

Workshop: The human placenta in diabetes and obesity ('diabesity')

Sept 21, 2020: Arrival

19:00 Networking dinner

Sept 22, 2020

09:00-09:10 Welcome **Peter Damm, Gernot Desoye**

09:10-09:40 Round of introduction incl area of work/special methods

Special methods:

09:40-10:00 **Birgit Hirschmugl** (Graz): *Ex vivo* placental perfusion: A human model to study vascular and metabolic functions

10:10-10:30 **Anne Nødgaard Weidemann Sorensen** (Aalborg): Placental MRI: a new method to evaluate placental function in vivo

10:30-10:50 Discussion

10:50-11:10 Coffee

Endothelial cells: Vascularisation - Angiogenesis

11:10-11:30 **Jasmin Strutz** (Graz/Klagenfurt): Placental endothelial cells and *in vitro* angiogenesis

11:30-11:40 **Martin Overgaard** (Odense): Predictive performance of angiogenic factors sFlt-1/PlGF in placental dysfunction

11:40-11:50 **Sofie Lykke Møller** (Copenhagen): Placental development and vascularization in response to anemia and malaria in a rural Tanzanian pregnancy cohort

11:50-12:10 Discussion

Trophoblasts and macrophages in adverse pregnancy conditions

12:10-12:30 **Carolin Schliefssteiner** (Graz): Placental Macrophages - Phenotype vs. Functionality

12:30-13:20 Lunch

13:20-13:40 **Alejandro Majali-Martinez** (Graz): Placental MMPs in pre-eclampsia and obesity

13:40-14:00 Discussion

Epigenetics - Telomeres

14:00-14:20 **Line Hjort** (Copenhagen): Placental epigenetics in large cohort studies

14:20-14:40 **Denise Hoch** (Graz): Trophoblast DNA damage in first trimester pregnancy of obese women

14:40-15:00 Discussion

15:00-15:25 Coffee

Non coding RNAs

15:25-15:45 **Louise Torp Dalgaard** (Roskilde): Placental miRNAs and lncRNAs

15:45-15:55 **Anja Elaine Sørensen** (Roskilde) Serum and placental miRNAs in gestational diabetes - the EAGLE study

15:55-16:15 **Julia Bandres-Meriz** (Graz): The first trimester placental proteome in obese women

16:15-16:35 Discussion

16:35-17:15 Small group meetings for discussing collaborations

17:15-17:30 Wrap-up and Farewell **Peter Damm, Gernot Desoye**