



UNIVERSITÄT
LEIPZIG

Medizinische Fakultät

2nd INTERNATIONAL SYMPOSIUM OF THE CRC 1052 “OBESITY MECHANISMS”

September 2–4, 2019 in Leipzig

Venue

Mediencampus Villa Ida
Poetenweg 28
04155 Leipzig
phone +49 341-56296-704



The
Mediencampus is
an attractive meeting
location in the center
of Leipzig close to the
Zoo.



Highlights of the Meeting:

- Outstanding research lectures in obesity
- Poster exhibition
- Get together with **Blondie & The Brains** (The band consists of members of the CRC 1052, legal musicians and the female singer)



CRC 1052 Spokesperson

Prof. Matthias Blüher
Leipzig University
Faculty of Medicine
Clinic for Endocrinology and
Nephrology

Organizers

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This conference will be followed by the closing meeting of the Integrated Research and Treatment Center (IFB) AdiposityDiseases (September 3–4, 2019).



SFB 1052
Obesity Mechanisms

DFG

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LEIPZIG  IFB Adipositas
Erkränkungen

Legend: PL Plenary lecture
CRC-T CRC talk
KL Keynote lecture
IFB-T IFB talk



	Monday, 2 nd September	Tuesday, 3 rd September	Wednesday, 4 th September
9:00		Session III Adipose Tissue Heterogeneity 9:00-11:00	IFB Symposium Keynote Lecture 9:00-10:00
10:00	Arrival and Registration 10:15-11:45		IFB Session II Psychosocial Aspects of Obesity and Eating Disorder 10:00-11:00
11:00		Coffee Break 11:00-11:15	Coffee Break 11:00-11:30
12:00	Lunch Time Snack 11:45-12:45	Session IV Adipokines 11:15-13:00	IFB Session III Highlights of the IFB in Genetics and Neuroimaging Research 11:30-13:00
	Welcome		
13:00	Session I Central Obesity Mechanisms 13:00-15:20	Lunch 13:00-14:00	Lunch & Farewell 13:00-14:00
14:00		Session V Consequences of Obesity 14:00-15:20	
15:00	Coffee Break 15:20-16:00	Poster Award Presentation CRC-Closing Ceremony 15:20-16:00	
16:00	Data Blitz Session 16:00-16:30	Coffee Break 16:00-16:30	
17:00	Session II Brain Periphery Crosstalk 16:30-18:10	IFB Session I Ten years of IFB AdiposityDiseases 16:30-18:00	
18:00	Dinner & Poster Session ~18:30	Barbeque Event 18:00-20:00	
19:00...	Get Together with Blondie & The Brains		





Monday, September 2nd, 2019

10:15–11:45 Arrival and Registration

11:45–12:45 Lunch Time Snack

12:45–13:00 **Welcome and Opening Remarks:**
Matthias Blüher, Spokesperson of the CRC 1052

13:00–15:20 **Session I: Central Obesity Mechanisms**

13:00–13:40 **PL I.1** **Sebastian Schmid**, Department of Internal Medicine I, University of Lübeck, Germany
Regulation of human metabolism and ingestive behaviour: Homeostasis & reward

13:40–14:20 **PL I.2** **Martin Wabitsch**, Children´s Hospital, University of Ulm, Germany
Early-onset, severe obesity - monogenetic obesity

14:20–14:50 **CRC T I.3** **Arno Villringer**, Max Planck Institute for Human Cognitive and Brain Science, Leipzig, Germany
Modulation of brain activity - A therapeutic approach for obesity?

14:50–15:20 **CRC T I.4** **Veronica Witte**, Max Planck Institute for Human Cognitive and Brain Science, Leipzig, Germany
Brain correlates of obesity

15:20–16:00 Coffee Break

16:00–16:30 **Data Blitz Session**

16:30–18:10 **Session II: Brain Periphery Crosstalk**

16:30–17:10 **PL II.1** **Jens Brüning**, Max Planck Institute for Metabolism Research, Cologne, Germany
Hypothalamic neurocircuits in control of metabolism

17:10–17:40 **CRC T II.2** **Ingo Bechmann**, Faculty of Medicine, Institute of Anatomy, Leipzig University Germany
Microglia under HFD?

