



CONFERENCE PROGRAMME

SUNDAY		5 th October 2025	
15:00 – 18:00	Registration of participants		
18:00 – 19:00	Opening ceremony Chairs: <i>Irena Brčić Karačonji, Maja Lazarus, Dubravka Rašić</i>		
19:00 – 19:45	IL-1	Michael Burnet <i>Tübingen, Germany</i>	The role of preliminary toxicology observations in early drug discovery – the need for predictive assays for new drug modalities
20:00	Welcome reception (dinner&music)		
MONDAY		6 th October 2025	
8:00 – 9:00	Posters will be put up by presenters		
SESSION 1 – BIOTHREATS & FOOD TOXINS Chairs: <i>Goran Gajski, Ana Huđek Turković</i>			
9:00 – 9:35	IL-2	Isabelle P. Oswald <i>Toulouse, France</i>	Deoxynivalenol: a new effect of an old toxin
9:35 – 10:10	IL-3	Dušan Mišić <i>Wrocław, Poland</i>	Bacterial toxins as biological weapons
10:10 – 10:25	OP-1	Aleksandra Daria Rajewska <i>Wrocław, Poland</i>	Natural extracts as inhibitors of bacterial toxin production and the mechanisms of their inactivation
SESSION 2 – FROM ANALYTICS TO THE CLINIC <i>part 1</i> Chairs: <i>Željka Babić, Smiljana Milošev-Tuševljak</i>			
10:25 – 10:50	Gold Sponsor Presentation	INEL – medicinska tehnika d.o.o. Jianru Stahl-Zeng <i>SCIEX, Germany</i>	Simultaneous identification and quantitation of novel psychoactive substances (NPS) in human whole blood using liquid chromatography-tandem mass spectrometry (LC-MS/MS) technology
10:50 – 11:05	OP-2	Tanja Živković Semren <i>Neuchâtel, Switzerland</i>	Real-time exhaled breath analysis: investigating the dynamic nature of breath constituents

11:05 – 11:20	OP-3	Mojca Dobaja Borak Ljubljana, Slovenia	Snake venom snakec Vaa-snaclec-3/2 induces reversible thrombocytopenia and prevents arterial thrombosis
11:20 – 12:00 <i>Poster viewing and Coffee break sponsored by Toxics</i>			
SESSION 2 – FROM ANALYTICS TO THE CLINIC <i>part 2</i> Chairs: <i>Arnes Rešić, Irena Žuntar</i>			
12:00 – 12:35	IL-4	Elisabeth Varga Vienna, Austria	Ichthyotoxins – from screening to exploring the mode of action
12:35 – 12:50	Silver Sponsor Presentation	Borna Ferčec Altium International d.o.o.	Altium PFAS Workflow Solutions
12:50 – 13:05	OP-4	Zrinka Franić Zagreb, Croatia	Carbon monoxide poisonings reported in the Croatian Poison Control Centre in a ten-year period
13:05 – 13:20	OP-5	Ines Potočnjak Zagreb, Croatia	Reported adverse drug reactions (ADRs) of semaglutide: assessing safety signals amid increasing off-label use – a pharmacovigilance analysis of the EudraVigilance database
13:20 – 14:45 <i>Lunch break</i>			
SESSION 3 – ECO HAZARDS Chairs: <i>Daniel Mark Lyons, Andreja Prevendar Crnić</i>			
14:45 – 15:20	IL-5	Davor Šakić Zagreb, Croatia	Chlorinated nucleobases: an unexpected (eco)toxicological profile
15:20 – 15:55	IL-6	Marta Sendra Seville, Spain	Using zebrafish (<i>Danio rerio</i>) to uncover the mechanisms of nanoplastics interaction and toxicity
15:55 – 16:45 <i>Poster viewing and Coffee break sponsored by Toxics</i>			
SESSION 4 – YOUNG SCIENTISTS AWARDS Chairs: <i>Vesna Benković, Nevenka Kopjar</i>			
16:45 – 17:00	YSL-1	Tim Ravnjak Ljubljana, Slovenia	Cellular responses to nuclear receptor activating chemicals in HepG2 spheroids: effects on viability, proliferation, and genotoxicity
17:00 – 17:15	YSL-2	Iza Rozman Ljubljana, Slovenia	Toward the safer use of nanomaterials: (geno)toxicity evaluation of ferrite-based nanoparticles in HepG2 spheroids
17:15 – 17:30	YSL-3	Lucija Marčelić Zagreb, Croatia	Effects of N-alkyl quaternary quinuclidines on oxidative stress biomarkers in SH-SY5Y cells
17:30 – 17:45	YSL-4	Petra Tuksar Zagreb, Croatia	Novel cholesterol- and quinoline-based oximes as potential antidotes for organophosphate nerve agent poisoning
17:45 – 18:00	YSL-5	Jovana Živanović Belgrade, Serbia	Disruption of ovarian redox balance by bisphenol mixtures: a comparison with individual exposures
18:00 – 18:15	YSL-6	Mateo Jakac Pula, Croatia	Cyto/genoprotective effects of propolis <i>in vitro</i>
18:15 – 18:30	YSL-7	Jovan Baljak Novi Sad, Serbia	Toxicological and clinical aspects of paediatric drug poisoning in Vojvodina, Serbia

