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
Kublickienė – Preeclampsia and later CVD: focus on vascular function

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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