



**Islet Society meeting,  
Nordic Sea Hotel,  
Stockholm, Sweden,  
Sunday 17 July, 16:00-  
21:30; Monday 18 July,  
09:00-22:00**

**Program**

**Sunday, 17 July, 16:00-21:30**

**16:00-18:00**

Arrival, check in, registration, coffee, poster display

**18:00-19:15**

Dinner; all registered participants are invited

Session 1: <b>19:30-21:30</b> . Chair: Marcia Hiriart
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**19:30-19:35**

Md. Shahidul Islam, Karolinska Institutet, SE  
Introduction

**19:35-19:45**

Vishal Parekh, Umeå universitet, SE  
Asn1 is required for pancreatic development

**19:45-19:50**

Discussion

**19:50-20:15**

Ernest Adheghate, UAE University; AE,  
Adiponectin modifies the pattern of distribution of pancreatic islet cells in an animal model of type 1 diabetes

**20:15-20:20**

Discussion

**20:20-20:45**

Hee-Sook Jeon, Gachon University of Medicine and Science, South Korea  
Betacellulin-induced beta cell regeneration

**20:45-20:50**

Discussion

**20:50-21:20**

Constanin Polychronakos, McGill University Health Centre, CA  
Neonatal diabetes: What can genetics teach us about the beta cell?

**21:20-21:30**

Discussion

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## **Monday, 18 July, 09:00-22:00**

**07:30-08:30**

Breakfast for participants staying in Nordic Sea Hotel  
Poster display

Session 2: <b>09:00-10:50</b> . Chair: Anjan Kowluru
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**09:00-09:15**

Amanda Jabin Fågelskiöld, Karolinska Institutet, SE  
Insulin-secreting INS-1E cells express functional TRPV1 channels

**09:15-09:20**

Discussion

**09:20-09:45**

Krister Bokvist, Eli Lilly & Co, US  
Antidiabetic action of VPAC2 receptor selective peptides

**09:45-09:50**

Discussion

**09:50-10:15**

Marcia Hiriart, Universidad Nacional Autonoma de Mexico; MX  
High sucrose diet induce changes in KATP and calcium currents in a metabolic syndrome model in rat

**10:15-10:20**

Discussion

**10:20-10:45**

Thiago Mares-Guia, University of Sao Paulo, BR  
Therapeutic potential for bioprotect microcapsules for type 1 diabetes mellitus

**10:45-10:50**

Discussion

**10:50-11:05**

Break

Session 3: **11:05-12:05**. Chair: Hee-Sook Jeon

**11:05-11:30**

Daphne Atlas, The Hebrew University; IL  
The thioredoxin reductase (TrxR) - thioredoxin (Trx) system

**11:30-11:35**

Discussion

**11:35-12:00**

Anjan Kowluru, Department of Pharmaceutical Sciences, Wayne State University; US  
Phagocyte-like NADPH oxidase in islet beta cell [dys]function

**12:00-12:05**

Discussion

**12:05-13:35**

Lunch

**13:35-15:25**

Free time

**15:30-16:00**

Coffee and mingle

Session 4: **16:00-17:30** Chair: Constantin Polychronakos

**16:00-16:15**

Chengjun Sun, Karolinska Institutet, SE  
CRYAB-650C>G (rs2234702) is associated with T1D and IAA-positivity in Swedish population

**16:15-16:20**

Discussion

**16:20-16:50**

Jacek Hawiger, Vanderbilt University School of Medicine; US  
Type 1 Diabetes Goes Nuclear: Islet Protection and Preservation of Insulin Production by Nuclear Import Modifier

**16:50-16:55**

Discussion

**16:55-17:25**

Jonathan Katz, Cincinnati Children's Research Foundation, Diabetes Research Center; US  
Merocytic dendritic cells break T cell tolerance to beta cells in NOD mice.

**17:25-17:30**

Discussion

**17:30-17:45**

Break

Session 5: <b>17:45-19:30</b> . Chair: Krister Bokvist
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**17:45-18:00**

Haiya Wu, Karolinska Institutet, SE  
ALK7 and insulin secretion

**18:00-18:05**

Discussion

**18:05-18:30**

George G. Holz, State University of New York Upstate Medical University; US  
Molecular Physiology of Glucagon-Like Peptide-1 Insulin Secretagogue Action in Pancreatic Beta Cells

**18:30-18:35**

Discussion

**18:35-19:00**

Daphne Atlas, The Hebrew University; IL  
Fast release of insulin or adrenalin requires a vesicle tethered via synaptotagmin, syntaxin, and SNAP-25 to a Ca<sup>2+</sup>-bound channel

**19:00-19:05**

Discussion

**19:05-19:25**

Maša Skelin, Faculty of Medicine, University of Maribor, Slovenia  
The sensitivity of secretory machinery to calcium is increased by cAMP in pancreatic beta cells

**19:25-19:30**

Discussion

**19:30-20:00**

Break

**20:00-22:00**

Dinner; all registered participants are invited