPOD donors”</i> Linda Yip <i>“Gene expression profiling of the pancreas to identify candidate genes involved in the pathogenesis of type 1 diabetes”</i> Laura Nigi <i>“Pancreatic characterization of inflammatory molecules in human T1D”</i>	King Charles
5:00 – 6:00 PM Session 11	nPOD-V Working Group Report	King Charles
7:00 – 9:00 PM Session 12	DINNER & AWARDS CEREMONY Graeme Bell <i>“Not all type 1 diabetes patients are created equal”</i>	Beach Pavilion

Tuesday, February 24, 2015		
Time	Function	Location
7:00 – 8:00 AM	BREAKFAST	South Terrace
8:00 – 10:00 AM Session 13	<p>Cutting Edge Seminar III: Etiopathogenesis and Natural History</p> <p>Co-Chairs: Matthias von Herrath & Ezio Bonifacio [4 talks: 25 min each]</p> <p>Richard Oram <i>“Clinical and scientific relevance of persistent C-peptide in type 1 diabetes”</i></p> <p>Stephen Rich <i>“From GWAS to genes and beyond in type 1 diabetes”</i></p> <p>Olle Korsgren <i>“Lessons learned from biopsies from subjects with recent onset Type 1 Diabetes”</i></p> <p>Noel Morgan <i>“Hallmarks of disease in human islet cells in type 1 diabetes”</i></p>	King Charles
10:00 – 10:30 AM	BREAK	
10:30 – 11:00 AM Session 14	<p>Etiopathogenesis and Natural History General Discussion</p> <p>Discussion leaders: Matthias von Herrath & Ezio Bonifacio</p>	King Charles
11:00 AM – 12:00 PM Session 15	<p>Oral Abstracts III – Immunology</p> <p>Co-Chairs: Garry Fathman & John Cambier [Each Abstract (15 min) = 10 min talk + 5 min Q&A]</p> <p>Marcela Brissova <i>“Functional and molecular analysis of pancreatic islets from a 12-year-old female with 3 years of type 1 diabetes”</i></p> <p>Abby Willcox <i>“Differential architecture and germinal center formation in pancreatic lymph nodes from donors with recent onset and longstanding type 1 diabetes”</i></p> <p>Shiva Reddy <i>“Up-regulation of markers of pro-inflammatory cytokine-beta cell stress axis during type 1 diabetes”</i></p> <p>Shannon Wallet <i>“The intestinal epithelial interface in type-1 diabetes – where miscommunication begins”</i></p>	King Charles

Tuesday, February 24, 2015 (continued)		
Time	Function	Location
12:00 – 1:00 PM	LUNCH	South Terrace
1:00 – 2:30 PM Session 16	<p>Cutting Edge Seminar IV: β Cells</p> <p>Co-Chairs: Andrew Stewart & Olivier Blondel [3 talks: 25 min each]</p> <p>Jake Kushner <i>“Interrogating the regenerative capacity of human beta cells in patients with type 1 diabetes”</i></p> <p>Dieter Egli <i>“Understanding diabetes using stem cells”</i></p> <p>Peter Arvan <i>“What limits insulin production capacity?”</i></p>	King Charles
2:30 – 3:00 PM Session 17	<p>β Cells General Discussion</p> <p>Discussion leaders: Andrew Stewart & Olivier Blondel</p>	King Charles
3:00 – 6:00 PM	FREE TIME	
6:00 – 8:00 PM Session 18	<p>Poster Session</p> <p>(Light hors d'oeuvres)</p>	Del Prado
8:00 PM	DINNER (On your own, many local choices)	

Wednesday, February 25, 2015 (Half day)

Time	Function	Location
7:00 – 8:00 AM	BREAKFAST	South Terrace
8:00 – 9:15 AM Session 19	<p align="center">Oral Abstracts IV – Late Breaking Abstracts Co-Chairs: Leonard Shultz & Todd Brusko [Each Abstract (15 min) = 10 min talk + 5 min Q&A]</p> <p align="center">Malin Flodström-Tullberg <i>"The IFIH1 rs1990760 polymorphism regulates the human pancreatic islet anti-viral response to enterovirus infection"</i></p> <p align="center">Sarah Richardson <i>"Low B-lymphocyte numbers within the insulitic lesion correlates with an elevated proportion of persisting β-cells and later onset of disease in patients with type 1 diabetes"</i></p> <p align="center">Maki Nakayama <i>"Tracing T cell receptor sequences infiltrating pancreas tissues transplanted in patients having type 1 diabetes"</i></p> <p align="center">Sahil Virdi <i>"Assessment of memory T cells in nPOD pancreata with insulitis"</i></p> <p align="center">Martha Campbell-Thompson <i>"Three-Dimensional High-Resolution Imaging of Human Islets in Type 1 Diabetes"</i></p>	King Charles
9:15 – 9:45 AM	BREAK	
9:45 – 11:45 AM Session 20	<p align="center">Cutting Edge Seminar V: β Cells Co-Chairs: Martha Campbell-Thompson & Clayton Mathews [4 talks: 25 min each]</p> <p align="center">Marcela Brissova <i>"Human islet formation, plasticity and function from fetus to 10 years of age"</i></p> <p align="center">Andrew Stewart <i>"Novel approaches to induction of human beta cell proliferation for diabetes"</i></p> <p align="center">Ivan Gerling <i>"Molecular systems biology of laser-captured islets"</i></p> <p align="center">Fred Levine <i>"Islet-cell neogenesis in mouse and man"</i></p>	King Charles

Wednesday, February 25, 2015 (continued)

Time	Function	Location
11:45 AM – 12:15 PM Session 21	β Cells General Discussion Discussion Leaders: Martha Campbell-Thompson & Clayton Mathews	King Charles
12:15 – 12:30 PM Session 22	JDRF Perspective Richard Insel & Julia Greenstein	King Charles
12:30 – 12:45 PM Session 23	NIH HIRN Program Olivier Blondel	King Charles
12:45 – 1:00 PM Session 24	nPOD Closing Thoughts Mark Atkinson & Alberto Pugliese	King Charles

END OF MEETING