

AustroMetabolism 2017 Workshop

CeMM Research Center for Molecular Medicine
of the Austrian Academy of Sciences
8th floor Seminar room
Lazarettgasse 14, AKH BT 25.3, 1090 Vienna

28th September 2017

Organizers: Dr. Andreas Bergthaler, CeMM, Austrian Academy of Sciences
Dr. Richard Moriggl, Vetmeduni Vienna, MedUni Wien, LBI-CR
Dr. Thomas Scherer, MedUni Wien

Program:

- 12:00-12:30 Registration
- 12:30-12:40 Opening by the Organizers
- 12:40-12:50 Welcome Address, Dr. Giulio Superti-Furga, Scientific Director of CeMM
- 12:50-13:00 Welcome Address, Dr. Markus Müller, Rector MedUni Wien

**Lightning Talks I: "Molecular and Cellular Mechanisms in Metabolic Control"
(Chair: Thomas Scherer)**

- 13:00-13:06 Nuclear metabolism controls gene expression (Stefan Kubicek)
- 13:06-13:12 Transporters and the regulation of cellular functions (Giulio Superti-Furga)
- 13:12-13:18 Regulation of nutrient transporters (David Teis)
- 13:18-13:24 Mechanisms of selective autophagy (Sascha Martens)
- 13:24-13:30 Metabolic control of extracellular vesicles (Christoph Binder)
- 13:30-13:36 Mitochondria and Metabolism (Elena Pohl)
- 13:36-13:42 Direct cell to cell mitochondrial transfer in inflammation (Hans Kiener)
- 13:42-13:48 Cellular respiration and blood glucose (Clemens Fürnsinn)

**Lightning Talks II: "Metabolism, the Immune system, Cancer & Beyond"
(Chair: Thomas Scherer)**

- 13:54-14:02 Crosstalk of metabolism and inflammation (Andreas Bergthaler)
- 14:02-14:08 mTOR-regulated metabolic pathways in macrophages (Thomas Weichhart)
- 14:08-14:14 Metaflammation - clinical & experimental (Thomas Stulnig)
- 14:14-14:20 TYK2 & metabolism (Mathias Müller)
- 14:20-14:26 STAT5 and GR signaling in metabolism control and cancer implications (Richard Moriggl)
- 14:26-14:32 The HDL receptor SR-BI drives the malignant phenotype in melanoma by controlling intracellular glycosylation (Mario Mikula)
- 14:32-14:38 The biochemistry and physiology of heptose metabolism (Arvand Haschemi)
- 14:38-14:44 Revealing the eco-metabolism of intestinal microorganisms by in vivo stable isotope probing (Alexander Loy)

14:50-15:20 **Coffee Break**

Lightning Talks III: "Interorgan Crosstalk in Metabolic Regulation"
(Chair: Richard Moriggl)

15:20-15:26 Ectopic lipids (Michael Krebs)

15:26-15:32 Ectopic lipid accumulation in health and disease (Yvonne Winhofer)

15:32-15:38 Bile acids as metabolic integrators in metabolic and cholestatic liver diseases (Michael Trauner)

15:38-15:44 Brain control of nutrient partitioning (Thomas Scherer)

15:44-15:50 Metabolic research from the other side of the Semmering (Petra Kotzbeck)

15:50-15:56 Inhibition of Adipose Triglyceride Lipase (Martina Schweiger)

15:56-16:02 Adipose tissue browning and thermogenic programming (Florian Kiefer)

16:02-16:08 Cardiovascular biomarkers in metabolic diseases: targets or players? (Greisa Vila)

Lightning Talks IV: "Methods in Metabolic Research across Austria"
(Chair: Richard Moriggl)

16:14-16:20 Mass spectrometry based metabolomics at CeMM (Kristaps Kalvins)

16:20-16:26 *In vivo* applications of MRI/MRS in metabolic research (Martin Krssak)

16:26-16:32 Metabolic assessment of PET-tracer (Lukas Nics)

16:32-16:38 Mass spectrometry based metabolomics in biomarker research (Christoph Magnes)

16:38-16:44 Metabolomic workflows – focus on standardization (Gunda Koellensperger)

16:44-16:50 From raw data to insight by statistical analysis and interpretation (Angela Jacan)

17:00-17:20 **Group Photo, Coffee Break**

17:20-18:20 **Discussion: "Metabolism Research in Austria " (Chair: Andreas Bergthaler)**

18:20-18:30 **Concluding Remarks by the Organizers**

18:30-21:00 **Dinner Buffet with Barbeque on the CeMM Terrace**

A big thank you to our sponsors for their support!

