

# "DIABETES – A THREAT TO MANKIND"

Symposium on diabetes and its complications, 7-8 June 2013, Biomedicum Helsinki, Finland

## PRELIMINARY PROGRAMME

### Friday 7 June 2013

08.00 – 08.15 Opening of the symposium, Per-Henrik Groop

#### **TYPE 1 DIABETES (Chair: Johnny Ludvigsson)**

08.15 – 08.45 Mikael Knip: Advances in our understanding of the pathogenesis of type 1 diabetes

08.45 – 09.15 John Todd: From genetics to etiologically-targeted therapeutic strategies in autoimmune diabetes

09.15 – 09.45 *Coffee and posters*

#### **TYPE 2 DIABETES (Chair: Ulf Smith)**

09.45 – 10.15 Emmanuel van Obberghen: Contribution of microRNAs to the risk of type 2 diabetes after unfavorable in utero conditions

10.15 – 10.45 Leif Groop: Missing heritability – are we missing the genes or the disease?

10.45 – 11.15 Mark McCarthy: Diamonds in the dirt: from type 2 diabetes genetics to biological inference

#### **MICROVASCULAR COMPLICATIONS (Chair: Giancarlo Viberti)**

11.15 - 12.00 Michael Brownlee: Pathogenesis of the diabetic complications – an update on the unifying hypothesis

12.00 – 13.00 *Lunch and posters*

#### **NEPHROPATHY (Chair: Merlin Thomas)**

13.00 – 13.30 Thomas Coffman: Animal models and diabetic nephropathy

13.30 – 14.00 Mark Cooper: New targets for diabetic nephropathy

14.00 – 14.30 Per-Henrik Groop: Diabetic nephropathy – environment or genes?

14.30 – 15.00 *Coffee and posters*

- 15.00 – 15.30 Karl Tryggvason: Whole genome sequencing and diabetic nephropathy  
15.30 – 16.00 Assam El-Osta: Will the epigenetics explain the enigma of diabetic nephropathy?  
16.00 – 16.30 Discussion

**RETINOPATHY (Chair: Ron Klein)**

- 16.30 – 17.00 Hans-Peter Hammes: Pathogenesis of diabetic retinopathy  
17.00 – 17.30 Tien Wong: New approaches for diagnosis, monitoring and treatment of retinopathy  
17.30 – 17.45 Closure of the day  
20.00 – 24.00 GALA DINNER

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**Saturday 8 June 2013**

- 08.30 – 08.45 Opening of the day, Per-Henrik Groop

**NEUROPATHY (Chair: Solomon Tesfaye)**

- 08.45 – 09.15 Rayaz Malik: Recent advances in the understanding of diabetic neuropathy  
09.15 – 09.45 Luciano Bernardi: Autonomic neuropathy – an organic or reversible disorder?  
09.45 – 10.15 *Coffee and posters*

**MACROVASCULAR COMPLICATIONS (Chair: Jan Borén)**

- 10.15 – 10.45 Markku Laakso: Macrovascular disease in type 2 diabetes – nature or nurture?  
10.45 – 11.15 Marja-Riitta Taskinen: Derangement of hepatic lipid metabolism – a novel target  
11.15 – 11.45 Michael Roden: Mitochondrial plasticity in obesity and diabetes mellitus  
11.45 – 12.45 *Lunch and posters*  
12.45 – 13.15 Sek Kathiresan: Dissection of the genetics of diabetic macrovascular disease  
13.15 – 13.45 Seppo Ylä-Herttua: Genetic engineering and macrovascular disease  
13.45 – 14.15 Awards for the best posters  
14.30 – 15.00 Closure of the meeting, Per-Henrik Groop