

## Program for the PhD course:

### Pregnancy and programming and later risk of obesity and related disease

28. January - 1. February 2019, Frederiksberg Hospital, Nordre Fasanvej 57, 2000 Frederiksberg – Vej 8, Indgang 19

#### Monday – 28<sup>th</sup> January

- 09:00 - 10:30 **Welcome**  
Berit L. Heitmann, Prof., Research Unit for Dietary Studies, The Parker Institute, Copenhagen
- 10:45 – 12:15 **Presentation from PhD students**
- 12:15 – 13:15 **Lunch**
- 13:15 – 14:00 **Prevention of obesity**  
Berit L. Heitmann, Prof., Research Unit for Dietary Studies, The Parker Institute, Copenhagen
- 14:00 – 14:45 **Vitamin D in early life and later development of disease in the offspring**  
Berit L. Heitmann, Prof., Research Unit for Dietary Studies, The Parker Institute, Copenhagen
- 15:00 – 16:30 **Obesity and weight gain during pregnancy - and the adverse outcomes in mother and child.**  
Ellen Aa. Nohr, Prof., Institute of Clinical Research, University of Southern Denmark, Odense

#### Tuesday – 29<sup>th</sup> January

- 09:30 – 10:30 **Gestational diabetes and gut microbiota during pregnancy and postpartum.**  
Mie K. W. Crusell, PhD, Section for Metabolic Genetics, University of Copenhagen, Copenhagen
- 10:45 – 12:15 **The effect of lifestyle intervention in obese pregnant women; Follow up on the offspring in early childhood.**  
Christina Vinter, PhD, Department of Obstetrics, Odense
- 12:15 – 13:15 **Lunch**
- 13:15 – 14:45 **Childhood BMI and long-term health consequences.**  
Jennifer L. Baker, Associate Prof., Center for Clinical Research and Prevention, Copenhagen and The Novo Nordisk Foundation Center for Basic Metabolic Research, Copenhagen
- 15:00 – 15:45 **Gestational Diabetes and maternal risk of diabetes and metabolic syndrome later in life.**  
Peter Damm, Prof., Obstetric Clinic, The Juliane Marie Centre, Rigshospitalet, Copenhagen
- 15:45 – 16:30 **Long-term outcome in offspring of mothers with diabetes in pregnancy - what is the role of intrauterine hyperglycemia?**  
Tine D. Clausen, MD, PhD, Department of Gynecology and Obstetrics, Nordsjællands Hospital, Hilleroed

#### Wednesday – 30<sup>th</sup> January

- 09:00 – 10:30 **n-3 polyunsaturated fatty acids and lipid metabolism, blood pressure and behavior - acute vs long-term or programming effects.**  
Lotte Lauritzen, Prof., Department of Human Nutrition/Preventive Nutrition, LIFE, Copenhagen University, Copenhagen
- 10:45 – 11:30 **Early life interventions to reduce childhood obesity.**  
Camilla Schmidt Morgen, PhD, National Institute of Public Health, University of Southern Denmark, Copenhagen.
- 11:30 – 12:15 **Is the perinatal environment driving the obesity epidemic?**  
Thorkild I.A. Sørensen, Prof., Dr.Med.Sci., Institute for Folkesundhedsvidenskab, Afdeling for Social Medicin, Copenhagen University and The Novo Nordisk Foundation Center for Basic Metabolic Research, Copenhagen
- 12:15 – 13:15 **Lunch**
- 13:15 – 14:00 **Using ecological data when investigating prenatal exposure.**  
Ina Olmer Specht, PhD and Fanney Thorsteinsdottir, PhD candidate, Research Unit for Dietary Studies, The Parker Institute, Copenhagen
- 14:00 – 14:45 **Early growth, infant feeding and later obesity and type 2 diabetes.**  
Lise Geisler Bjerregaard, PostDoc, Center for Clinical Research and Prevention, Copenhagen
- 15:00 – 16:30 **Presentation from PhD students**

