

33. Joint Annual Meeting of the
German Society for Minerals and
Trace Elements (GMS)
with Zinc-UK
Aachen, Germany, 28.-30.09.2017



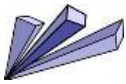
Zinc and other Trace Metals
in Health and Disease

Preliminary Program & Book of Abstracts

RWTH Aachen University Hospital, Pauwelsstr. 30, 52074 Aachen, Germany

UNIKLINIK
RWTHAACHEN

RWTHAACHEN
UNIVERSITY



ORGANISATION AND PROGRAM COMMITTEE

Organisation

Lothar Rink

RWTH Aachen University Hospital, Institute of Immunology
Email: LRink@UKAachen.de

Inga Weßels

RWTH Aachen University Hospital, Institute of Immunology

Martina Maywald

RWTH Aachen University Hospital, Institute of Immunology

Program-Committee

Bernhard Michalke

Helmholtz Zentrum München, Germany

Tanja Schwerdtle

University of Potsdam, Institute of Nutritional Sciences, Germany

York Schmitt

Doctor's Office of Laboratory Medicine Clinical Center Darmstadt Germany

Esther Humann-Ziehank

University of Veterinary Medicine Hannover, Germany

Kostja Renko

Charité Universitätsmedizin Berlin, Germany

Lutz Schomburg

Charité Universitätsmedizin Berlin, Germany

Dirk Schaumlöffel

Université de Pau et des Pays de l'Adour/CNRS, France

Anna Kipp

University of Jena, Institute of Nutritional Sciences, Germany

Daniel Brugger

Technical University Munich, Germany

Program

Thursday, September 28th

18:30 Öffentlicher Abendvortrag (Public Talk in German)

Verborgene Wirkungsweisen von Zink in Diabetes [confirmed]

Wolfgang Maret (King’s College, London, UK)

Followed by a welcome reception

Friday, September 29th

8:00 Registration & Coffee

8:45 – 9:00 Opening

INTERACTIONS OF TRACE ELEMENTS WITH THE IMMUNE SYSTEM I

Chair: Bernhard Michalke (Helmholtz Zentrum München, Germany)

9:00 – 9:30 **T1. Iron and Inflammation [confirmed]**
Manfred Nairz (Medical University Innsbruck, Austria)

9:30 – 10:00 **T2. Zinc in Inflammatory Processes [confirmed]**
Inga Weßels (RWTH Aachen University Hospital, Germany)

10:00 – 10:30 **T3. Targeting Zinc to Stop Cancer Growth [confirmed]**
Kathryn M. Taylor (Cardiff University, UK)

10:30 – 11:00 Coffee Break

INFLUENCES OF ZINC ON THE NERVOUS SYSTEM

Chair: Tanja Schwerdtle (University of Potsdam, Germany)

11:00 – 11:30 **T4. Effects of Zinc on Cognitive Function [confirmed]**
Nicola M. Lowe (University of Central Lancashire, Preston, UK)

11:30 – 12:00 **T5. Impact of Zinc on Behavior [confirmed]**
Andreas Grabrucker (University of Limerick, Ireland)

12:00 – 12:30 **T6. Zinc and Eye Diseases [confirmed]**
Imre Lengyel (Queen’s University Belfast, UK)

12:30 – 13:00 Oral Presentation of Selected Poster I

13:00 – 14:00 Lunch



GENERAL HEALTH IMPACT OF TRANSITION METALS I

Chair: Dirk Schaumlöffel (Université de Pau et des Pays de l'Adour/CNRS, France)

14:00 – 14:30	T7. Dietary Copper and Human Health [confirmed] Muriel Bost (CHU, Lyon, France)
14:30 – 15:00	T8. Impact of Zinc on Cardiomyocytes [confirmed] Belma Turan (University of Ankara, Turkey)
15:00 – 15:30	T9. Zinc Homeostasis and Healthy Ageing [confirmed] Robertina Giacconi (INRCA, Ancona, Italy)
15:30 – 16:00	T10. Investigation of zinc uptake and bioavailability in an <i>in vitro</i> model of the gastrointestinal tract [confirmed] Hajo Haase (Technical University Berlin, Germany)
16:00 – 16:30	Coffee Break
16:30 – 17:00	Oral Presentation of Selected Poster II
17:00 – 18:15	GMS Business Meeting
17:15	Poster Viewing with Coffee, Drinks & Dinner

Saturday, September 30th

GENERAL HEALTH IMPACT OF TRANSITION METALS II

Chair: Anna Kipp (University of Jena, Germany)

9:00 – 9:30	T11. Toxicity of Manganese [confirmed] Julia Bornhorst (University of Potsdam, Germany)
9:30 – 10:00	T12. Perspectives for Vanadium in Health Issues [confirmed] Dieter Rehder (University of Hamburg, Germany)
10:00 – 10:30	T13. Molybdenum cofactor and human disease [enquired] Guenter Schwarz (University of Cologne, Germany)
10:30 – 11:00	Coffee Break

INTERACTIONS OF TRACE ELEMENTS WITH THE IMMUNE SYSTEM II

Chair: Esther Humann-Ziehank (University of Veterinary Medicine Hannover, Germany)

- 11:00 – 11:30 **T14. . Zinc and Autoimmunity [confirmed]**
Dirk Reinhold (Otto-von-Guericke University Magdeburg, Germany)
- 11:30 – 12:00 **T15. Impact of Cobalt (II) on the Immune System [confirmed]**
Eeva Moilanen (University of Tampere, Finland)
- 12:00 – 12:30 **T16. The Role of Nickel in Bacterial Pathogenicity [confirmed]**
Barbara Zambelli (University of Bologna, Italy)
- 12:30 – 13:00 **Heinz-Zumkley-Prize 2017 & Poster Prizes**
- 13:30 Optional City Tour in Aachen