

Use of Genotoxicity Methods for Human Biomonitoring:

Prevention – Diagnosis and Therapy of Cancer

International Workshop, June 6th 2025, Location: Hörsaalzentrum 7L (7th floor), AKH, Vienna

Time	Title	Lecturer	Duration (min)
10.00-10.05	Welcome Address <i>Medical University of Vienna, Austria</i>	Maria Sibia	5
10.05-10.10	Topics of the Workshop <i>Medical University of Vienna, Austria</i>	Miroslav Misik	5
10.10-10.25	Importance of DNA Damage Biomarkers in Human Biomonitoring <i>Genome Health Foundation, Australia</i>	Michael Fenech	15
10.25-10.45	Biomarkers of Early Effect in Biomonitoring: a Long and Inspiring Journey <i>IRCCS San Raffaele Roma</i>	Stefano Bonassi	20
Occupation			
10.45-11.05	Using NanoSeq to Study Mutational Signatures of Carcinogens and Chemotherapeutics <i>GSK R&D, Hertfordshire, United Kingdom</i>	Halh Al-Serori	20
11.05-11.25	Use of Micronucleus Experiments with Buccal Cells in Occupational Biomonitoring <i>ASU Experts Graz, Austria</i>	Georg Wultsch	20
11.25-11.45	Use of the Comet Assay in Occupational Studies <i>NILU, Kjeller, Norway</i>	Maria Dusinska	20
11.45-12.05	Assessment of Occupational Exposures to Combustion-derived Carcinogens by Monitoring Urinary Metabolites of Polycyclic Aromatic Hydrocarbons (PAHs) <i>Health Canada, Ottawa, Canada</i>	Paul White	20
12.05-12.30	Discussion		
12.30-13.30	Lunch		
Nutrition, obesity and diabetes			
13.30-13.50	Dietary Intervention Studies with Humans <i>Medical University of Vienna, Austria</i>	Miroslav Misik	20
13.50-14.10	Impact of Overweight and Weight Loss on DNA Damage in Humans and Underlying Mechanisms <i>University of Wuerzburg, Germany</i>	Helga Stopper	20
Lifestyle			
14.10-14.30	Genotoxic and Cytotoxic Effects of Electromagnetic Fields <i>Medical University of Vienna, Austria</i>	Michael Kundi	20
14.30-14.45	Induction of DNA Damage in Smokers and Chewers <i>Yerevan, Armenia</i>	Armen Nersesyan	15
14.45-15.20	Coffee break		
Disease and therapy			
15.20-15.35	Periodontitis - DNA Damage and Cancer <i>Medical University of Vienna, Austria</i>	Maximilian Scharnagl	15
15.35-15.50	Use of Human Genotoxicity Methods to Assess the Radiosensitivity of Cancer Patients <i>Institute for Oncology and Radiology of Serbia, Belgrade, Serbia</i>	Ivana Matic	15

Time	Title	Lecturer	Duration (min)
Others			
15.50-16.10	Use of Telomere Lengths in Human Biomonitoring studies <i>University of Copenhagen, Denmark</i>	Peter Moller	20
16.10-16.25	Use of Micronucleus Experiments with Exfoliated Cells for the Detection of Bladder and Cervical Cancer <i>Medical University of Vienna, Austria</i>	Siegfried Knasmueller	15
16.25-16.40	Advancing Standardization in Occupational Monitoring Through Automated Microscopy <i>MetaSystems Hard & Software GmbH, Altussheim, Germany</i>	Christian Schunck	15
16.40-18.00	Discussion/Closing Remarks	Siegfried Knasmueller	

For more detailed information please contact directly the organizers (Miroslav Misik miroslav.misik@meduniwien.ac.at)

How to get there

The AKH, located at Währinger Gürtel 18-20, 1090 Vienna, can be easily reached by public transport - from the underground station U6 Michelbeuern-AKH, a pedestrian bridge leads to the main entrance. The trams 5 and 33 (station Lazarettgasse) stop in front of the entrance Spitalgasse 23.

