



PREMEETING SYMPOSIUM EXPOHEALTH

& PRESENTATION OF RESEARCH STRUCTURES IN MAINZ

PROGRAM

1ST – 2ND JUNE 2026

SUNDAY, 31ST MAY 2026: INDIVIDUAL ARRIVING AND CHECK-IN ALL PARTICIPANTS

**MONDAY, 1ST JUNE 2026: SEMINAR ROOM, MPIC BUILDING AT THE UNIVERSITY CAMPUS
MAX-PLANCK-INSTITUT FÜR CHEMIE, (OTTO-HAHN-INSTITUT), HAHN-MEITNER-WEG 1, 55128 MAINZ**

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| 08:00 | Welcome (10 min) from the speakers: Andreas Daiber and Daniel Wollschläger (UMC Mainz); and from the hosting institution: Thomas Berkemeier (MPIC Mainz) |
| | EXPOHEALTH session I - Chairs: Thomas Berkemeier & Pablo Evelson (University of Buenos Aires) |
| 08:10 | EH I_01 The exposome concept (20 min) Andreas Daiber (UMC Mainz) |
| 08:30 | EH I_02 Epidemiological assessment of exposure health effects (20 min) Emilio Gianicolo (UMC Mainz) |
| 08:50 | EH I_03 Air pollution health impact and redox considerations (20 min) Mark Miller (University of Edinburgh) |
| 09:10 | EH I_04 Noise pollution health impact and redox considerations (20 min) Thomas Münzel (UMC Mainz) |
| 09:30 | EH I_05 Cardiovascular damage by noise and/or PM (UFP) in preclinical models – lung/brain-heart axis (20 min) Marin Kuntic (UMC Mainz) |
| 09:50 | EH I_06 Cerebral damage by noise and/or PM (UFP) in preclinical models – implications for Alzheimer's disease (20 min) Katja Kanninen (University of Eastern Finland) |
| 10:10 | EH I_07 Kinetic computational model for lung damage by particulate matter (20 min) Thomas Berkemeier (MPIC Mainz) |
| 10:30 | COFFEE BREAK |
| | EXPOHEALTH session II (co-sponsored by SFRR-E/SFRBM POC) - Chairs: Daniel Wollschläger & Natalia Magnani (University of Buenos Aires) |
| 11:00 | EH II_01 Non-optimal temperatures and health impact with focus on cardiovascular diseases (20 min) Omar Hahad (UMC Mainz) |
| 11:20 | EH II_02 Computational modelling of climate hazards and interaction with air pollution (20 min) Andrea Pozzer (MPIC Mainz / Cyl) |
| 11:40 | EH II_03 Source-specific Air Pollution Effects on Physiological / Psychophysical Health (20 min) Wenjun Meng (MPIC Mainz) |
| 12:00 | EH II_04 Redox-metabolic reprogramming by cold temperatures (20 min) Aleksandra Jankovic (University of Belgrade) |

