

## Program

### 3<sup>rd</sup> Retreat

03 – 04 May 2023, Kardinal Schulte Haus Overrather Straße 51 – 53, 51429 Bergisch Gladbach

#### Wednesday 03 May 2023

<b>11:00 – 12:00</b>		
Arrival		
<b>12.00 – 13.00</b>		
Lunch Buffet		
13:05 - 13:15	Welcome address <b>Prof. Hadi Al-Hasani and Prof. Regina Ensenauer</b>	
13:15 - 13:40	P7: Investigation of alternative mechanisms involved in the protective effects of Dextrorphan (DXO) at the expense of islet secretory function <b>Angela Pelligra, Institute of Metabolic Physiology, HHU</b>	Chair: <b>Jürgen Scheller</b>
13:40 - 13:55	P7 MD: Development of high throughput assay for screening analgesic drugs to treat painful diabetic neuropathy <b>Quoc-Dat Dang, Institute of Metabolic Physiology, HHU</b>	
13:55 - 14:20	P6: Exercise-triggered mechanisms contributing to beneficial metabolic responses and type 2 diabetes protection <b>Pia Marlene Förster, Institute for Clinical Biochemistry and Pathobiochemistry, DDZ</b>	
14:20 - 14:35	P6 MD: Secretome analysis of murine insulin resistant skeletal muscle cells after EPS treatment <b>Moira Fee Pottgießer, Institute for Clinical Biochemistry and Pathobiochemistry, DDZ</b>	
14:35 - 15:15	Associates: Characterization and functional investigation of <i>Pop4</i> <i>in vivo</i> and <i>in vitro</i> <b>Jenny Khuong &amp; Katharina Kaiser &amp; Marina Tautz, Institute for Clinical Biochemistry and Pathobiochemistry, DDZ</b>	
<b>15:15 – 15:45</b>		
Coffee Break		
15:45 - 16:10	P5: Role of Interleukin (IL)-6 trans-signaling in meta-inflammation and development of insulin resistance <b>Anna Rita Minafra, Institute of Biochemistry and Molecular Biology II, HHU</b>	Chair: <b>Bengt Belgardt</b>
16:10 - 16:25	P5 MD: Characterization of synthetic cytokine <b>Patricia Rodrigues Cruz, Institute of Biochemistry and Molecular Biology II, HHU</b>	
16:25 - 16:50	P4: Metabolic flexibility in early diabetes development <b>Anna Scheel, Institute for Clinical Biochemistry and Pathobiochemistry, DDZ</b>	
16:50 - 17:05	P4 MD: Impact of different dietary compositions on postprandial energy substrate metabolism in skeletal muscle of RabGAP-deficient mice <b>Silja Pirseyedi, Institute for Clinical Biochemistry and Pathobiochemistry, DDZ</b>	
17:05 - 17:30	Associate: The mechanisms of exercise-induced improvements in whole-body glycemia in RabGAP-deficient mice <b>Lena Espelage, Institute for Clinical Biochemistry and Pathobiochemistry, DDZ</b>	
17:30 - 17:55	P2: Investigating the hyaluronan-rich matrix in bone marrow adipose tissue during development and progression of type 2 diabetes mellitus <b>Katja Wegener, Institute for Translational Pharmacology, HHU</b>	
<b>19:00 – open end</b>		
Dinner Buffet and Get-together		

**Thursday 04 May 2023**

08:00 – 09:00 Breakfast		
09:00 - 09:25	P3a: Modulation of acid sphingomyelinase function in lipid-induced insulin resistance <b>Mona Hendlinger</b> , <i>Institute for Clinical Diabetology, DDZ</i>	Chair: <b>Regina Ensenauer</b>
09:25 - 09:40	P3a MD: Impact of exercise on mitochondrial dynamics and performance <b>Alessandro Falcone</b> , <i>Institute for Clinical Diabetology, DDZ</i>	
09:40 - 10:05	P3a Associate: Elucidation of lipid-induced insulin resistance by flux analysis of labelled diacylglycerols <b>Marlene Piribauer</b> , <i>Institute for Clinical Diabetology, DDZ</i>	
10:05 - 10:30	P3b: Role of MICOS subunits MIC26 and MIC27 in the early development of type 2 diabetes and insulin resistance <b>Melissa Lubeck</b> , <i>Institute of Biochemistry and Molecular Biology I, HHU</i>	
10:30 - 10:55	Associate: The molecular and pathomechanistic role of MIC13 in regulating cristae morphogenesis <b>Ritam Naha</b> , <i>Institute of Biochemistry and Molecular Biology I, HHU</i>	
10:55 – 11:15 Coffee Break		
11:15 - 11:40	P1b: Fetal programming of obesity and diabetes <b>Marten Schouwink</b> , <i>Department of General Paediatric, Neonatology and Paediatric Cardiology, UKD</i>	Chair: <b>Hadi Al- Hasani</b>
11:40 - 11:55	P1b MD: The role of genes differentially influenced by docosahexaenoic treatment in adipocyte differentiation <b>Maximiliane Fritz</b> , <i>Department of General Paediatric, Neonatology and Paediatric Cardiology, UKD</i>	
11:55 - 12:20	P1a: Influence of maternal diet and sex-specific differences in fetal liver development <b>Celina Uhlemeyer</b> , <i>Institute for Vascular and Islet Cell Biology, DDZ</i>	
12:20 - 12:30	Election of student representatives	
12.30 - 13:15	Closing remarks <b>Prof. Hadi Al-Hasani and Prof. Regina Ensenauer</b>	
13:15 Lunch Buffet and departure		