17:40–18:10 **CRC T II.3** **Martin Gericke**, Institute of Anatomy and Cell Biology, Medical Faculty of Martin Luther University, Halle, Germany
The role of inefficient efferocytosis in adipose tissue inflammation

~18:30... **Dinner and Poster Session – Get Together with Blondie and The Brains**





Tuesday, September 3rd, 2019

9:00–11:00 Session III: Adipose Tissue Heterogeneity

9:00–9:40	PL III.1	Yu Hua Tseng , Joslin Diabetes Center, Harvard Medical School, Boston, USA Physiological role and therapeutic potential of thermogenic fat
9:40–10:20	PL III.2	Tim Schulz , Institute of Nutritional Science, University of Potsdam, Germany The role of adipocytic lineages in the development of age-related disorders
10:20–11:00	PL III.3	Martin Klingenspor , Molecular Nutritional Medicine, Technical University of Munich, Germany The role of brown fat in energy balance: more than a mere heater organ

11:00–11:15 Coffee Break

11:15–13:00 Session IV: Adipokines

11:15–11:55	PL IV.1	Siegfried Ussar , Institute for Diabetes and Obesity, Helmholtz Center Munich, Germany Adipose tissue insulin sensitivity and metabolic function depends on functional cell-matrix interactions
11:55–12:15	CRC T IV.2	Antje Körner , Faculty of Medicine, Child and Adolescent Medicine Clinic, Leipzig University, Germany Early effects and effectors for childhood obesity
12:15–12:35	CRC T IV.3	Anke Tönjes , Faculty of Medicine, Divisions of Endocrinology and Nephrology, Leipzig University, Germany Modulators of serum adipokine concentrations
12:35–13:00	CRC T IV.4	Peter Kovacs , Faculty of Medicine, Integrated Research and Treatment Center (IFB) AdiposityDiseases, Leipzig University, Germany Understanding body fat distribution – genes and beyond

13:00–14:00 Lunch

14:00–15:20 Session V: Consequences of Obesity

14:00–14:40	PL V.1	Hans-Peter Hammes , Medical Faculty Mannheim, Heidelberg University, Germany Adipose derived cells as treatment modality - facts from the retina
14:40–15:20	PL V.2	Annette Schürmann , German Institute of Human Nutrition Potsdam-Rehbrücke, Germany Interplay of lifestyle, genetics and epigenetics on the development of fatty liver and type 2 diabetes

15:20–16:00 Poster Award Presentation
CRC– Closing Session
Matthias Blüher, Spokesperson of the CRC 1052





Tuesday, September 3rd, 2019

16:00–16:30 Coffee Break

16:30–18:00 IFB Session I: Ten Years IFB

16:30– 10 Years IFB AdiposityDiseases

N.N. **Michael Stumvoll**, Scientific director of the IFB AdiposityDiseases
University Medical Center, Leipzig, Germany
Matthias Blüher, Spokesperson of the CRC 1052
Beate Schücking, Rector of Leipzig University

18:00–20:00 Barbecue Event

Wednesday, September 4th, 2019

9:00–11:00 IFB Session II: Psychosocial Aspects of Obesity and Eating Disorders

9:00–10:00 KL **Arya S. Sharma**, Department of Medicine, University of Alberta, Edmonton, Canada
Managing obesity as a chronic disease

10:00–10:30 IFB T II.1 **Tatjana Schütz**, IFB AdiposityDiseases, University Medical Center Leipzig, Germany
From research to patient care

10:30–11:00 IFB T II.2 **Anja Hilbert**, IFB AdiposityDiseases, University Medical Center Leipzig, Germany
Psychosocial aspects in obesity: Current research

11:00–11:30 Coffee Break

11:30–13:00 IFB Session III: Highlights of the IFB in Genetics and Neuroimaging Research

11:30–12:00 IFB T III.1 **Annette Horstmann**, IFB AdiposityDiseases, University Medical Center Leipzig, Germany and University of Helsinki, Helsinki, Finland
'It wasn't me – it was my brain': Decision-making and cognition in obesity

12:00–12:30 IFB T III.2 **Swen Hesse**, IFB AdiposityDiseases, University Medical Center Leipzig, Germany
Molecular neuro/imaging in obesity

12:30–13:00 IFB T III.3 **Peter Kovacs**, IFB AdiposityDiseases, University Medical Center Leipzig, Germany
Genetics of obesity in IFB – advances and future perspectives

13:00 Closing **Michael Stumvoll** Scientific director of the IFB AdiposityDiseases

13:00–14:00 Lunch & Farewell