#### Thursday – 31<sup>st</sup> January

- 09:00 – 10:30 **The importance of sleep during pregnancy and early in life for the child's later health and wellbeing?**  
Helen L. Ball, Prof., Dep of Anthropology, Durham University, Durham, UK
- 10:45 – 12:15 **Measuring sleep in pregnant woman and young children.**  
Helen L. Ball, Prof., Dep of Anthropology, Durham University, Durham, UK
- 12:15 – 13:15 **Lunch**
- 13:15 – 14:45 **Is milk good or bad for you? Influence of milk consumption on foetal growth.**  
Amanda R Amorim Adegboye, PhD, Faculty of Science and Technology, University of Westminster, London, UK.
- 15:00 – 16:30 **Evaluation**  
Berit L. Heitmann, Prof., Research Unit for Dietary Studies, The Parker Institute, Copenhagen

## Friday – 1<sup>st</sup> February: Symposium

<b>09:00 – 09:05</b>	<b>Introduction</b>	Berit L Heitmann (DK)
<b>09:05 – 10:35</b> <b>Pregnancy and maternal outcomes</b>		
09:05 – 09:30	Low vitamin D reduces the chance of pregnancy in women undergoing fertility treatment.	Ulrik Schiøler Kesmodel (DK)
09:30 – 10:05	Vitamin D status during pregnancy and its association with maternal outcomes: Results from a Brazilian cohort.	Gilberto Kac (BR)
10:05 – 10:35	Effects of a European multicentre vitamin D and lifestyle intervention for gestational diabetes mellitus prevention.	Peter Damm (DK)
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<b>10:35 – 10:55</b>	<b>Pause</b>	
<b>10:55 – 12:15</b> <b>Oral Health</b>		
10:55 – 11:30	Recruitment of low income pregnant women into a randomised dietary and dental care intervention: challenges and successful strategies from the IMPROVE trial.	Amanda Adegboye (UK)
11:30 – 11:45	Income, social and health profile of the Improve trial Cohort.	Amanda Farnum (BR)
11:45 – 12:00	Vitamin D, calcium and periodontal status in early pregnancy: Results from The Improve Trial.	Paula Cocate (BR)
12:00 – 12:15	Early vitamin D supplementation and prevention of dental defects: Results from COPSAC.	Pia Elisabeth Nørrisgaard (DK)
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<b>12:15 – 13:15</b>	<b>Lunch</b>	
<b>13:15 – 15:20</b> <b>Long term health outcomes</b>		
13:15 – 13:45	Maternal vitamin D status and child health outcomes: Results from the Odense Child Cohort.	Henrik Christesen (DK)
13:45 – 14:15	Early vitamin D supplementation and long-term health in the offspring: Results from COPSAC.	Bo Chawes (DK)
14:15 – 15:20	Early vitamin D and long-term health outcomes: results from the D-tect study: Vitamin D in early life and health outcomes: Status and results from the D-tect study. Climatic determinants of neonatal vitamin D levels. Neonatal vitamin D and the risk of childhood Asthma. Neonatal vitamin D and the risk of adult RA. Neonatal vitamin D and the risk of later Pre-eclampsia. Neonatal vitamin D and the risk of adult T2D.	Berit L Heitmann (DK) Amelie Keller (DK) Fanney Thorsteinsdottir (DK) Isabel Cardoso (DK) Maria Stougård (DK) Amelie Keller (DK)
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<b>15:20 – 15:40</b>	<b>Pause</b>	
<b>15:40 – 17:00</b> <b>Long term mental outcomes</b>		
15:40 – 15:50	Neonatal Vitamin D and adult IQ: Results from the D-tect study.	Ina Olmer Specht (DK)
15:50 – 16:05	Vitamin D in pregnancy and cognition in offspring: possibilities of research in the CopLab Pregnancy Database.	Janet Janbek (DK)
16:05 – 16:20	Relations between prenatal and early life vitamin D and the risk of neurodevelopmental disorders (Autism and ADHD).	Niels Bilenberg (DK)
16:20 – 17:00	Early Vitamin D and psychiatric outcomes.	John McGrath (AUS)
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<b>17:00 – 17:15</b>	<b>Final discussion and closure</b>	Berit L Heitmann (DK)