Timetable

KS: Keynote Speaker IS: Invited Speaker CT: Contributed Talk ST: Sponsored Talk

Wednesday, 11 of June, 2025

11:00–11:50	**Registration**		
11:50–12:00	**Opening words & welcome remarks**		
	Session 1: Genomics of islet cells Chair: James Johnson University of British Columbia		
12:00–12:30	IS	**Amélie Bonnefond** University of Lille	Functional genetics of rare diabetes-associated variants illuminates islet pathophysiology
12:30–13:00	IS	**Rohit Kulkarni** Harvard University	The role of Epitranscriptomics in regulating metabolism
13:00–13:30	IS	**Torben Hansen** University of Copenhagen	Uncovering Genetic and Molecular Drivers of Insulin Secretion and Diabetes: Insights from Arctic Populations to Early Childhood
13:30–13:45	CT	**Sara Bsharat** Lund University	Identification of novel MAFB target genes in endocrine progenitor cells
13:45–14:00	CT	**Benoit Hastoy** University of Oxford	Artificial Intelligence (AI) identified Type 2 Diabetes targets Semaphorin 3E (SEMA3E) and Neuropilin-1 (NRP1) alter pancreatic islet secretory function
14:00–14:30	**Coffee**		
	Session 2: Metabolism in islet cells Chair: Guy Rutter University of Montreal		
14:30–15:00	IS	**David Hodson** University of Oxford	The belt and braces of glucose metabolism in pancreatic β cells
15:00–15:30	IS	**Jakob Grunnet Knudsen** University of Copenhagen	Glucose and Glucagon – is it all about metabolism?
15:30–16:00	IS	**Hindrik Mulder** Lund University	Acyl-CoA synthetase (*ACSL1*) is key regulator of insulin secretion and a pathogenetic factor in Type 2 Diabetes
16:00–16:15	CT	**Emil Z. Skovhøj** University of Copenhagen	Diabetes risk gene *KCNQ1* modulates pancreatic beta-cell sensitivity to age and metabolic stress
16:15–16:30	CT	**Matthew Lloyd** University of Oxford	Chronic glucokinase activation impairs pancreatic beta cell function under euglycaemic conditions
16:30–16:40	ST	**Hilda Ahnstedt**	Breakthrough T1D
16:40–16:55	**Coffee**		
16:55–17:50	**Poster session 1** Chair: Gustavo Santos Federal University of Santa Catarina		

17:50–18:45	**Poster session 2** Chair: Rashmi Prasad Lund University
18:45–19:00	**Walk to dinner venue**
19:00-19:30	**Pre-dinner reception** *Venue:* Clinical Research Centre, Building 91, Floor 12 **Address**: Jan Waldenströms gata 35, Malmö ≈ 900 m walking distance from Conference hotel
19:30-22:00	**Dinner** *Dinner venue:* Restaurant Mötesplats CRC Clinical Research Centre, Ground Floor Same address as pre-dinner reception

Thursday, 12 of June, 2025

09:00–09:45	KS	**Prof. Lori Sussel** University of Colorado **Chair: Charlotte Ling** Lund University	Unraveling the Regulation of Islet Cell Fates
09:45–10:00		**Coffee**	
		Session 3: The islet cell in Type-2 Diabetes and treatment strategies Chair: Malin Fex Lund University	
10:00–10:30	IS	**Mariana Igoillo-Esteve** Université Libre de Bruxelles	Exploring the impact of altered tRNA fragmentation in pancreatic β-cell
10:30–11:00	IS	**Ulf Ahlgren** Umeå University	Illuminating the pancreas – a new view on islet cellularity and β-cell distribution in health and disease
11:00–11:30	IS	**Lena Eliasson** Lund University	Influence of microRNAs on human islet insulin secretion in type 2 diabetes
11:30–11:45	CT	**Marie Gasser** University of Montreal	Roles of zinc depletion in the protective effects of *SLC30A8* variants in human beta-like cells
11:45–12:00	CT	**Cristina Cosentino** University of Lausanne	5'tRNA-derived fragments modulate β-cell homeostasis and islet macrophage activation in type 2 diabetes.
12:00–13:00		**Lunch**	
		Session 4: The islet cell in Type-1 Diabetes and treatment strategies Chair: Raphael Scharfmann INSERM Cochin Institute	
13:00–13:30	IS	**Carmella Evans-Molina** Indiana University	Organelle calcium gradients at the nexus of type 1 diabetes pathogenesis

