

2ND SYMPOSIUM MEETING ON
**GENES, REPRODUCTION
AND DEVELOPMENT**

9-10 MAY 2017

AIAS SYMPOSIUM



AARHUS
UNIVERSITY
AARHUS INSTITUTE OF ADVANCED STUDIES

CARLSBERGFONDET

TUESDAY, 9 MAY

08.30 – 09.00 Registration

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

Session 1: Ovarian Physiology (Chair: Emil Hagen Ernst)

09.15 – 09.50 **Stephen Franks**, MD, Professor, Imperial College, London
“Polycystic ovary syndrome: linking reproductive and metabolic dysfunction”

09.55 – 10.25 **Jan Blaakær**, MD, Professor, Department of Gynecology and Obstetrics, Odense University Hospital
“Ovulation and ovarian cancer”

10.30 – 11.00 Coffee break

Session 2: Ovarian Follicle development (Chair: Agnete Larsen)

11.05 – 11.40 **Kate Hardy**, Professor, Imperial College, London
“Growth factor regulation of early follicle development”

11.45 – 12.15 **Emil Hagen Ernst**, MD, PhD student, Aarhus University Hospital
“Dormancy and activation of human primordial and primary follicles: Molecular clues to regulation”

12.15 – 13.00 Lunch, the AIAS Hall

Session 2: Continued... Ovarian Follicle development (Chair: Agnete Larsen)

13.05 – 13.35 **Erik Ernst**, MD, Professor, The fertility Clinic and Department of Clinical Medicine, Aarhus University Hospital
“Fertility preservation in male and females before gonadotoxic treatment for cancer”

TUESDAY, 9 MAY

13.40 – 14.10 **Marie Louise Grøndahl**, Herlev Fertility Clinic
"Gene expression in the human follicle – temporal and spatial differences"

14.15 – 14.30 Coffee Break

Session 3: Embryos and Implantation (Chair: Lone Sunde)

14.35 – 15.10 **Eva Hoffman**, Professor, Department of Cellular and Molecular Medicine, University of Copenhagen
"Understanding heterogeneity and aneuploidy in human oocytes and preimplantation embryos"

15.15 – 15.45 **Agnete Larsen**, Associate professor Department of Biomedicine, Aarhus University
"Zinc and Early Development"

15.45 – 16.15 **Mette Nyegaard**, Associate professor Department of Biomedicine, Aarhus University
"Molecular changes as response to endometrial scratching"

16.15 – 17.30 Refreshments, Hall

18.00 - Dinner, Komfur, Guldsmædgade 38-40, 8000 Aarhus C
<http://www.restaurantkomfur.dk/> (for speakers only)

WEDNESDAY, 10 MAY

Session 4: Clinical Genetics (Chair: Karin Lykke-Hartmann)

09.00 – 09.40 **Deborah Mackay**, MD, Professor, Southampton University, UK

“The genetics of epigenetics: lessons from imprinting disorders”

09.45 – 10.15 **Claus Gravholt**, MD, Professor, Aarhus University Hospital

“Comparative studies of sex chromosome aneuploidies – What can we learn?”

10.20 – 10.50 Coffee break

10.55 – 11.30 **Lars Bolund**, MD, Professor, Aarhus University

“Early Development and Regenerative Medicine:

Can we learn anything from transcriptome analyses of regenerative competent salamanders in comparison with less competent pigs and humans?”

11.35 – 12.05 **Lone Sunde**, MD, Professor, Department of Clinical Medicine, Aarhus University Hospital and Department of Biomedicine, Aarhus University

“Mapping of genes relevant to early differentiation”

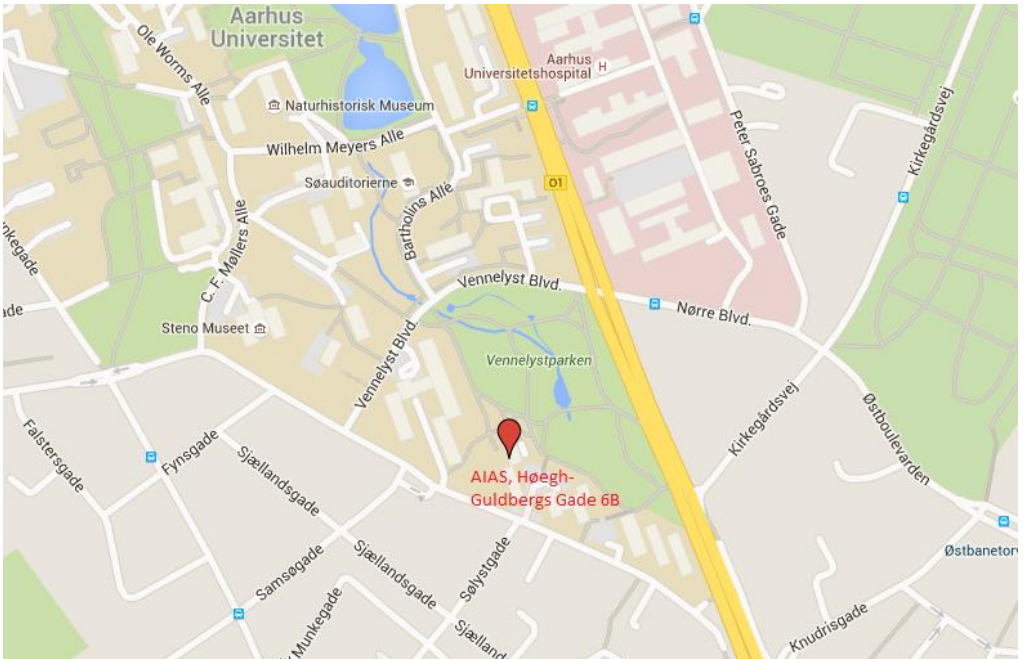
12.10 – 13.00 Lunch

WEDNESDAY, 10 MAY

Session 5: Reproductive Genetics (Chair: Mette Nyegaard)

- 13.05 – 13.35 **Julieta Goenaga**, Fellow, Aarhus Institute of Advanced Studies, AIAS, Aarhus University
“Seminal fluid proteins”
- 13.40 – 14.10 **Claus Oxvig**, Professor, Department of Molecular Biology and Genetics, Aarhus University
“Above the IGF receptor”
- 14.15 – 14.45 **Karin Lykke-Hartmann**, Associate professor, Department of Biomedicine and Department of Clinical Medicine, Aarhus University.
“Maternal NOD-like receptors in Development”
- 14.50 Closing Remarks, by Karin Lykke-Hartmann
- 15.00 Coffee and final discussion in the Hall
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NOTES:



SUPPORT

The Carlsberg Foundation
Aarhus Institute of Advanced Studies

ORGANIZER

Karin Lykke-Hartmann, AIAS Former Fellow, Associate Professor
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VENUE

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