

Oral Program

Sunday, January 22, 2017

12:00	Registration <i>Lower Promenade</i>
14:00-14:10	Welcome and Opening Remarks <i>Jasmine Room</i> Chairs: <i>S. Daunert, C. Wahlestedt, S. Nimer, J. Guinovart [14:00 – 14:10]</i>
14:10-14:30	Introduction: Resetting the Inflammatory-Immune Response for Replacement and Regenerative Strategies in Diabetes: Progress and Challenges of the Path to a Cure <i>C. Ricordi, University of Miami Miller School of Medicine, USA</i>
14:30-18:15	Session 1: Diabetes Type 1 Immunology <i>Jasmine Room</i> Chairs: <i>A. Azzi and C. Wahlestedt [14:30 - 17:25]</i> Chairs: <i>C. Moraes and P. Buchwald [17:25-18:15]</i>
14:30-15:20	Feodor Lynen Lecture [K01] Immunoregulation in T1D <i>C. Benoist, Harvard Medical School Boston, USA</i>
15:20-16:00	[INV01] The Pathogenesis of Human Type 1 Diabetes - A Disease of the Immune System, Beta Cells and Pancreas <i>M. A. Atkinson, University of Florida, USA</i>
16:00-16:30	Coffee break <i>Hibiscus Room / Upper & Lower Promenade</i>
16:30-17:10	[INV02] Targeting Inflammation in the Treatment of Type 2 Diabetes <i>M. Y. Donath, University Hospital Basel, Switzerland</i>
17:10-17:25	[Spotlight 01] Effects of Inflammation, Hypoxia, and High Glucose on Isolated Pancreatic Islets and Islet Function: A Metabolomics Study <i>P. Buchwald*, M. Garcia-Contreras, A. Tamayo-Garcia, C.L. Stabler, C. Ricordi, University of Miami, USA</i>
17:25-18:15	Feodor Lynen Lecture [K02] Modulation of T1D by the Intestinal Microbiota <i>D. Mathis, Harvard Medical School, USA</i>
18:15-19:15	Drinks Reception & Networking <i>Riverwalk Terrace</i>

Monday, January 23, 2017

09:00-09:30	Welcome from Julio Frenk, President of The University of Miami <i>Jasmine Room</i>
09:30-13:05	Session 2: Beta Cell Biology <i>Jasmine Room</i> Chairs: <i>M. Toborek and J. Hare [09:30-10:20]</i> Chairs: <i>M. Toborek and A. Surolia [10:20-13:05]</i>
09:30-10:20	UBMB Foundation Award [K03] Making Beta Cells for Diabetics <i>D.A. Melton, Howard Hughes Medical Institute, USA</i>
10:20-11:00	[INV03] Targeting miRNAs and RNA Binding Proteins for the Treatment of Diabetes and Related Diseases <i>M. Stoffel, Swiss Federal Institute of Technology, Switzerland</i>
11:00-11:30	Coffee break <i>Hibiscus Room / Upper & Lower Promenade</i>
11:30-12:10	[INV04] When Beta Cells Fail: Lessons from Dedifferentiation <i>D. Accili, Columbia University, USA</i>
12:10-12:25	[Spotlight 02] Oxidizer Status Measured as RNA Oxidation is Predictive for Survival in Type 2 Diabetes <i>H.E. Poulsen, University of Copenhagen, Denmark</i>
12:25-13:05	[INV05] Metabolomics for Defining Cardiometabolic Disease Mechanisms and Targets <i>C. B. Newgard, Duke University School of Medicine, USA</i>
13:05-14:30	Lunch and Poster Session 1 <i>Hibiscus Room / Upper & Lower Promenade</i>