13:30–14:00	IS	**Roberto Mallone** INSERM Cochin Institute	Title TBD
14:00–14:30	IS	**Teresa Rodriguez-Calvo** Helmholtz Munich	Unmasking islet profiles: the link between *HLA-I* expression, immune infiltration and insulin dynamics in type 1 diabetes
14:30–14:45	CT	**Jon Vergara Ucin** University of Copenhagen	Urocortin-3 regulates glucagon secretion through an inhibitory β- to δ- to α-cell axis
14:45–15:00	CT	**Theodore dos Santos** University of Alberta	Mechanisms underlying islet cell dysfunction in human type 1 diabetes
15:00–15:15	**Coffee**		
	Session 5: Modelling human islet cell development Chair: Isabella Artner Lund University		
15:15–15:45	IS	**Francesca Spagnoli** King's College London	Progenitor niches in the developing pancreas: regulation of beta cell fate and beyond
15:45–16:15	IS	**Diego Balboa** University of Helsinki	Modelling human islet development and function with stem cell models
16:15–16:45	IS	**Limor Landsman** Tel Aviv University	Immune and Vascular Crosstalk Modulates β Cell Development and Function
16:45–17:00	CT	**Simona Chera** University of Bergen	HNF1A is essential for GLI3 processing by primary cilia in the posterior foregut, its dysfunction favoring duodenal cell fate and altering lineage choices
17:00–17:15	CT	**Chieh Min Jamie Chu** University of British Columbia	Characterization of *INS* gene activity states in human primary and stem-cell derived β-cells
17:15–17:30	CT	**Valéria Fabríciová** Institute of Biotechnology of the Czech Academy of Sciences	Sex differences in diabetic mouse model of conditional knockout of transcriptional repressor and epigenetic modulator ISL1
17:30–17:40	ST	**Houston Barenholtz**	Biorep Technologies
17:40–18:40	**Poster session 3** Chair: Gustavo Santos Federal University of Santa Catarina		
18:45	**Bus transportation to dinner venue** Meet in hotel lobby to board buses		
19:15-22:00	**Dinner & Social Program** *Dinner venue:* Luftkastellet *Address:* Utsiktsvägen 10, Limhamn, Sweden Bus transportation from and to the Conference hotel will be provided		

Friday, 13 of June, 2025

09:00–09:45	KS	**Klaus H. Kaestner** University of Pennsylvania **Chair: Charlotte Ling** Lund University	The human islet in diabetes – lessons learned from the Human Pancreas Analysis Program (HPAP)
09:45–10:00	**Coffee**		
	Session 6: Signaling and crosstalk in the islet Chair: Nils Wierup Lund University		
10:00–10:30	IS	**Mark Huising** University of California, Davis	Dynamic crosstalk within the islet shapes insulin release
10:30–11:00	IS	**Cécile Jacovetti** University of Lausanne	The mitochondrial tRNA-derived fragment, *mt-tRF-Leu*^{TAA}, modulates both pancreatic insulin secretion and muscle insulin sensitivity
11:00–11:30	IS	**Andraž Stožer** University of Maribor	Calcium Messages Within and Between Beta Cells: Recent Contributions to their Understanding from Functional Multicellular Calcium Imaging
11:30–11:45	CT	**Marta Perez-Frances** University of Geneva	Appropriate insulin secretion and glucose homeostasis in absence of α-cells
11:45–12:00	CT	**Haiqiang Dou** University of Gothenburg	Optogenetic interrogation of metabolic and paracrine heterogeneity of pancreatic α-cells
12:00–13:00	**Lunch**		
13:00–14:00	**Debate: Are alpha cells and glucagon needed for islet function and glucose homoeostasis?** **Chair:** **Mark Huising**, University of California, Davis **For:** **Patrik Rorsman**, University of Oxford; **Caroline Bonner**, Institute Pasteur de Lille **Against:** **Sarah Richardson**, University of Exeter; **Pedro Herrera**, University of Geneva		
	Session 7: Beta & non-beta cells Chair: Philipp Kaldis Lund University		
14:00–14:30	IS	**Charna Dibner** University of Geneva	Time zones of α- and β-cells: circadian orchestration of the islet cell function
14:30–15:00	IS	**Meritxell Rovira** University of Barcelona	Shedding light on pancreas regeneration and PDAC cell of origin with single cell sequencing?
15:00–15:30	IS	**Sebastian Barg** Uppsala University	Somatostatin resistance in human α- and δ-cells
15:30–15:45	CT	**Isaline Louvet** Université de Lille	Heterozygous Hnf1a Mutation in Mice Reveals Multiple Pathogenic Mechanisms of HNF1A-MODY
15:45–16:00	CT	**Jin Feng** Helmholtz Zentrum München	eGLP1/GSK3i Enhances β-Cell Function and Proliferation in Diabetes Models
16:00–16:15	CT	**Marta Gironella-Torrent** University of Gothenburg	Single-cell quantification of β-cell secretory capacity in T2D
16:15–16:30	**Closing of EISG 2025**		