

1ST SYMPOSIUM MEETING ON
**GENES, REPRODUCTION
AND DEVELOPMENT**

1 DECEMBER 2015

AIAS SYMPOSIUM

09.00 – 09.10 Welcome by Morten Kyndrup, Professor and Executive Director of AIAS

Session 1: Folliculogenesis/Oogenesis

Coordinator: Emil Hagen Ernst, MD, PhD student, Dept. of Biomedicine, Aarhus University, Denmark

09.10 – 09.50 Kate Hardy, Professor, Imperial College, London, United Kingdom
'Regulation of preantral follicle development'

09.55 – 10.15 Emil Hagen Ernst, MD, PhD student, Dept. of Biomedicine, Aarhus University, Denmark
'Activation of human primordial follicles'

10.20 – 10.40 Marie Louise Grøndahl, DVM, PhD, Fertility Clinic, Herlev Hospital
'The transcriptome from dormant to fully competent human oocytes'

10.45 – 11.05 Claus Oxvig, Professor, Dept. of Molecular Biology and Genetics, Aarhus University
'Regulation of IGF bioactivity during human folliculogenesis'

11.05 – 11.35 Coffee break

Session 2: Genes and Development; The Fertilized Egg and Beyond

Coordinator: Ingrid Carvacho, PhD, Dept. of Biomedicine, Aarhus University, Denmark

11.40 – 12.00 Kirstine Kirkegaard, MD, PhD, Clinical Biochemistry, Aarhus University Hospital, Denmark
'Assessment of embryo viability'

12.05 – 12.25 Ingrid Carvacho, PhD, Dept. of Biomedicine, Aarhus University, Denmark
'TRP channels in egg activation'

12.30 – 12.50 Mette Warming Jørgensen, Dept. of Clinical Genetics and Dept. of Pathology, Aarhus University Hospital, Denmark
'Zygotes with 3 pronuclei, their fertilization, cleavage patterns, development and karyotypes'

12.55 – 13.45 Lunch, the AIAS Hall

Session 3: Genes and Development, Epigenetics

Coordinator: Karin Lykke-Hartmann, AIAS and Biomedicine, Aarhus University, Denmark

13.50 – 14.30 Gavin Kelsey, Professor, Babraham Institute, Cambridge, United Kingdom
'Understanding how DNA Methylation is Patterned in Gametes'

14.35 – 14.55 Anders Lade Nielsen, Professor, Dept. of Biomedicine, Aarhus University, Denmark
'Maternal Cigarette Smoking Induced Epigenetic Alterations in the Fetus'

15.00 – 15.20 Lars Bolund, Professor, Dept. of Biomedicine, Aarhus University, Denmark
'Mapping and manipulating the DNA methylation pattern of the genome with a view to epigenetic regulation'

15.25 – 15.45 Coffee break

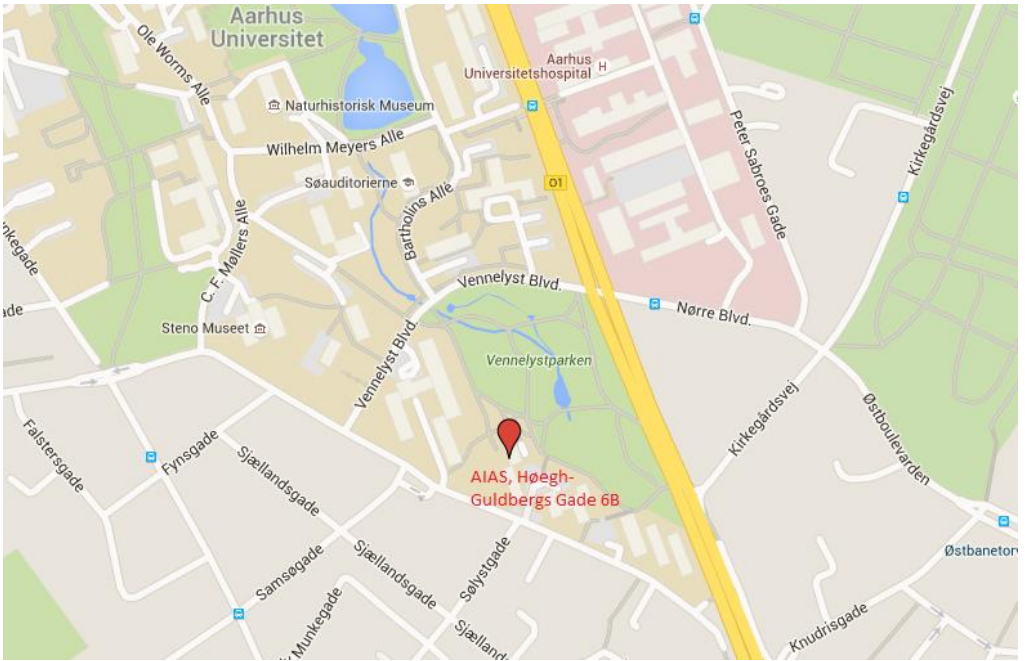
Coordinator: Lone Sunde, Dept. of Biomedicine, Aarhus University, and Clinical Department, Aarhus University Hospital, Denmark

15.50 – 16.20 Rima Slim, Professor, Dept. of Human Genetics and Obstetrics-Gynecology, McGill University, Canada
'NLRP7 and KHDC3L, the two maternal effect proteins responsible for recurrent hydatidiform moles, co-localize to the oocyte cytoskeleton'

16.25 – 16.45 Lone Sunde, MD, Professor, Aarhus University Hospital and Aarhus University, Denmark
'Cell lineage and mola pregnancies'

16.50 – 17.10 Karin Lykke-Hartmann, AIAS and Dept. of Biomedicine, Aarhus University, Denmark
'Nlrp9b as an maternal effect gene'

17.15 – Closing Remarks, by Karin Lykke-Hartmann



ORGANIZER

Karin Lykke-Hartmann, AIAS Fellow

VENUE

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