smart MEMBRANES

MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG

Micro- and Nanoplastic Workshop

Program

Thursday, 12 November 2026

- **12:00–13:00** Registration and welcome snack
- **13:00–13:15** Official opening (Prof. Ralf Wehrspohn)
- **13:15–15:15** **Session 1: Analytics & Reference Materials**
- **13:15–13:45** German Environment Agency – Overview of regulatory initiatives and current standardization in the field of microplastics (Dr. Ulrike Braun)
- **13:45–14:15** BAM – Reference materials and harmonization in micro- and nanoplastic analysis (Dr. Korinna Altmann)
- **14:15–14:45** Photothermal Spectroscopy Corp GmbH – Smaller Plastics, Bigger Risks: Correlative Raman and O-PTIR Microspectroscopy for High-Confidence Identification of Submicron Microplastics (Dr. Mustafa Kansiz)
- **14:45–15:15** SmartMembranes GmbH – Advanced Micro- and Nanoplastic Filtration System (Dr. Hardik Vaghasiya)
- **15:15–15:45** Coffee break and poster session
- **15:45–16:45** **Session 2: Impact and Relevance**
- **15:45–16:15** KIAST – Detecting Micro- and Nanoplastics in Complex Matrices: Utilizing 450 Si Filters for Biological and Drinking Water Samples (Dr. Jaehak Jung)
- **16:15–16:45** Fraunhofer ISIT – Microfabrication of Sub-Micron Pore Filters: Ready-to-Analyze Si Membranes for Microplastic Characterization (Dr. Jeong Yeon Hwang)
- **From 17:45** Social event
- **From 19:00** Dinner at Wenzel Prager Bierstuben

Friday, 13 November 2026

- **09:00–09:15** Welcome and schedule for the day (Dr. Monika Lelonek)
- **09:15–09:30** University Hospital Halle – Cardiovascular impact of MP/NPs (Dr. Lars Saemann)
- **09:30–10:00** HORIBA Scientific – Raman spectroscopy for Microplastics analysis: assessing human exposure (Dr. Alina Maltseva)
- **10:00–10:15** Workshop Introduction (Dr. Hardik Vaghasiya)
- **10:15–11:00** LabTour SmartMembranes (Dr. Piotr Pawlik, Hannes Knispel) and BCMC (Stephanie Rupf)
- **11:00–11:15** Coffee break with poster session
- **11:15–13:00** **Workshop: Filtration and Analytics (practical part)** (Dr. Hardik Vaghasiya, Hoang-Thinh Nguyen, Susanne Grammsal)
- **13:00–14:00** Lunch
- **14:00** Discussion (Prof. Ralf Wehrspohn, Dr. Monika Lelonek)
- **From 14:30** End of the workshop

