### PROGRAM  
**Friday April 24th**

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<th>Time</th>
<th>Event</th>
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<tr>
<td>11.00 – 13.00</td>
<td>Registration</td>
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<tr>
<td>12.00-13.00</td>
<td>Lunch in exhibition area</td>
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<tr>
<td>13.00-13.15</td>
<td>Welcome and opening of the meeting</td>
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<td><strong>Ole Petter Ottersen</strong>, Rector of the University of Oslo</td>
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<td><strong>Kåre I. Birkeland</strong>, Chair of the Scientific and Organizing committee</td>
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<tr>
<td>13.15-14.30</td>
<td><strong>Virus as a cause of type 1 diabetes</strong></td>
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<td>Chair: <strong>Valdemar Grill</strong></td>
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<td><strong>Knut Dahl-Jørgensen</strong> (University of Oslo, Norway)</td>
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<td></td>
<td>Barnediebetasfonden’s Johnny Ludvigsson Nordic Prize lecture</td>
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<td><em>The pathogenesis of type 1 diabetes - new aspects from the DiViD study</em></td>
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<td><strong>Malin Flodström Tullberg</strong> (Karolinska Insitutet, Sweden)</td>
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<td><em>Enterovirus infections and Type 1 Diabetes - Can a Vaccine Test Causality?</em></td>
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<tr>
<td>14.30-15.00</td>
<td>Coffee and exhibition</td>
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<tr>
<td>15.00-17.00</td>
<td>Oral presentation I</td>
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<td>Chair: <strong>Tore Julsrud Berg</strong></td>
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1. **Bjørsvik C**, Grimnes G, Jorde R: **THE TROMSØ STUDY: FIT FUTURES: PREVALENCE OF DIABETES AND EPIDEMIOLOGICAL FEATURES OF HBA₁c IN HEALTHY ADOLESCENTS**
3. **Ullsten S**, Vågesjö E, Pillipson M and Carlsson P-O: **RESIDENT PANCREATIC MACROPHAGES ARE IMPORTANT FOR ISLET DEVELOPMENT AND LONG-TERM FUNCTION**
5. **Lund J**, Jensen J, Langleite TM, Feng YZ, Mudry J, Kase ET, Gulseth HL, Rustan AC, Thoresen GH: **EFFECTS OF TRAINING IN VIVO IS PRESERVED IN CULTURED HUMAN MYOTUBES**
7. **Grill V**, Fleiner HF, Bjørklund A, Reimers N, Astor M, Filipsson K: **A RANDOMIZED CLINICAL TRIAL TESTING FOR EFFECTS BY EARLY INSULIN TREATMENT IN LATENT AUTOIMMUNE DIABETES IN ADULTS (LADA): BASELINE DATA**
17.00-17.15  Break and exhibition

17.15-18.15  **Novo Nordisk Foundation Lecture**  
Chair: **Bolli Thorsson**

**Torben Hansen** (The Novo Nordisk Foundation Center for Basic Metabolic Research, Denmark)
*The impact of our genomes on metabolic health*

19.00  Welcome reception in Oslo City Hall
PROGRAM  
Saturday April 25th

There will be two separate parallels until 16.00

PARALELL 1

09.00-09.45  New insulins  Chair: Kåre I. Birkeland

Allan Vaag (Copenhagen University, Denmark)
New long-acting insulin analogs real benefits or emperor’s new clothes?

09.45-11.00  Oral presentation II  Chair: Hanne Løvdal Gulseth


13. Pham TT, Virtanen KA, Hannukainen JC, Kiviranta R, Hällsten K, Oikonen V, Nuutila P: PPAR-γ AGONIST ROSIGLITAZONE IMPROVES FEMORAL BONE MARROW FAT INSULIN SENSITIVITY IN EARLY DIAGNOSED TYPE II DIABETES PATIENTS


