

ICAW - EEMGS 2022 tentative programme

Monday 23 May	09:00-09:30	Registration AOP workshop
	10:00-12:30	Pre-conference AOP workshop - Trainers: Dalma Martinovic-Weigelt (University of St. Thomas, USA) and Sivakumar Murugadoss (Sciensano, Belgium)
	12:30-13:30	Lunch for AOP workshop
	12:30-13:30	Registration EEMGS/ICAW
	13:30-13:45	Welcome by EEMGS (Sabine Langie) and ICAWG (Goran Gajski)
	13:45-14:30	Keynote speaker: <i>(Chair: S. Langie)</i> Birgit Mertens (Sciensano, Belgium) "Four decades of genotoxicity testing: innovations on the horizon"
	14:30-15:30	Session 1: Human biomonitoring <i>(Chairs: G. Gajski and A. Opatova)</i>
	14:35-15:00	Nancy B Hopf (Unisante, Centre universitaire de médecine générale et santé publique, Lausanne, Switzerland) - "Carcinogenic exposure biomarkers in human populations"
	15:00-15:15	Poppy Evenden (INSERM & Université de Caen Normandie, France) - "Ten-year DNA damage evolution of French female farm workers and link with cancer development."
	15:15-15:30	Egzi Eyluel Bankoglu (University of Wuerzburg, Germany) - "The Comet Assay as a Human Biomonitoring Tool: effect of cryopreservation and blood cell type"
Tuesday 24 May	15:30-15:45	Susana Viegas (Public Health Research Centre, Portugal) "Occupational exposure to antineoplastic drugs - What are the gaps?"
	15:45-16:15	Coffee break
	16:15-17:15	EEMGS award lecture <i>(Chair: A. Azqueta)</i>
	17:30-19:00	Poster presentation 1 & Welcome reception
	08:30-09:00	Registration
	09:00-10:30	New Investigators EEMGS session <i>(Chairs: S. Vodenkova and M. Novak)</i>
	09:00-09:15	Shan Wang (Maastricht University, The Netherlands) - "The role of dietary AhR ligands in the development of inflammation bowel disease and subsequent risk of colitis-associated cancer"
	09:15-09:30	Julen Sanz-Serrano (University of Navarra, Spain) - "In vitro mutagenicity assessment of fried meat-based food and French fries from mass catering companies"
	09:30-09:45	Merle M Nicola (University of Wuppertal, Germany) - "Mechanistic investigations of Mn-induced oxidative stress, DNA damage, DNA repair, and neurodegeneration in two different model systems"
	09:45-10:00	Katarina Matkovic (Institute for Medical Research and Occupational Health, Croatia) - "Does air pollution have an impact on our DNA? Measuring DNA damage by the comet assay and BTEX exposure in human blood cells"
Wednesday 25 May	10:00-10:15	Lucia Nanić (Ruđer Bošković Institute, Croatia) - "Influence of antioxidants resveratrol and melatonin on telomere dynamics and DNA damage in liver and kidney of the Wistar rat model of aging"
	10:15-10:30	2x pitch presentations: - Karolina Sunjog (University of Belgrade, Serbia) - "Genotoxicity of European chub (<i>Squalius cephalus</i> L. 1758) erythrocytes as an effective indicator in monitoring of water bodies under different pollution pressure" - Michaela Blažicková (Slovak Academy of Sciences, Slovakia) - "Comparison of biological activity of thymol and newly synthesized derivative on colorectal cancer cells"
	10:30-11:00	Coffee break
	11:00-13:00	BEMS/DEMS session: New approaches to assess genotoxicity of poorly soluble materials <i>(Chairs: B. Mertens and S. Wang)</i>
	11:00-11:10	Welcome by BEMS/DEMS and overall intro of session
	11:10-11:40	Tanja Schwerdtle (University of Potsdam & German Federal Institute for Risk Assessment (BfR), Germany) - "Arsenolipids: lessons learned from cells, worms, flies and mice."
	11:40-12:10	Vanessa Viagas (Cobalt Institute, UK) - "A tiered testing approach to predict genotoxicity and carcinogenicity of poorly soluble cobalt compounds"
	12:10-12:40	Naveed Honarvar (BASF SE, Germany) - "Adaptation of the in vitro Micronucleus Assay for nanomaterial testing: A status Update"
	12:40-13:00	2x pitch presentations: - Lucia Bálintová (Biomedical Research Center of the Slovak Academy of Science, Slovakia) - "Biosafety determination of innovative nanocomposites with potential application in regenerative medicine" - Tamara Cetkovic (University of Sarajevo, Bosnia and Herzegovina) - "Graphene oxide: DNA damage induction in HEK 293T cells" - Karla Košić (University of Zagreb, Croatia) - "Exposure to silver nanoparticles and silver nitrate induces oxidative damage to key biological macromolecules in tobacco plants"
	13:00-14:00	Lunch
Thursday 26 May	14:00-15:00	EEMGS/ICAW GA
	14:00-15:30	Poster session 2
	15:30-16:00	Coffee break
	16:00-17:30	Session 2: Nutrition & nutraceuticals <i>(Chairs: H. Stopper and M. Gerić)</i>
	16:05-16:30	Doris Marko (Vienna, Austria) - "Critical interplay between gut microbiome and mycotoxins with consequences for genotoxicity"
	16:30-16:50	Goran Gajski (Institute for Medical Research and Occupational Health, Croatia) - "DNA damage, oxidative and inflammatory status in vegetarians compared to omnivores"
	16:50-17:05	Simone van Breda (Maastricht University, The Netherlands) - "Health effects of red meat products containing phytochemicals and reduced levels of nitrite: the PHYTOME project"
	17:05-17:20	Julia DeBenedictis (Maastricht University, The Netherlands) - "The protective effects of phytochemicals against DNA damage"
	17:20-17:30	2x pitch presentations: - Deni Kostelac (Zagreb University, Croatia) - "Heat killed paraprobiotic Lactiplantibacillus plantarum S1 reduces DNA damage in induced oxidative stress" - Khalil Messaouda (Université Guelma, Algeria) - "Genotoxicity assessment of some industrially processed meat products in the human Caco-2 cell line using the alkaline comet assay"
	18:30-00:00	Conference dinner & party
Friday 27 May	09:00-10:30	Session 3: Recent progresses in the field of genotoxicity testing - Part 1 <i>(Chairs: R. Godschalk and S. Kolarević)</i>
	09:05-09:30	Maria Dusinska (NILU, Norway) - "Hazard assessment of nanomaterials with the comet assay; what properties determine genotoxicity?"
