



CENTRE FOR REPRODUCTIVE BIOLOGY IN UPPSALA (CRU)

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Report of CRU symposium: Microbiome and Reproduction

March 13 2018

This symposium was initiated by CRU to bring together researchers who work with microbiome and reproduction in Uppsala. Most studies presented was still collecting samples or just starting up. This symposium gave a great overview of the field in Uppsala.

Lars Engstrand, the director of The Centre for Translation Microbiome Research (CTMR) at Karolinska institute, introduced the field of microbiome and its impact on health and disease. Ina Schuppe Koistinen, coordinator for many microbiome studies within reproduction at CTMR, described the samples collected in SweMaMi investigating micorbiome during pregnancy and the impact on the offspring. SweMaMi collaborates with the BASIC study in Uppsala, presented by Emma Fransson. The BASIC study investigates maternal mental well-being during pregnancy and the impact on the microbiome is one of the research questions. Matts Olovsson then presented the VaMiGyn study conducted in Uppsala which aims to investigate the association between microbiome and general gynecological health. The final speaker was Maria Jonsson who presented a new study currently being imitated at Uppsala University Hospital where children born by caesarian section will be subjected to the maternal vaginal and anal microbiome after birth. Several studies suggest that the microbiota we are exposed to during birth have great impact on future health.

Programme

14.00 – 14.10 Welcome

14.10 – 15.00 Lars Engstrand and Ina Schuppe Koistinen, The Centre for Translational Microbiome Research (CTMR), Karolinska institute. Microbiome and its impact on health and disease.

15.00 – 15.30 Coffee

15.30 – 15.50 Matts Olovsson, the Department of Women's and Children's Health, Uppsala University. VaMiGyn: Vaginal microbiome in healthy women.

15.50 – 16.10 Emma Fransson, the Department of Women's and Children's Health, Uppsala University and The Centre for Translational Microbiome Research (CTMR), Karolinska institute. BASIC The microbiome during pregnancy

16.10 – 16.30 Maria Jonsson, the Department of Women's and Children's Health, Uppsala University. Microbiome and caesarian section.