18:30 – 18:45	YSL-8	Zoran Kiralj <i>Zagreb, Croatia</i>	The impact of abandoned coal mines on water and sediment pollution in the Mura River
18:45 – 19:00	YSL-9	Anita Tarandek <i>Zagreb, Croatia</i>	Effects of pharmaceuticals and personal care products on the fitness of freshwater fauna: a systematic review and meta-analysis
19:00 – 20:00	<i>Posters will be taken down by presenters</i>		

TUESDAY 7 th October 2025			
SESSION 5 – ENVIRONMENTAL MONITORING & CONTAMINANTS			
Chairs: <i>Sanja Stipičević, Blanka Tariba Lovaković, Suzana Žunec</i>			
9:00 – 9:35	IL-7	Ivan Senta <i>Zagreb, Croatia</i>	Municipal wastewater – a valuable source of epidemiological information
9:35 – 10:10	IL-8	Darija Klinčić <i>Zagreb, Croatia</i>	Brominated flame retardants – insights into environmental distribution and risks
10:10 – 10:25	OP-6	Vlatka Buzjak Služek <i>Osijek, Croatia</i>	Exposure assessment of children to lead from different types of food in Croatia
10:25 – 10:40	OP-7	Antonija Sulimanec <i>Zagreb, Croatia</i>	From market to table: fungicide residues in total diet samples in the Zagreb region
10:40 – 10:55	OP-8	Marija Macan <i>Zagreb, Croatia</i>	Association of dietary exposure to pyrethroid and organophosphate insecticides with gonadotropins, testosterone, and dehydroepiandrosterone sulphate in primary school boys
10:55 – 11:10	OP-9	Maria de la Cruz Gomez Pellin <i>Alicante, Spain</i>	Adipose tissue cadmium levels and reduced PON1 activity in serum: clinical implications from the GraMo cohort
11:10 – 11:25	OP-10	Patricia Tomac <i>Zagreb, Croatia</i>	Neuropsychology, toxicology, and human development: neurobehavioral effects of insecticide exposure during puberty and adolescence
11:25 – 12:00	<i>Coffee break</i>		
SESSION 6 – GENOTOXIC SIGNALS			
Chairs: <i>Mirta Milić, Bojana Žegura</i>			
12:00 – 12:35	IL-9	Nancy B. Hopf <i>Lausanne, Switzerland</i>	Micronuclei as early warning signals: strengthening exposure science for protecting human populations
12:35 – 13:10	IL-10	Goran Gajski <i>Zagreb, Croatia</i>	Spotlight on radiation: tracking its effects in children with blood and buccal micronucleus assays
13:10 – 13:25	OP-11	Martina Štampar <i>Ljubljana, Slovenia</i>	Automated quantitative fluorescence microscopy and image feature analysis for high-content <i>in vitro</i> toxicity screening
13:25 – 13:40	OP-12	Metka Filipič <i>Ljubljana, Slovenia</i>	Genotoxicity of nicotine and tobacco products – review of available evidence
13:40 – 15:00	<i>Lunch break</i>		
15:30	<i>City tour</i>		
20:00	<i>Congress dinner (&music)</i>		

WEDNESDAY 8 October 2025

SESSION 7 – AQUATIC HAZARDS

Chairs: *Zrinka Dragun, Maja Lazarus*

9:00 – 9:35	IL-11	Petra Burić <i>Pula, Croatia</i>	Anthropogenic pollutants and the modern environmental burden: insights from sea urchin toxicity studies
9:35 – 10:10	IL-12	Natalija Topić Popović <i>Zagreb, Croatia</i>	Vulnerability of fish to treated sewage effluents
10:10 – 10:25	OP-13	Marijana Erk <i>Zagreb, Croatia</i>	Seasonal and environmental modulation of anaerobic strategies in <i>Synurella ambulans</i> from the hyporheic zone of the Sava River
10:25 – 11:00	<i>Coffee break</i>		

SESSION 8 – OCCUPATIONAL TOXICOLOGY

Chairs: *Biljana Antonijević, Jelena Macan*

11:00 – 11:35	IL-13	Francesca Larese Filon <i>Trieste, Italy</i>	Reprotoxics in workplaces: focus on gender differences
11:35 – 11:50	OP-14	Jelena Macan <i>Zagreb, Croatia</i>	Guidelines on workplace risk assessments for pregnant workers exposed to chemical hazards
11:50 – 12:05	OP-15	Željka Babić <i>Zagreb, Croatia</i>	Reprotoxic risks in the hairdressing profession: efforts to protect worker health
12:05 – 12:40	IL-14	Dražen Lušić <i>Rijeka, Croatia</i>	Unveiling honey origin and authenticity: a comprehensive perspective
12:40 – 13:00	<i>Closing ceremony</i>		