11.00-11.30  Coffee and exhibition

11.30-13.00  Oral presentation III  Chair: Kristian F. Hanssen

15. Bjørgaas MR, Olsen SE, Åsvold BO, Sand T, Nilsen KB: IMPAIRED AWARENESS OF HYPOGLYCAEMIA AND PERIPHERAL AUTONOMIC NEUROPATHY IN TYPE 1 DIABETES

16. Haferstrom ECD, Hansen TI, Olsen SE, Håberg AK, Bjørgaas MR: REDUCED COGNITIVE FUNCTION IN PEOPLE WITH TYPE 1 DIABETES AND IMPAIRED AWARENESS OF HYPOGLYCAEMIA

17. Elvebakk O, Tronstad C, Gulseth HL, Jenssen T, Bjørgaas MRR, Høgetveit JO, Martinsen Ø, Birkeland K: PHYSIOLOGICAL AND SYMPTOMATIC RESPONSES TO HYPOGLYCEMIA IN PATIENTS WITH IMPAIRED AWARENESS
| 20. | Klavness MN, Berg TJ: PROGNOSIS OF PATIENTS WITH A DIABETIC FOOT ULCER (DFU) |
| 21. | Fleiner HF, Bjørø T, Midthjell K, Grill V, Åsvold BO: ASSOCIATIONS BETWEEN DIABETES AND HYPOTHYROIDISM IN THE HUNT STUDY IN NORWAY ARE STRONG AND GENDER NEUTRAL WITH AUTOIMMUNE DIABETES BUT NOT PRESENT WITH TYPE 2 DIABETES |

| 13.00-14.00 | Lunch and exhibition |

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<tr>
<th align="left">14.00-15.20</th>
<th align="left">Gestational diabetes – a Nordic approach</th>
<th align="left">Chair: Anne Karen Jenum</th>
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<tr>
<td align="left">14.00-15.20</td>
<td align="left"><strong>Peter Damm</strong> (Copenhagen University, Denmark)</td>
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<td align="left">14.00-15.20</td>
<td align="left"><strong>Risto Kaaja</strong> (Turku University, Finland)</td>
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<td align="left">14.00-15.20</td>
<td align="left"><strong>Anne Karen Jenum</strong> (University of Oslo, Norway)</td>
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| 15.20-15.30 | Oral presentation IV | Chair: Anne Karen Jenum |

| 22. | Sletner L, Jenum AK, Mørkrid K, Birkeland KI, Vangen S: FETAL GROWTH IN ETHNIC EUROPEANS AND SOUTH ASIANS WITH AND WITHOUT GESTATIONAL DIABETES. A POPULATION-BASED COHORT STUDY IN GRORUDDALEN, OSLO, NORWAY |
# PARALELL 2

## 09.00-10.15

**Inflammation in diabetes**  
Chair: **Cecilie Wium**

**Myriam Aouadi** (Karolinska Institutet, Sweden)  
*Inflammation in the adipose tissue*

**Bente Halvorsen** (University of Oslo, Norway)  
*Inflammation in the liver and vessel*

**Arne Yndestad** (University of Oslo, Norway)  
*Inflammation in the heart*

## 10.15-11.00

**Oral presentation V**  
Chair: **Elisabeth Qvigstad**


25. **Tingstad R**, Charnock C, Aas V: **BACTERIAL COMPONENTS AND THEIR EFFECT ON ENERGY METABOLISM IN HUMAN SKELETAL MUSCLE CELLS**

## 11.00-11.30

Coffee and exhibition

## 11.30-13.00

**Oral presentation VI**  
Chair: **Jens Petter Berg**


28. **Singh R**, Hals I, Gederaas O, Grill V: **TOXICITY OF IAPP (AMYLIN) IN BETA CELLS IS INCREASED BY PHOTOCHEMICAL ACTIVATION**

29. **Boås H**, Tapia G, de Muinck E, Cinek O, Stene LC, Rønningen KS: **SAFFOLD VIRUS, A HUMAN CARDIOVIRUS, IS NOT ASSOCIATED WITH PERSISTENT ISLET AUTOANTIBODIES IN A LONGITUDINAL BIRTH COHORT STUDY**

