



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**

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	The exposome concept (20 min) Andreas Daiber (UMC Mainz)
08:30	Epidemiological assessment of exposure health effects (20 min) Daniel Wollschläger (UMC Mainz)
08:50	Air pollution health impact and redox considerations (20 min) Mark Miller (University of Edinburgh)
09:10	Noise pollution health impact and redox considerations (20 min) Thomas Münzel (UMC Mainz)
09:30	Cardiovascular damage by noise and/or PM (UFP) in preclinical models – lung/brain-heart axis (20 min) Marin Kuntic (UMC Mainz)
09:50	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	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	Non-optimal temperatures and health impact with focus on cardiovascular diseases (20 min) Omar Hahad (UMC Mainz)
11:20	Computational modelling of climate hazards and interaction with air pollution (20 min) Andrea Pozzer (MPIC Mainz / Cyl)
11:40	Impact of weather and temperature on toxicity of air pollutants (20 min) Yafang Cheng (MPIC Mainz)
12:00	Redox-metabolic reprogramming by cold temperatures (20 min) Aleksandra Jankovic (University of Belgrade)
12:20	Hibernation: Molecular remodeling sustains life in the cold (20 min) Bato Korac (University of Belgrade)

12:40	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
14:00	Nutritional Modulation of environmental damage in model systems (20 min) Tilman Grune (German Institute for Nutritional Research, DIfE)
14:20	Mitigation of environmental exposure risk factors by physical exercise (20 min) Daniela Caporossi (Università degli Studi di Roma)
14:40	Particulate matter induces tissue OxInflammation: From mechanism to prevention (20 min) Pablo Evelson (University of Buenos Aires)
15:00	Targeting inflammatory and oxidative pathways to prevent particulate matter-induced cardiac damage (20 min) Natalia Magnani (University of Buenos Aires)
15:20	Inflammasome involvement in skin response to pollution exposure (20 min) Giuseppe Valacchi (University of Ferrara, NC State University)
15:40	Interventions against and measurement of skin aging (20 min) Florian Gruber (University of Vienna)
16:00	SHORT REFRESHMENT
	Presentation of the Max Planck Institute for Chemistry – Chairs: Marin Kuntic & Timoteo Marchini (University of Freiburg)
16:10	Multiphase Chemistry (25 min) Uli Pöschl (MPIC Mainz)
16:35	Atmospheric Chemistry (25 min) Jos Lelieveld (MPIC Mainz)
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
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08:20	Welcome (10 min) from Andreas Daiber and Thomas Berkemeier
	Presentation of research structures in Mainz, 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: 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)

	min) Frauke Gräter & Uladzimir Barayeu (MPIP Mainz)	
16:00	COFFEE BREAK	
16:30	Leibniz Institute for Resilience Research – Translational models for social stress and resilience: a systems biology perspective (60 min) Marianne Müller (LIR Mainz)	
	EXPOHEALTH session IV - Chairs: Marianne Müller & Florian Gruber	
17:30	Resilience mechanisms against environmental stressors (20 min) Dilja Krüger-Burg (UMC Mainz, JGU)	
17:50	Hypoxia by high altitude and resilience/repair pathways (20 min) Martin Feelisch (University of Southampton)	
18:10	Increasing oxidative stress resistance in the brain by NRF2 activation (20 min) Giovanni Mann (King's College London)	
18:30	End of the meeting	

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