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## International Conference on Metal Detoxification in Berlin

### Programme June 10-13 2019

#### Sunday June 9th

16:00 Registration opens

#### Monday June 10th

9:00 Opening of the Conference (Ann-Marie Lidmark & Mats Hansson)

##### Medical Geology

9:15 Medical Geology introduction: How does our natural environment affect your health? - Olle Selinus (video link, Sweden)

10:00 Keynote lecture: A Medical Geology Perspective of Arsenic as a Poison and Medicinal Agent - José Centeno (USA)

10:45 Modern African Dust and Trace Metals: Transport, Loading and Human Exposure - Robert A. Menzies (USA)

#### 11:15 Coffee break

##### Human Metal Toxicology

11:45 Keynote lecture: Metal toxicity - biochemical background with examples from cadmium, mercury and lead - Ulf Lindh (Sweden)

12:30 Current trends of toxic metal exposure in Russia: a modifying role of essential trace elements - Anatoly V. Skalny (Russia)

#### 13:00 LUNCH & Exhibitions

14:30 Metal Intolerance and Proinflammatory Cytokine Production in Patients with Orthopedic Implant Failure - Štěpán Podzimek (Czech Republic)

##### Genetic Aspects of Metal Toxicology

15:00 Keynote lecture: Genetic aspects of metal toxicology - Michael Aschner (USA)

15:45 Ignored MTHFR Gene Mutation & Its Effects on the Detox Pathway - Edna Schur (Switzerland)

#### 16:15 Mingle mixer, Posters & Exhibitions



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#### Tuesday June 11th

##### Toxicity and Chelation of Mercury

9:00 Keynote lecture: The Safety and Efficacy of a New Generation Heavy Metal Chelator (NBMI) that is an Uncharged Hydrophobic Chelator that Crosses Cell Membranes and the Blood-Brain Barrier - Boyd Haley (USA)

9:45 Reflections on a Twenty-Year Journey to the Medulla Oblongata - Woody McGinnis (USA)

##### Heavy Metals in Immunology

10:30 Heavy Metal Induced Immune System Alterations - Pol de Saedeleer (Belgium)

##### **11:15 Coffee Break**

##### Novel Approaches to Metal Detoxification

11:45 Keynote lecture: Monoisoamyl DMSA, a new drug for arsenic toxicity - Journey from laboratory animals to human trial - Swaran Flora (India)

12:30 Environmental Medical Aspects of Prevention and Therapy - Ralf Heinrich (Germany)

##### **13:00 LUNCH & Exhibitions**

##### Aluminium Toxicity and Chelation

14:30 Keynote lecture: Silicic acid: nature's 'detox' for aluminium - Christopher Exley (United Kingdom)

15:15 Role of aluminium in breast carcinogenesis - Stefano Mandriota (Switzerland)

15:45 Galvanic effect of other metals on aluminum adjuvants in human papilloma virus vaccine - Fredrik Berglund (Sweden)

##### **15:45 Posters and Exhibitions**

**19:30 Dinner**



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### Wednesday June 12th

#### Testing for Metals in Humans

- 9:00 Keynote lecture: Testing for metals - Eleonore Baurock-Busch (Germany)  
9:45 MELISA as a Tool for Identifying Metals as Inflammatory Triggers - Olaf Beckord (Germany)  
10:15 Universal Analytical Tool for Human Biomonitoring of Mercury - Nikolay Mashyanov (Germany/Russia)  
10:45 Keynote lecture: Clinical Applications of Chelation - Joachim Mutter (video link; Switzerland)

#### **11:45 Coffee break**

#### Clinical Aspects of Metal Toxicity and Detoxification

- 12:15 How to avoid arteriosclerosis and chronic diseases through metal-free dentistry - Hans Lammers (Germany)  
12:45 Unconventional uses of chelating agents - Dietrich Wittel (Canada)  
13:15 Experiences of EDTA chelation and Chronic Fatigue Syndrome - Edwin Boegman (South Africa)

#### **13:45 LUNCH & Exhibitions**

#### Parallel seminars

- 15:00 Introduction: Concluding discussions about the need for future research and evidence-based treatments  
15:15 1. Chelating agents  
2. Food and nutrition  
3. The microbiome and detoxification  
4. Advices for public health & medical care  
5. Socioeconomic costs of heavy metal exposure  
16:15 Reports from the seminars  
17:00 Closing this part of the conference

### Thursday June 13th

#### **9:00 Discussion: Achieving evidence-based metal detoxification**

- a) Cooperation between clinicians and researchers  
b) Information and health recommendations

10:30 Finding partners

#### **11:00 Coffee break**

- 11:30 Leaving for sightseeing with an English speaking guide and lunch  
15:30 Return to the hotel