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| 12:20 | EH II_05 Hibernation: Molecular remodeling sustains life in the cold (20 min) Bato Korac (University of Belgrade) |
| 12:40 | EH II_06 Measuring the toxicity of chemicals (20 min) Stefan Schildknecht (Albstadt-Sigmaringen University) |
| 13:00 | LUNCH |
| | SFRR-E/SFRBM POC session III - Chairs: Tilman Grune & Daniela Caporossi & Jacek Zielonka (Medical College of Wisconsin) |
| 14:00 | EH III_01 Nutritional Modulation of environmental damage in model systems (20 min) Tilman Grune (German Institute for Nutritional Research, DIfE) |
| 14:20 | EH III_02 Mitigation of environmental exposure risk factors by physical exercise (20 min) Daniela Caporossi (Università degli Studi di Roma) |
| 14:40 | EH III_03 Particulate matter induces tissue OxInflammation: From mechanism to prevention (20 min) Pablo Evelson (University of Buenos Aires) |
| 15:00 | EH III_04 Targeting inflammatory and oxidative pathways to prevent particulate matter-induced lung damage (20 min) Natalia Magnani (University of Buenos Aires) |
| 15:20 | EH III_05 Inflammasome involvement in skin response to pollution exposure (20 min) Giuseppe Valacchi (University of Ferrara, NC State University) |
| 15:40 | EH III_06 Interventions against and measurement of skin aging (20 min) Florian Gruber (University of Vienna) |
| 16:00 | SHORT REFRESHMENT |
| | EXPOHEALTH session IV - Chairs: Marianne Müller (LIR Mainz) & Florian Gruber |
| 16:20 | EH IV_01 Hypobaric hypoxia, Psychosocial stress, and resilience/repair pathways (20 min) Martin Feelisch (University of Southampton) |
| 16:40 | EH IV_02 Increasing oxidative stress resistance in the brain by NRF2 activation (20 min) Giovanni Mann (King's College London) |
| 17:00 | Travel from MPIC to Bodenheim train station and winery Lorch |
| 18:00 | Get-together "Fonzelfahrt" Bodenheim - vineyard tractor tour with wine tasting and brown-bag lunch |

**TUESDAY, 2ND JUNE 2026: SEMINAR ROOM, MPIC BUILDING AT THE UNIVERSITY CAMPUS
MAX-PLANCK-INSTITUT FÜR CHEMIE, (OTTO-HAHN-INSTITUT), HAHN-MEITNER-WEG 1, 55128 MAINZ**

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| 08:20 | Welcome (10 min) from Andreas Daiber and Thomas Berkemeier |
| | Presentation of research structures in Mainz that are part of EXPOHEALTH, part I – Chairs: Tilman Grune & Giuseppe Valacchi |
| 08:30 | Department of Cardiology - Clinical trials, novel drugs and future trends (60 min) Philipp Lurz (UMC-Mainz) |
| 09:30 | Center for Thrombosis and Hemostasis – CuraTime project, microbiota-heart axis and atherothrombotic pathways (60 min) Christoph Reinhardt (CTH Mainz) Michael Molitor (CTH Mainz, UMC Mainz) |
| 10:30 | COFFEE BREAK |
| 11:00 | Institute of Molecular Biology – genome stability and epigenetics (60 min) René Ketting (IMB Mainz) |
| 12:00 | Paul-Klein-Center for Immune Intervention – personalized medicine (60 min) Nadine Hövelmeyer (UMC Mainz, PKZI) |
| 13:00 | LUNCH |
| | Presentation of excellence institutes in Mainz that are part of EXPOHEALTH, part II – Chairs: |

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| | Pablo Evelson & Natalia Magnani |
| 14:00 | Translational Oncology Mainz – Quo vadis cancer therapy? (60 min) Thomas Kindler (UMC Mainz, TRON) |
| 15:00 | Max Planck Institute for Polymer Research - Novel insights in polymers and soft materials (60 min) Tanja Weil & Uladzimir Barayeu & Aleksandra Pavicevic (MPIP Mainz) |
| 16:00 | SHORT REFRESHMENT |
| 16:20 | Leibniz Institute for Resilience Research – Translational models for social stress and resilience: a systems biology perspective (60 min) Marianne Müller (LIR Mainz) |
| 17:20 | EXPOHEALTH talk: Resilience mechanisms against environmental stressors (20 min) Dilja Krüger-Burg (UMC Mainz, JGU) |
| | Presentation of the Max Planck Institute for Chemistry – Chairs: Marin Kuntic & Timoteo Marchini (University of Freiburg) |
| 17:40 | Multiphase Chemistry (20 min) Uli Pöschl (MPIC Mainz) |
| 18:00 | Aerosol Chemistry (20 min) Yafang Cheng (MPIC Mainz) |
| 18:20 | Atmospheric Chemistry (20 min) Eric Kort (MPIC Mainz) |
| 18:40 | End of the meeting |

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