

Program

Work in Progress Seminar RTG 2576

7th December 2022, online via Cisco Webex

<https://hhu.webex.com/hhu-en/j.php?MTID=m41da1afb785424445abe423200449c3b>

Meeting number: 2730 173 5601; Password: pTcHMQCN475

10:00-10:10	Welcome address and news Hadi Al-Hasani and Regina Ensenauer	
10:10-10:25	P1a: Influence of maternal diet and sex-specific differences in fetal liver development Celina Uhlemeyer , Institute for Vascular and Islet Cell Biology, DDZ Düsseldorf	Chairs: Pia Förster and Angela Pelligra
10:25-10:40	P1b: Fetal programming of obesity and diabetes Marten Schouwink , Department of General Paediatric, Neonatology and Paediatric Cardiology, UKD Düsseldorf	
10:40-10:55	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, HHU Düsseldorf	
10:55-11:10	P3a: Modulation of acid sphingomyelinase function in lipid-induced insulin resistance Mona Hendlinger , Institute for Clinical Diabetology, DDZ Düsseldorf cancelled	
10:55-11:05	P3a MD: Impact of acute exercise on mitochondrial dynamics and performance Alessandro Falcone , Institute for Clinical Diabetology, DDZ Düsseldorf	
11:05 – 11:20	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, HHU Düsseldorf	
11:20 – 11:45 Coffee Break		
11:45-12:00	P4: Metabolic flexibility in early diabetes development Anna Scheel , Institute for Clinical Biochemistry and Pathobiochemistry, DDZ Düsseldorf	Chairs: Katja Wegener and Mona Hendlinger
12:00-12:10	P4 MD: Impact of different dietary compositions on postprandial energy substrate metabolism in skeletal muscle of RabGAP-deficient mice Silja Pirseyedi , Institute for Clinical Biochemistry and Pathobiochemistry, DDZ Düsseldorf	
12:10-12:25	P5: Role of Interleukin (IL)-6 trans-signaling in meta-inflammation and development of insulin resistance	

	Anna Rita Minafra , Institute of Biochemistry and Molecular Medicine, HHU Düsseldorf	
12:25-12:35	P5 MD: Activation pattern of muscular C2C12 cells by IL-6 type cytokines and novel IL-6/IL-12 chimeras Nadine Julia Youssef , Institute of Biochemistry and Molecular Medicine, HHU Düsseldorf	
12:35-12:45	P5 MD: Development of cytokimeras Patricia Rodrigues-Cruz , Institute of Biochemistry and Molecular Medicine, HHU Düsseldorf	
12:45 – 13:45 Lunch Break		
13:45-14:00	P6: Exercise-triggered mechanisms contributing to beneficial metabolic responses and type 2 diabetes protection Pia Förster , Institute for Clinical Biochemistry and Pathobiochemistry, DDZ Düsseldorf	Chairs: Anna Rita Minafra and Anna Scheel
14:00-14:10	P6 MD: Insulin- and contraction signaling in insulin resistant murine skeletal muscle cells Moira Fee Pottgießer , Institute for Clinical Biochemistry and Pathobiochemistry, DDZ Düsseldorf	
14:10-14:25	P7: Investigation of alternative mechanisms involved in the anti-diabetic (and protective) effects of dextromethorphan (DXM) Angela Pelligra , Institute of Metabolic Physiology, HHU Düsseldorf	
14:25-14:35	P7 MD: Development of high throughput assay for screening analgesic drugs to treat painful diabetic neuropathy Quoc-Dat Dang , Institute of Metabolic Physiology, HHU Düsseldorf	
14:35-14:45	Closing remarks Hadi Al-Hasani and Regina Ensenauer	
14.45 Finished		