30. **Hals I**, Bruerberg S, Grill V: **MITOCHONDRIAL COUPLING EFFICIENCY IS SWIFTLY DECREASED BY HYPOXIA RECIROCALLY TO EFFECTS BY HYPOXIA**

31. **Grapensparr L**, Carlsson P-O: **SURFACE-COATING WITH ENDOTHELIAL PROGENITOR CELLS IMPROVES BLOOD PERFUSION, OXYGEN TENSION AND VASCULAR DENSITY IN EXPERIMENTALLY TRANPLANTED HUMAN PANCREATIC ISLETS**

13.00-14.00 Lunch and exhibition

14.00-15.30 **News in diabetes genetics**  
Chair: **Lise Bj. Gundersen**

*Lise Bjørkhaug Gundersen* (University of Bergen, Norway)  
*Functional studies can identify rare variants as risk factors for type 2 diabetes*

*Simon Dankel* (University of Bergen)  
*On the crossroads of obesity and diabetes: Old genes, new networks*

*Karianne Fjeld* (University of Bergen)  
*A recombinated diabetes gene as risk factor for chronic pancreatitis*

**PLENARY PROGRAM**

15.30-16.00 Coffee and exhibition

16.00-16.45 **The failing diabetic heart**  
Chair: **Tore Julsrud Berg**

*Peter Rossing* (Steno Diabetes Center & Copenhagen University, Denmark)  
*Diabetes and the heart*

*Kari Anne Sveen* (Oslo University Hospital, Norway)  
*Diabetic cardiomyopathy*

16.45-17.30 **SSSD Young Investigator Awards**  
Chair: **Kolbein Gudmundsson**

*Nikhil R Gandasi* (Uppsala University, Sweden)  
*Contact-induced clustering of syntaxin and munc18 docks secretory granules to the exocytosis site*

*Ida Moltke* (University of Copenhagen, Denmark)  
*A common Greenlandic TBC1D4 variant confers muscle insulin resistance and type 2 diabetes*

17.30-18.00 General Assembly of SSSD. Presentation of next year’s meeting

20.00 Congress Dinner at Festningen Restaurant, Oslo
PROGRAM

Sunday April 26th

09.00-9.45  Diabetic nephropathy

Chair: Kristian F. Hanssen
Invited speaker: Per Henrik Groop (University of Helsinki, Finland)

Diabetic nephropathy 2015 – from basic science to clinical practice

09.45-10.30  Oral presentation VII

Chair: Kurt Højlund

| 34. | Toverud EL, Abuelmagd W, Mahmood K, Taghiadzhe N, Jukovljevic M, Håkonsen H: DIABETIC PAKISTANI WOMEN IN OSLO, NORWAY, AND THEIR NEED FOR INFORMATION |

10.30-11.00  Coffee and exhibition

11.00-11.45  Knud Lundbeck Award and lecture

Chair: Knut Dahl Jørgensen

Erik Renström, Lund University Diabetes Center, Sweden:
Pathophysiology and something that might be called human love

11.45-12.55  Oral presentation VIII

Chair: Bente K. Kilhovd

| 37. | Maria C. Magnus, Geir Joner, Torild Skrivarhaug, Pål R. Njølstad, Per Magnus, Lars C. Stene: POSTNATAL WEIGHT AND AND HEIGHT AND SUBSEQUENT RISK OF TYPE 1 DIABETES IN THE NORWEGIAN MOTHER AND CHILD COHORT STUDY |
| 40. | Qvigstad E, Gulseth HL, Risstad H, le Roux CW, Berg TJ, Mala T, Kristinsson J: EVALUATION OF A NOVEL REVERSAL OF ROUX-EN-Y GASTRIC BYPASS FOR POSTPRANDIAL HYPERINSULINEMIC HYPOGLYCAEMIA |
| 42. | Shcherbina L, Fischer A-HT, Wierup N: CART IS A REGULATOR OF GIP AND GLP-1 EXPRESSION AND SECRETION |
12.55-13.00  Close of the meeting
13.00-14.00  Farewell & lunch on the go