### International Conference on Metal Detoxification in Berlin

Programme June 10-13 2019

| Sunday June 9th | 16:00 | Registration opens |

**Monday June 10th**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Opening of the Conference (Ann-Marie Lidmark &amp; Mats Hansson)</td>
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<tr>
<td>9:15</td>
<td>Medical Geology introduction: How does our natural environment affect your health? - Olle Selinus (video link, Sweden)</td>
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<tr>
<td>10:00</td>
<td>Keynote lecture: A Medical Geology Perspective of Arsenic as a Poison and Medicinal Agent - José Centeno (USA)</td>
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<td>10:45</td>
<td>Modern African Dust and Trace Metals: Transport, Loading and Human Exposure - Robert A. Menzies (USA)</td>
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<td>11:15</td>
<td>Coffee break</td>
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<tr>
<td>11:45</td>
<td>Keynote lecture: Metal toxicity - biochemical background with examples from cadmium, mercury and lead - Ulf Lindh (Sweden)</td>
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<tr>
<td>12:30</td>
<td>Current trends of toxic metal exposure in Russia: a modifying role of essential trace elements - Anatoly V. Skalny (Russia)</td>
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<tr>
<td>13:00</td>
<td>LUNCH &amp; Exhibitions</td>
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<tr>
<td>14:30</td>
<td>Metal Intolerance and Proinflammatory Cytokine Production in Patients with Orthopedic Implant Failure - Štěpán Podzimek (Czech Republic)</td>
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<tr>
<td>15:00</td>
<td>Keynote lecture: Genetic aspects of metal toxicology - Michael Aschner (USA)</td>
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<td>15:45</td>
<td>Ignored MTHFR Gene Mutation &amp; Its Effects on the Detox Pathway - Edna Schur (Switzerland)</td>
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<tr>
<td>16:15</td>
<td>Mingle mixer, Posters &amp; Exhibitions</td>
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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**
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 aluminium 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 arterioclerosis 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