

EUGenMed Workshop

“Sex differences in basic biomedical research and preclinical drug development”

16th-17th February 2015

Center for Cardiovascular Research (CCR), Hessische Str. 3-4, 10115 Berlin, Germany
(Room: Skyroom, 5th floor)

Sunday, 15th February 2015

7.30 pm **Welcome Dinner at “Brasserie am Gendarmenmarkt”**
(Taubenstraße 30, 10117 Berlin, Tel.: +49 30 20453501)

Monday, 16th February 2015

- 9.00-9.15 **Welcome address and presentation of the project and partners (Vera Regitz-Zagrosek)**
Vera Regitz-Zagrosek, Coordinator of the Project, Director of Institute for Gender in Medicine (GIM) at Charité Universitätsmedizin Berlin, Germany
Ineke Klinge, Project Partner, Maastricht University, The Netherlands
Peggy Maguire, EIWH, Ireland
- 9.15-9.30 **Introduction to the Workshop: Structure and intended output**
Regitz-Zagrosek
- 9.30-10.30 **Consensus statements on sex differences in basic biomedical research and preclinical drug development**
Discussion Part I: Sex differences in cellular functions (chair: Vera Regitz-Zagrosek)
Malorni – Sex differences in cell death and survival
Dworatzek – Sex differences in cardiac fibrosis
Ventura-Clapier – Mitochondria participate in sex-specificity of pathologies
Hofmann – Sex differences in lipoprotein and glucose metabolism
- 10.30-11.00 **Coffee break**
- 11.00- 11.45 **Discussion Part II: The Interaction between chromosomes and hormones**
Majdic – Sex and the brain - an interplay between sex chromosomes and sex hormones
Carpenter – Sex differences in early life - programming of the HPA axis
- 11.45-12.30 **Lecture: Ineke Klinge**
“Sex and gender in basic biomedical research- prospects at NIH and Horizon 2020”
- 12.30-13.30 **Lunch break**
- 13.30-14.30 **Discussion Part III – Sex differences in gene regulation: genetic variants and epigenetic processes (chair: Claudine Junien)**
Erdmann – The X-Chromosome and GWAS
Junien – DOHaD - Epigenetics and sexual dimorphism
Mieth – Sex differences in epigenetic modifications in rat models
Kararigas – Sex differences in the cardiac transcriptome in (patho)physiology
- 14.30-15.00 **Coffee break**
- 15.30-16.30 **Discussion Part IV – Translational approaches in sex specific medicine**
Arnal – Structure-Function of Estrogen Receptor in vivo: optimization of its modulation in Medicine
Brunelleschi – Sex differences in the anti-inflammatory response and DNA methylation of cells stressed by e.g. cigarette smoke
Kublickiene – Preeclampsia and later CVD: focus on vascular function



Tuesday, 17th February 2015

- 9.00-10.30 **Part V - Drug Development**
D'Ursi - Sex differences in drug design
Fliegner - Sex differences in drug development
Giannetta – cardiac function and PDE5-inhibitors
- 10.30-10.45 **Coffee Break**
- 10.45-11.15 **Editors view: “A changing landscape in cardiovascular research”**
Karin Sipido, Editor-in-chief for Cardiovascular Research - the International Basic Science Journal of the European Society of Cardiology (ESC)
- 11.15-12.00 **Vera Regitz-Zagrosek and Claudine Junien: Wrap up and conclusions**
- 12.00-12.30 **Light lunch**