14:30-18:25	Session 3: Genetics of Type 1 and 2 Diabetes Jasmine Room Chair: A. Barrientos and A. A. Azzi [14:30- 18:25]	
14:30-15:20	Distinguished Service Award [K04] Humanizing Drug Discovery D. Altshuler, <i>Vertex Pharmaceuticals, USA</i>	
15:20-16:00	[INV06] Noncoding genome function in pancreas development and disease J. Ferrer, <i>Imperial College London, UK</i>	
16:00-16:40	[INV07] Liver Glycogen, a Novel Target to Treat Diabetes and Obesity J.J. Guinovart ^{*1,2,3} , ¹ <i>The Barcelona Institute of Science and Technology (BIST), Spain</i> , ² <i>CIBERDEM, Spain</i> , ³ <i>University of Barcelona, Spain</i>	Sponsored by WILEY
16:40-17:30	Coffee break and Poster Session 1 continued <i>Hibiscus Room / Upper & Lower Promenade</i>	
17:30-17:45	[Spotlight 03] Occludin Regulates Glucose Uptake and ATP Production in Blood-Brain Barrier Pericytes by Influencing AMPK Activity V. Castro, J. Lombardi, J. He, N. Seth, M. Toborek*, <i>University of Miami, USA</i>	
17:45-18:25	[INV08] (Epi) Genomics of Type 2 Diabetes and Metabolic Complications P. Froguel ^{1,2} , ¹ <i>Imperial College London, UK</i> , ² <i>CNRS/Pasteur Institute Lille, France</i>	
19:30	Conference Dinner Cruise (separate ticket required)	
Tuesday, January 24, 2017		
09:00-12:50	Session 4: Insulin Signaling in Type 2 Diabetes Jasmine Room Chairs: N. Emambokus and C. Wahlestedt [09:00-10:30] Chairs: D. Jayaweera and C. Wahlestedt [11:00-12:35]	
09:00-09:50	Special Achievement Award [K05] The Role of Ectopic Lipid and Inflammation in the Pathogenesis of Insulin Resistance and Type 2 Diabetes G. I. Shulman, <i>Yale University School of Medicine, USA</i>	
09:50-10:30	[INV09] A Natural Body Window to Pancreatic Islet Cell Signal-Transduction P-O. Berggren, <i>Karolinska Institute, Sweden</i>	
10:30-11:00	Coffee break <i>Hibiscus / Upper & Lower Promenade</i>	
11:00-11:40	[INV10] Effect of Diabetes on Endothelial Cell Signaling L. Iruela-Arispe, <i>University of California – Los Angeles, USA</i>	
11:40-11:55	[Spotlight 04] Coding and Non-coding RNA: Predicting Variations in Human Insulin Resistance Before and After Intervention J.A. Timmons ^{1*} , K.J. Szkop ¹ , S. Sood ¹ , B.E. Phillips ² , C.A. Slentz ³ , I.J. Gallagher ⁴ , P.J. Atherton ³ , W.E. Kraus ⁴ , O. Rooyackers ⁵ , T. Gustaffson ⁵ , ¹ <i>King's College London, UK</i> , ² <i>Royal Derby Hospital, UK</i> , ³ <i>Duke University, USA</i> , ⁴ <i>Stirling University, UK</i> , ⁵ <i>Karolinska Institutet, Sweden</i>	
11:55-12:35	[INV11] Toward Metabolic Precision Medicines for Obesity and Type 2 Diabetes M. Tschöp, <i>Helmholtz Zentrum Munich, Germany</i>	
12:35-14:00	Lunch and Poster Session 2 <i>Hibiscus Room / Upper & Lower Promenade</i>	
14:00-17:55	Session 5: Fat Cells and Diabetes Jasmine Room Chairs: J. Guinovart and F. Bonomi [14:00-14:50] Chairs: A. Azzi and F. Fontanesi [14:50-16:10] Chairs: A. Azzi and B. Soria [17:00-17:55]	
14:00-14:50	IUBMB Award [K06] Brown and Beige Fat: Basic Biology and New Pathways Toward Therapeutics B. Spiegelman ^{1,2} , ¹ <i>Dana Farber Cancer Institute, USA</i> , ² <i>Harvard Medical School, USA</i>	
14:50-15:30	[INV12] Metabolic Regulation in Muscle and Adipose Tissue S. Enerbäck, <i>University of Gothenburg, Sweden</i>	
15:30-16:10	[INV13] The Central Role of the Adipocyte in Systemic Energy Homeostasis P. E. Scherer, <i>The University of Texas Southwestern Medical Center, USA</i>	

16:10-17:00	Coffee break and Poster Session 2 continued Hibiscus Room / Upper & Lower Promenade
17:00-17:15	[Spotlight 05] Islet Transplantation onto the Omentum within a Resorbable Biologic Scaffold D.A. Baidal, C. Ricordi, D.M. Berman, A. Alvarez, N. Padilla, G. Ciancio, E. Linetsky, A. Pileggi, R. Alejandro*, <i>University of Miami, Diabetes Research Institute, USA</i>
17:15-17:55	[INV14] Lipid Dynamics in Brown Fat-Mediated Thermogenesis and Energy Metabolism Y-H. Tseng, <i>Harvard Medical School, USA</i>
19:00	Student Party (invite only)
Wednesday, January 25, 2017	
09:00-13:00	Session 6: Diabetes Complications and Cures Jasmine Room Chairs: Z-J. Liu and A. Saluja [09:00-09:50] Chairs: J. El Hokayem and C. Ricordi [09:50-13:00]
09:00-09:50	Lifetime Achievement Award [K07] Diabetic Vascular Complications: Risk Factors vs. Protective Factors G.L. King, <i>Harvard Medical School, USA</i>
09:50-10:30	[INV15] Metabolic surgery: Mechanisms and use of "Bariatric" operations to treat type 2 diabetes D.E. Cummings, <i>University of Washington, USA</i>
10:30-10:35	Poster Prize Presentation
10:35-11:00	Coffee break Hibiscus Room / Upper & Lower Promenade
11:00-11:40	[INV16] From the Edges to the Depths of the Retina: Changing the Care of Diabetic Eye Disease through Advanced Retinal Imaging L.P. Aiello, P. S. Silva, J. K. Sun, <i>Harvard Medical School, USA</i>
11:40-12:20	[INV17] Hyperglycemic Variability, Metabolic Memory, and Diabetic Complications M. Brownlee, <i>Albert Einstein College of Medicine, USA</i>
12:20-13:00	[INV18] Systems Biology Driven Molecular Target Identification in Diabetic Kidney Disease Across Disciplines and Continents M. Kretzler, <i>University of Michigan Health System, USA</i>
13:00-13:10	Closing Remarks
13:10-14:10	Farewell Reception Hibiscus Room / Upper & Lower Promenade
14:00-15:30	Author Workshop: Scientific Publishing – A Practitioner's Perspective Jasmine Room S. Morin, Managing Editor, <i>Molecular Metabolism</i> T. Schwarz-Romond, Executive Publisher, <i>Elsevier</i>