

Program of the Leibniz Conference on Bioactive Compounds 2023, May 24-25 in Braunschweig, Germany

Wednesday, May 24, 2023

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| 12:00 | Registration |
| 12:30 | Welcome addresses Jörg Overmann (Scientific Director, Leibniz Institute DSMZ, Braunschweig) |
| Session 1 | NATURAL PRODUCTS FROM MICROBIAL PRODUCERS Chair: Yvonne Mast (Leibniz Institute DSMZ, Braunschweig) |
| 12:45 | PLENARY TALK: tba Mohammad R. Seyedsayamdost Princeton University, USA |
| 13:40 | Judith Boldt - Bursts in biosynthetic gene cluster transcription are accompanied by surges of natural compound production in the myxobacterium <i>Sorangium</i> sp. Leibniz Institute DSMZ, Braunschweig |
| 14:00 | Peter Sullivan - MyxoTech – a commercial vehicle to expand the potential pharmaceutical use of the myxobacterial specialized metabolome Helmholtz Institute for Infection Research Saarland (HIPS), Germany |
| 14:20 | Jethro Hemmann – Investigation of RiPPs originating from two-domain precursors Leibniz-Hans Knöll Institute, Jena |
| 15:00 | Poster session & Coffee break |
| Session 2 | YOUNG RESEARCHER'S SESSION ON NATURAL PRODUCTS Chair: Ulrich Nübel (Leibniz Institute DSMZ, Braunschweig) |
| 16:30 | Laura Stock - Clickable Microcystins as payloads for Antibody-Drug Conjugates Martin-Luther University Halle-Wittenberg, Halle |
| 16:45 | Alina Zimmermann - Genome sequence-based screening for novel phosphonate producers Leibniz Institute DSMZ, Braunschweig |
| 17:00 | Esteban Charria Giron - Discovery of new anti-infectives in the Sordariales Helmholtz Centre for Infection Research (HZI), Braunschweig |
| 17:15 | Mohamad Saoud - Metabolic Profiling can predict Complex Mode of Action for Cytotoxic Drugs Leibniz Institute of Plant Biochemistry, Halle |
| 17:30 | Melanie Hanser – Elucidating antifungal phytochemicals from wild herbaceous plants Leibniz Institute of Vegetable and Ornamental Crops, Großbeeren |
| Session 3 | AWARD CEREMONY Chair: Pierre Stallforth (Leibniz-Hans Knöll Institute, Jena) |

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| 17:45 | Leibniz Research Award 2023 Mohammad R. Seyedsayamdost ; Princeton University |
| 18:00 | Leibniz Drug of the Year 2023 Florian Kloß et al. ; Leibniz-Hans Knöll Institute, Jena |
| 18:30 | Dinner |

Thursday, May 25, 2023

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| Session 4 | BIOACTIVE COMPOUNDS AND THEIR EFFECTS Chair: Ludger Wessjohann (Leibniz Institute of Plant Biochemistry, Halle)/ Dirk Janasek (Leibniz-Institut für Analytische Wissenschaften, Dortmund) |
| 09:00 | PLENARY TALK: Development of Preventive Vaccines in Latin America – the GLACIER project Daniel Garcia Rivera University of Havana, Cuba |
| 09:50 | Mohamed Nagia - Novel terpenoids by terpene synthase-mediated biotransformation of non-natural prenyl diphosphates Leibniz Institute of Plant Biochemistry, Halle |
| 10:10 | Franziska Hanschen - Glucosinolates in <i>Brassica</i> vegetables: Deciphering the mechanisms for the formation of bioactive products Leibniz Institute of Vegetable and Ornamental Crops, Großbeeren |
| 10:30 | Coffee break |
| 11:00 | Maik Behrens - The influence of temporal effects on human taste perception Leibniz Institute for Food Systems Biology, Technical University of Munich |
| 11:20 | Clara Correia-Melo - Microbial natural products and community survival - a role for metabolite exchange interactions (to be confirmed) Leibniz Institute on Aging, Fritz Lipmann Institute, Jena |
| 11:40 | AWARD CEREMONY POSTER PRIZE 2023/CLOSING REMARKS Chair: Ludger Wessjohann (Leibniz Institute of Plant Biochemistry, Halle) |
| 12:00 | Lunch |
| 13:15 | Member Assembly X1.01 room HZI Forum, Helmholtz Centre for Infection Research, Inhoffenstraße 7, 38124 Braunschweig |
| 13:15 | Guided tour DSMZ (participants) Inhoffenstraße 7B 38124 Braunschweig |
| 16:00 | Guided tour DSMZ (LRN assembly members) Inhoffenstraße 7B 38124 Braunschweig |