

General Information

Chairs

Dr. Sabine Metzger

Dr. Susanne Brodesser

Speakers

Susanne Brodesser, Köln ▪ Bijon Chatterji, Innsbruck ▪ Peter Dörmann, Bonn ▪ Fedja Farowski, Köln ▪ Richard Jacoby, Köln ▪ Stephan Krüger, Köln ▪ Daniel Markgraf, Düsseldorf ▪ Sabine Metzger, Köln ▪ Kristina Schlicht, Kiel ▪ Jörg Schlotterbeck, Darmstadt ▪ Martin Späth, Köln ▪ Vivek Venkataramani, Göttingen ▪ Philipp Westhoff, Düsseldorf

Venue

Biozentrum Köln

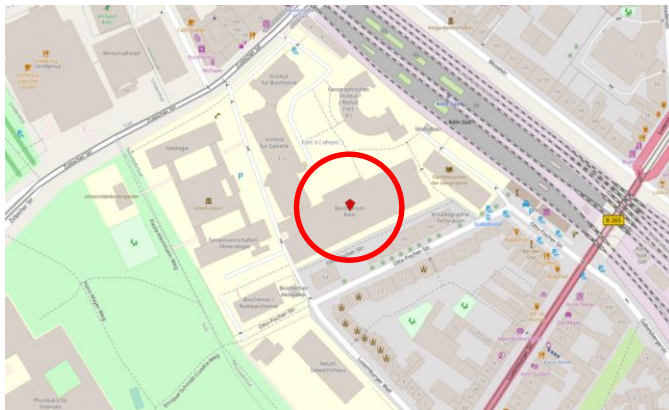
Gebäude 304, Raum 0.024

Universität zu Köln

Zülpicher Straße 47b (🚇 Köln-Süd)

50674 Köln

Germany



Source: © OpenStreetMap

Organizer

Universität zu Köln
Zülpicher Straße 47b
50674 Köln

Organizing Committee

Dr. Sabine Metzger
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Dr. Susanne Brodesser
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Dr. Petra Blankenstein
petra.blankenstein@sciex.com

Dr. Bijon Chatterji
bijon.chatterji@biocrates.com

Co-Organizers

AB SCIEX Germany GmbH, Darmstadt
BIOCRATES Life Sciences AG, Innsbruck

Registration

Participation is free of charge,
but room capacity is limited.



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Please register at:

<http://metabolomics-cologne.eventbrite.de>



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Köln Metabolomics Symposium 2019 Red meets green metabolomics

24.09.2019 - 9:30 - 18:00 Uhr

Biozentrum Köln

Gebäude 304, Raum 0.024

Universität zu Köln

Zülpicher Straße 47b, 50674 Köln, Germany

Co-organized by



09:30 Registration

10:00 - 10:10

Welcome

Dr. Sabine Metzger

Vorstand, Deutsche Gesellschaft für Metabolomforschung (DGMet)

Session: Plant Metabolomics

Chair: Sabine Metzger

10:10 - 10:40

Keynote: Plant lipid analysis via mass spectrometry – shotgun lipidomics vs. LC-MS

Prof. Dr. Peter Dörmann

Universität Bonn, Germany

10:40 - 11:05

Identification and quantification of sulfated flavonoids in the plant genus *Flaveria*

Dr. Sabine Metzger

Universität Köln, Germany

11:05 - 11:30

Metabolic characterization of plants deficient in the phosphorylated pathway for serine biosynthesis

PD Dr. Stephan Krüger

Universität Köln, Germany

11:30 - 11:55

Exometabolomic methodologies applied to study plant-microbe interactions: high-throughput characterization of microbial substrate utilization niches

Dr. Richard Jacoby

Universität Köln, Germany

12:00 - 13:00 Lunch break

13:00 - 13:25

A new tool in metabolomics: SWATH® acquisition analysis for global profiling and quantitation

Dr. Jörg Schlotterbeck

Sciex, Darmstadt, Germany

13:25 - 13:50

From understanding to redesign: metabolomics and synthetic biology

Dr. Philipp Westhoff

Universität Düsseldorf, Germany

Session: Clinical Metabolomics and Microbiomics

Chair: Susanne Brodesser

14:00 - 14:10

Introduction and session opening

Dr. Susanne Brodesser

CECAD Forschungszentrum, Köln, Germany

14:10 - 14:40

Keynote: Linking metabolism of cancer and neurodegenerative diseases

Dr. Vivek Venkataramani

Universitätsmedizin Göttingen, Germany

14:40 - 15:05

Kidney protection by preconditioning strategies: metabolomics and lipidomics to unravel the underlying mechanisms

Dr. Martin Späth

Universitätsklinikum Köln, Germany

15:05 - 15:30

A targeted lipidomics approach to study patho-mechanisms of non-alcoholic fatty liver disease

Dr. Daniel Markgraf

Deutsches Diabeteszentrum, Düsseldorf, Germany

15:30 - 16:00 Coffee break

16:00 - 16:25

Host-microbiome interaction and metabolism in disease

Dr. Bijon Chatterji

Biocrates Life Sciences, Innsbruck, Austria

16:25 - 16:50

The role of bile acids in mediating gut microbiome effects on human metabolism

Dr. Kristina Schlicht

Universitätsklinikum Schleswig-Holstein, Kiel, Germany

16:50 - 17:15

Potential biomarkers to predict the outcome of faecal microbiota transfer for recurrent *Clostridioides difficile* infection

Dr. Fedja Farowski

Universitätsklinikum Köln, Germany

17:15 Get-together

18:00 End of symposium

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