	09:30-09:45	Helga Stopper (University of Wuerzburg, Germany) - "Genotoxicity of pyrrolizidine alkaloids in HepG2 cells in vitro"
	09:45-10:00	Yvette Driven (Norwegian Institute of Public Health, Norway) - "Assessing testicular germ cell DNA damage in the comet assay; introduction of a proof-of-concept"
	10:00-10:15	Monika Sramkova (Slovak Academy of Sciences, Slovakia) - "Use of advanced in vitro systems for risk assessment of xenobiotics"
	10:15-10:30	Timur Tug (TU Dortmund University, Germany) - "Statistical consideration for analysing negative and positive control in vivo alkaline comet assay data"
	10:30-11:00	Coffee break
	11:00-11:50	Open discussion: Factors that influence comet data interpretation <i>(Moderated by R. Godschalk and A. Collins)</i>
	11:55-13:00	Session 3: Recent progresses in the field of genotoxicity testing - Part 2 <i>(Chairs: A. Collins and E. E. Bankoglu)</i>
	11:55-12:10	2x pitch presentations: - Alena Opatova (Czech Academy of Sciences & Charles University, Czech Republic) "DNA repair in ovarian cancer therapy response: The role of MRE11" - Mahamunara Adil Rameez (University of Veterinary and Animal Sciences, Pakistan) - "Genotoxic evaluation of furazolidone, propargolol and digoxin alone and in combination by using comet assay"
Saturday 28 May	12:10-12:35	Paul White (Health Canada, Canada) - "Quantitative Interpretation of In Vivo Mutagenicity Dose Response Data for Regulatory Decision-making: Recent Progress and Persistent Challenges"
	12:35-13:00	Marie Vasquez (Helix3, USA) - "HESI GTTC Comet Project - An update"
	13:00-14:00	Lunch
	14:00-18:30	Social programme
	09:00-10:30	Session 4: Applications of the comet assay in ecotoxicology <i>(Chairs: B. Pourrut and T. Cetković)</i>
	09:05-09:30	Stojimir Kolarević - (University of Belgrade, Serbia) - "Application of comet assay in aquatic organisms – a summary and lessons learned in past 10 years of field research"
	09:30-09:50	Marko Gerić (Institute for Medical Research and Occupational Health, Croatia) - "Heavy metals: a grand tour"
	09:50-10:05	Marc Bonnard (Université de Reims Champagne-Ardenne, France) - "Recent advances in the development of the comet assay on the hemocytes of zebra mussels and its application in field studies for evaluating environmental genotoxicity."
	10:05-10:20	John Einset (University of Oslo, Norway) - "Measuring DNA Strand Breaks in Plant Models"
	10:20-10:30	2x pitch presentations: - Manuela Macri (University of Torino, Italy) - "The comet assay in Pieris brassicae (Lepidoptera, Pieridae): a useful tool to evaluate genotoxic effects induced by particulate matter (PM10)" - Mujo Hasanović (University of Sarajevo, Bosnia and Herzegovina) - "Could DNA damage in Ligustrum vulgare L. leaves also indicate soil pollution"
Sunday 29 May	10:30-11:00	Coffee break
	11:00-12:30	Session 5: Technical innovations of the comet assay <i>(Chairs: A. Azqueta and D. Oskan Yavdar)</i>
	11:05-11:30	Bojana Zegura (National Institute of Biology, Slovenia) "Spheroids → a 3D cell based system for genotoxicity assessment"
	11:30-11:55	Erik Blivhehd (Uppsala University, Sweden) - "Comet assay from a new perspective introducing the Flash-comet – from hairpins to low conductive medium"
	11:55-12:15	Bevin P. Engelward (MIT Dept. of Biological Engineering, USA) - "HepaCometChip: A Cell-Based Platform to Replace Animal Studies of Liver Genotoxicity"
	12:15-12:30	Aliy Zhazantayev (Research Zakusov Institute of Pharmacology, Russia) - "Electrophoresis with vertically-oriented comet slides: advantages and disadvantages"
	12:30-13:00	Closing - award giving and next meetings