



Kliinilise meditsiini doktorikool



Biomeditsiini ja
biotehnoloogia doktorikool



We are inviting you to participate in the course **“Pre- and perinatal determinants of health in child- and adulthood”**

taking place in **April 23rd-24th, 2015** in **Tartu, Estonia**, Centre of Gene and Biotechnology Omicum, Riia Street 23b

The course is jointly hosted by the Doctoral School of Clinical Medicine, Graduate School in Biomedicine and Biotechnology and by the HAPPY PREGNANCY project, University of Tartu, Estonia.

The aim is to bring together experts from clinical and preclinical side of reproductive biomedicine and deliver up-to-date knowledge to junior doctors, PhD students, residents, postdocs and researchers in the fields of gynecology, andrology, pediatrics, genetics, endocrinology and molecular biology.

Lectures cover hot topics in pre- and perinatal biomedicine focusing on the impact of the pregnancy course and its determinants on the future health of the child and the mother.

Information about Happy Pregnancy project: <http://www.happypregnancy.ut.ee/en>

Information about the speakers, registration to the course and abstract submission: <http://www.happypregnancy.ut.ee/workshop/2015course>

The participation is for free. The language of the event is English.

Participants are strongly encouraged to submit an **abstract** on clinical and preclinical research on reproductive biomedicine.

Key dates:

Registration: February 1, 2015 – April 15, 2015

Abstracts submissions: February 1, 2015 – March 20, 2015

Notification of oral/poster presentations: April 1, 2015

You are cordially welcomed to participate!

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The course is granted by Doctoral School of Clinical Medicine (Project No 1.2.0401.09-0078) and Graduate School in Biomedicine and Biotechnology (Project No 1.2.0401.09-0073) and supported by the project „Development of novel non-invasive biomarkers for fertility and healthy pregnancy“ (HAPPY PREGNANCY) (Project No 3.2.0701.12-0047)



Programme of the international course “Pre- and perinatal determinants of health in child- and adulthood”

**Tartu, Centre of Genetics and Biotechnology Omicum, Riia 23b
lecture hall 105**

April 23, 2015 Thursday
(hosted by Doctoral School of Clinical Medicine)

Session I: Intrauterine and early childhood determinants of individual's health

9.00 - 9.55 **Prof. Johan Gunnar Eriksson (Finland):** Importance of early life for later health outcomes--findings from the Helsinki Birth Cohort Study

9.55 - 10.50 **Prof. Maria Christina Jenmalm (Sweden):** Intrauterine and early infancy determinants of allergy development

10.50 - 11.40 Coffee and poster session

11.40 - 12.35 **Prof. Rebecca Reynolds (UK):** Endocrine communication in maternal-fetal programming and long-term offspring outcomes

12.35 -13.35 Short presentations

13.35 - 14.30 Lunch break

14.30 - 15.00 Short presentations

Session II: Nutritional modifiers of pregnancy course and offspring health

15.00 - 15.55 **Prof. Régine P.M. Steegers –Theunissen (Netherland):**
Periconceptional nutritional care: Should we care?

15.55 - 16.50 **Dr. Nicholas Harvey (UK):** Vitamin D in pregnancy: implications for maternal and offspring health



April 24, 2015 Friday

Session III: Pregnancy disorders: link to maternal and offspring long-term health complications (hosted by HAPPY PREGNANCY project)

9.00 - 9.55 **Prof. Christopher Redman (UK):** Pregnancy effect on future health of mothers and/or offsprings: cardiovascular disease, thyroid and renal disease, diabetes

9.55 - 10.50 **Prof. Anne Catherine Staff (Norway):** Long-term maternal cardiovascular disease after pregnancy hypertension and placental dysfunction: possible mechanisms and how to follow up women at risk?

10.50 - 11.30 Coffee and poster session

11.30 - 12.25 **Prof. Peter Damm (Denmark):** Gestational diabetes – short and long-term consequences for mother and offspring

12.25 - 13.30 Short presentations

13.30 -14.30 Lunch break

Session IV: Genetic and exocrine determinants of fertility and fetal programming (hosted by Graduate School in Biomedicine and Biotechnology)

14.30 - 15.25 **Prof. Richard Sharpe (UK):** Impacts of common fetal exposures on reproductive development and function in both sexes and their long-term impacts

15.25 - 16.20 **Dr. Rachel Freathy (UK):** Using genetics to understand how the intra-uterine environment influences fetal growth