

Programme

- 9.15-9.30** *Opening remarks*
- 9.30-10.20** **Human iPS cells as tools for studying hepatogenesis and Non Alcoholic Fatty Liver Disease**
- Prof. Dr. James Adjaye**
Institute for Stem Cell Research and Regenerative Medicine, Heinrich-Heine-University, Düsseldorf
- 10.20-10.40** **Enrichment and Molecular Characterization of Epithelial Stem Cells of the Human Cornea**
- Hannah de Oliveira Kessler**
Transfusion Medicine, UK Essen
- 10.40-11.00** **Functional interplay between Cdc48/p97 and protein phosphatase-1**
- Jonas Seiler**
Molecular Biology I, Uni Essen
- 11.00-11.15** *Coffee break*
- 11.15-12.05** **Regulation of microtubule instability towards ensuring genome stability**
- Dr. Alexander Bird**
MPI of Molecular Physiology, Dortmund
- 12.05-13.00** *Lunch*
- 13.00-13.45** *Poster session I*
- 13.45-14.35** **Optogenetic control of GPCR pathways in mouse brain**
- Prof. Dr. Stefan Herlitze**
Department of General Zoology and Neurobiology, Ruhr University Bochum
- 14.35-14.55** **DNA methylation analysis of imprinted loci in iPSCs derived from an Angelman syndrome patient**
- Jana Stanurova**
Human Genetics, UK Essen
- 14.55-15.15** **Neural progenitor development, *in vitro*, from iPSCs generated from an Angelman Syndrome patient carrying a defined mutation in *UBE3A***
- Anika Neureiter**
Transfusion Medicine, UK Essen
- 15.15-15.30** *Coffee break*
- 15.30-15.50** **Sugar and Bone - Heparan Sulfates and Embryonic Development**
- Ann-Christine Severmann**
Developmental Biology, Uni Essen
- 15.50-16.10** **Regulation of replication initiation by novel interactors of the Treslin-MTBP-TopBP1 regulation hub**
- Kerstin Köhler**
Molecular Genetics II, Uni Essen
- 16.10-17.00** **Polymeric nanocarriers: crossing barriers on the microscale for intracellular processing**
- PD Dr. Volker Mailänder**
Medical Clinic III, Johannes-Gutenberg-University, Mainz
- 17.00-17.15** *Closing remarks*
- 17.15-18.00** *Poster session II*
- 18.00-21.00** *Dinner*

Poster session I

Christina Heiselmayer, Molecular Biology II, Uni Essen
Functional and molecular characterization of the protease
Taspase1

Manuela Kirsch, Gynaecology & Obstetrics, UK Essen
CCN3 signaling drives human trophoblasts into senescence
and alters migration properties

Lisa Marie Krieger, Medical Radiation Biology, UK Essen
The role of chromatin structure on the repair of DNA double strand
breaks by alternative end joining

Helena Rakov, Endocrinology and Metabolism, UK Essen
Thyroid hormone influence on lipid metabolism
in brown adipose tissue and liver of male and female
mice

Symone Vitoriano, Transfusion Medicine, UK Essen
Impact of "HSC expansion" cocktails on the cell fate of human
multipotent hematopoietic cells

Venue

Unperfekthaus Essen
Friedrich-Ebert-Straße 18
45127 Essen



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We thank the external speakers for accepting
our invitation and participating in our retreat.

Poster session II

Kira Kleszka, Physiology, UK Essen
The influence of Hypoxia-inducible factor 2 on the development
of neural stem cells

Dana Künzl, Paediatrics II, UK Essen
Off-target effects of Rituximab on human podocytes involve
mechanisms of apoptosis inhibition, adhesion
and cytoskeleton stabilization

Maike Olsowski, Medical Microbiology, UK Essen
Investigation of *Exophiala dermatitidis* biofilm formation

Nadine Schröder, Developmental Biology, Uni Essen
Transcriptional regulation of chondrocyte differentiation
by Atoh8

Maike Stegen, Anaesthesiology, UK Essen
Investigation of the essential regulatory mechanisms of GRK6
expression and its possible significance in hyperalgesia
and inflammation