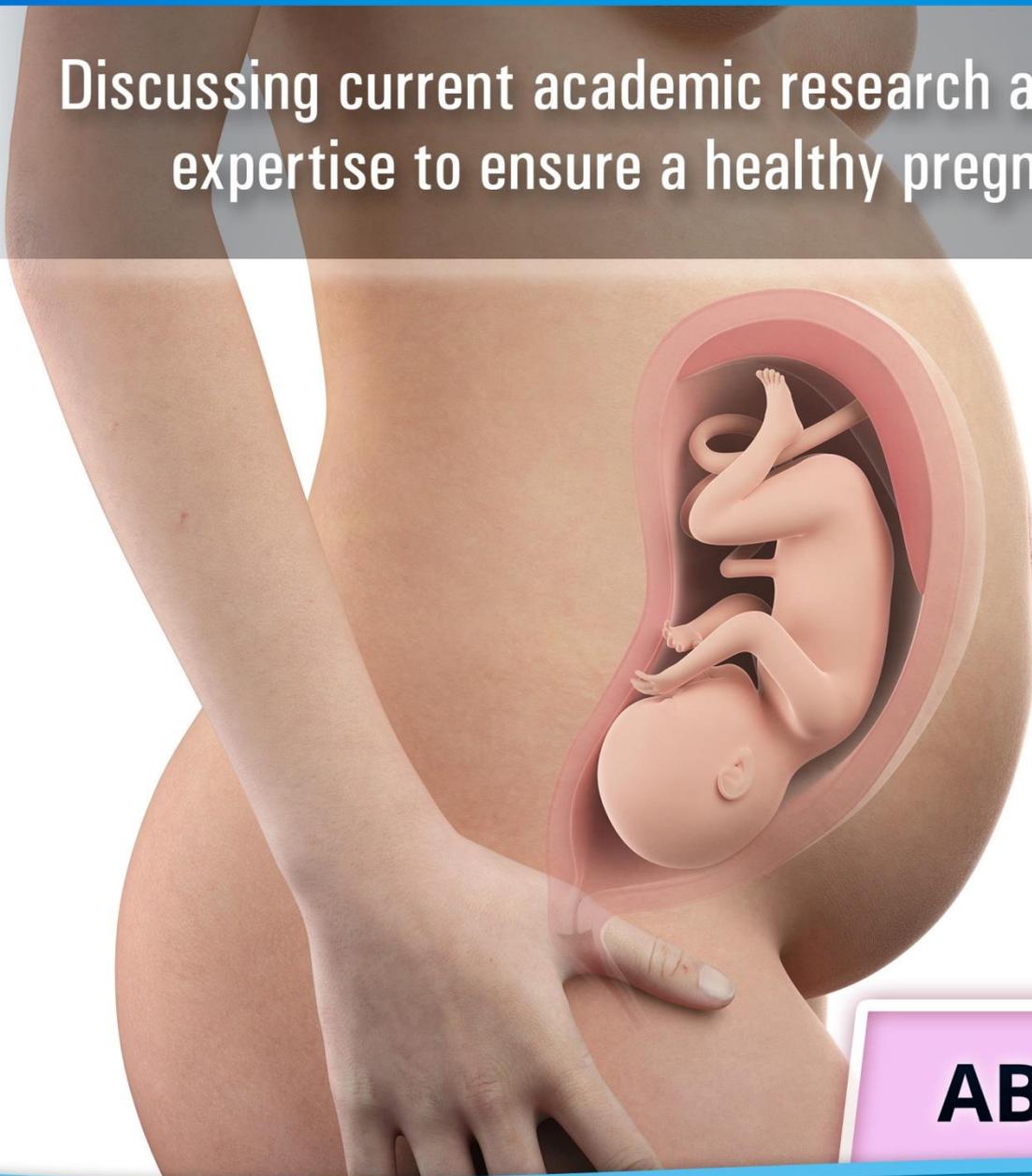


PREGNANCY AND CHILDBIRTH

Discussing current academic research and clinical expertise to ensure a healthy pregnancy.



ABSTRACTS

13th -15th September 2016
London, UK

EuroSciCon 

Now in its fourth year, this international interdisciplinary event is an open forum for discussion of scientific and clinical aspects of pregnancy related issues and disorders.

This event has [CPD accreditation](#)

This abstract book will be finalised two weeks before the event

www.lifescienceevents.com/pregnancy2016

#PregnancyESC

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Invited Speakers Abstracts

The gut microbiome and metabolic health in pregnancy

Dr. Marloes Dekker, University of Queensland, St Lucia, Australia

The gut microbiome e.g. the composite of bacteria in the gut changes in pregnancy. The composition of the gut microbiome and metabolic health are bidirectionally associated. In this seminar, the relationship between the gut microbiome and metabolic health in pregnancy will be discussed with a focus on clinical trials aiming to alter gut microbiome composition with probiotics to improve metabolism in pregnancy.

Biofluids metabolic profiling for prenatal and newborn health monitoring: an integrated study

Professor Ana Gil, CICECO-Institute of Materials, University of Aveiro, Aveiro, Portugal Nuclear Magnetic Resonance (NMR) metabolomics of maternal urine and plasma can be used to characterise the metabolic trajectory throughout healthy pregnancies and any deviant behaviours due to the onset of maternal or fetal disorders such as gestational diabetes, preeclampsia, preterm, chromosomal disorders. Both blood and urine metabolomics have been used to characterise the metabolic changes preceding/accompanying chromosomal disorders, preterm delivery (including the impact of the condition on newborns, viewed by urine) and gestational diabetes (including follow-up of therapy, through maternal urine). Possible biomarkers for translational to the clinic will be discussed, as well as related challenges.

Obesity in antenatal care and communication

Dr. Christina Louise Lindhardt, university of Southern Denmark, Odense, Denmark

Education on obesity and lifestyle counselling is increasingly required from healthcare professionals (HCPs) and managers. Communication has been identified as one of the key factors to improve, maintain and treat health problems in the population. Weight maintenance and maternal obesity in the antenatal and post- natal period increases the demands on the HCPs (doctors, nurses and midwives). Obesity in pregnancy can be a significant cause of physical and mental health problems in those affected and the risk of adverse perinatal outcomes is increased for obese women and their babies. Further obese pregnant women often have experienced prejudice and stigmatization in their communication with healthcare professionals. Motivational interviewing is a useful, cost effective and caring counseling approach when communication with obese pregnant women in antenatal care.

In utero exposure to endocrine disruptors on mammary tumor risk in MMTV-erbB-2 transgenic mice

Dr. Xiaohu Yang, North Carolina Central University, United States

Increasing evidence indicates that cancer can start before birth. In utero exposure to hormonal disruptor diethylstilbestrol (DES) has been associated with increased breast cancer risk in later life by unknown mechanisms. Maternal exposure to environmental and dietary hormones during pregnancy is very common. Therefore, it is of pivotal importance to investigate the impact and mechanisms associated with in utero exposure-associated breast cancer risk. We will present our recent studies on the effect of in utero exposure to genistein and bisphenol A on mammary development and tumor risk in MMTV-erbB-2 transgenic mice.

Oral Presentation Abstracts

Oral presentations will be added after the submission deadline

Day 1:

Day 2:

Day 3:

Poster Presentation Abstracts

Poster abstracts will be finalised weeks before the event