

Program

2nd Retreat

May 10th – 11th 2022, Kardinal Schulte Haus, Overrather Straße 51 – 53, 51429 Bergisch Gladbach

Tuesday May 10th 2022

11:00 – 12:00		
Arrival		
12.00 – 13.00		
Lunch Buffet		
13:15 - 13:30	Welcome address Prof. Hadi Al-Hasani and Prof. Regina Ensenaer	
13:30 - 13:55	P3a: Modulation of acid sphingomyelinase function in lipid-induced insulin resistance Mona Hendlinger, Institute for Clinical Diabetology, DDZ	Chair: Maria Grandoch
13:55 - 14:20	P3b: Role of MICOS subunits MIC26 and MIC27 in the early development of type 2 diabetes and insulin resistance Melissa Lubeck, Institute of Biochemistry and Molecular Biology I, UKD	
14:20 - 14:45	P3b Associate: Molecular and pathomechanistic role of MIC13 in regulating cristae morphogenesis Ritam Naha, Institute of Biochemistry and Molecular Biology I, UKD	
14:45 - 15:10	P1a: Influence of maternal diet and sex-specific differences in fetal liver development Celina Uhlemeyer, Institute for Vascular and Islet Cell Biology, DDZ	
15:10 - 15:25	P1a MD: Effects on hepatic development and liver cell function in model systems of maternal obesity Anna Jasmin Heusch, Institute for Vascular and Islet Cell Biology, DDZ	
15:25 – 16:00		
Coffee Break		
16:00 - 16:25	P1b: Fetal programming of obesity and diabetes Marten Schouwink, Department of General Paediatric, Neonatology and Paediatric Cardiology, UKD	Chair: Eckhard Lammert
16:25 - 16:40	P1b MD: Effects of different arachidonic acid to docosahexaenoic acid ratios in the differentiation of 3T3-L1 preadipocytes Thomas Hautzinger, Department of General Paediatric, Neonatology and Paediatric Cardiology, UKD	
16:40 - 17:05	P2: Hyaluronan matrix in bone marrow adipose tissue: implications for the development and progression of insulin resistance Katja Wegener, Institute of Pharmacology and Clinical Pharmacology, UKD	
17:05 - 17:30	P6: Secretome analysis of primary human skeletal muscle cells after treatment with electrical pulse stimulation Pia Marlene Förster, Institute for Clinical Biochemistry and Pathobiochemistry, DDZ	
17:30 - 17:45	P6 MD: Insulin- and contraction signaling in insulin resistant murine skeletal muscle cells Michelle Isabel Deatc, Institute for Clinical Biochemistry and Pathobiochemistry, DDZ	

17:45 - 18:20	P6 Associates: Functional investigation of novel susceptibility genes for type 2 diabetes <i>in-vitro</i> and <i>in-vivo</i> Jenny Khuong & Katharina Kaiser , Institute for Clinical Biochemistry and Pathobiochemistry, DDZ	
19:00 – open end Dinner Buffet and Get-together		

Wednesday May 11th 2022

08:00 – 09:30 Breakfast		
09:30 - 09:55	P5: Role of Interleukin (IL-) 6 trans-signaling in meta-inflammation and development of insulin resistance Anna Rita Minafra , Institute of Biochemistry and Molecular Biology II, UKD	Chair: Jürgen Scheller
09:55 - 10:10	P5 MD: Activation pattern of muscular C2C12 cells by IL-6 type cytokines and novel cytokine agonists Nadine Julia Youssef , Institute of Biochemistry and Molecular Biology II, UKD	
10:10 - 10:35	P7: Investigation of alternative mechanisms involved in the protective effects of Dextrophan (DXO) at the expense of islet secretory function Angela Pelligra , Institute of Metabolic Physiology, HHU	
10:35 - 11:00	P3b Associate: Elucidating the role of mitochondrial apolipoproteins utilizing proteome and transcriptome profiling Rebecca Strohm , Institute of Biochemistry and Molecular Biology I, UKD	
11:00 – 11:30 Coffee Break		
11:30 - 11:55	P4: Metabolic flexibility in early diabetes development Anna Scheel , Institute for Clinical Biochemistry and Pathobiochemistry, DDZ	Chair: Alexandra Chadt
11:55 - 12:10	P4 MD: Effects of nutrition on the expression profile and energy substrate metabolism of diabetes-relevant tissues in a mouse model for skeletal muscle insulin resistance Jasmin Eftekharzadeh , Institute for Clinical Biochemistry and Pathobiochemistry, DDZ	
12:10 - 12:25	P4 Associate: The mechanisms of exercise-induced improvements in whole-body glycemia in RabGAP-deficient mice Lena Espelage , Institute for Clinical Biochemistry and Pathobiochemistry, DDZ	
12:25 - 12:40	P4 Associate: Elucidation of lipid-induced insulin resistance by flux analysis of labelled diacylglycerols Marlene Piribauer , Institute for Clinical Biochemistry and Pathobiochemistry, DDZ	
12:40 - 12:45	Election of student representatives	
12:45 - 13:00	Closing remarks Prof. Hadi Al-Hasani	
13:00 Lunch Buffet and departure		