TESTING THE WATERS 7 CONFERENCE

Agenda

Monday – October 21st, 2024

12:00 - 13:00	**Registration**
13:00 – 13:15	**Welcome** **Sara Castiglioni,** Coordinator SCORE
13:15 – 13:45	**SCORE network: opportunities and new developments** The SCORE Network from the beginning to nowadays - **Sara Castiglioni** New data platform for ILS and monitoring data collection - **Lubertus Bijlsma** Future perspectives from internal surveys and the EU-WISH project - **Jose Antonio Baz-Lomba** moderated by João Matias
13:45 – 15:30	**Session 1 Technical developments in drug analysis** *Chairs:* **Magda Psichoudaki + Tim Boogaerts**
13:45 – 14:05	Real-time measurement of drug consumption with mobile mass-spectrometer system MS2Field – **Stephan Baumgartner**
14:05 – 14:25	Developing sensitive methods for the detection of designer drugs in influent wastewater- **Dhayaalini Nadarajan**
14:25 – 14:45	A LC-MS/MS Method for the Determination of Kava (Piper methysticum) Compounds in Wastewater - **Lorato Makanyea**
14:45 – 15:05	Rapid High-Throughput Determination of Illicit Drugs in Wastewater by Direct Injection-LC-MS/MS. Application to the field of Wastewater-Based Epidemiology – **Lubertus Bijlsma**
15:05 – 15:45	**Coffee break**
15:45 – 17:25	**Session 2 Temporal / special trends** *Chairs: Jeong-Eun Oh + Nicola Ceolotto*
15:45 – 16:05	Spatial and temporal trends of illicit drugs consumption in Italy: a 12-years monitoring through wastewater analysis – **Noelia Salgueiro-Gonzalez**
16:05 – 16:25	One year of drug monitoring in wastewaters in Luxembourg **– Nicolas Villani**
16:25 – 16:45	Assessment of alcohol consumption in two cities in Cyprus through wastewater analysis: temporal trends and implications -**Magda Psichoudaki**
16:45 – 17:05	A Wastewater-Based Approach to Monitor Shifting Trends in Illicit Drugs Consumption in Switzerland - **Livia Andrani**
17:05 – 17:25	Application of WBE for Long-term Drug Use Surveillance in a U.S. Rural University Town - **Sheree Pagsuyoin**
19:00	**Dinner – Casa do Alentejo, Rua Portas de Santo Antão, 58 1150-268 Lisbon**

Tuesday – October 22nd, 2024

9:00 – 9:30	**Keynote: Richard Bade** moderated by Lubertus Bijlsma ***A decade of wastewater-based epidemiology to monitor the dynamic market of New Psychoactive Substances***

9:30 – 10:50	**Session 3 – Pharmaceuticals of potential abuse** *Chairs: Noelia Salgueiro-Gonzalez + Stephan Baumgartner*
9:30 – 9:50	Monitoring Pregabalin and Gabapentin via Wastewater-Based Epidemiology: Insights into Consumption Intentions – **Selda Mercan**
9:50 – 10:10	Wastewater-based evaluation of the efficacy of oxycodone regulations in Australia – **Jochen Mueller** *on behalf of Rory Verhagen*
10:10 – 10:30	Understanding Benzodiazepine Consumption Patterns Across Countries – **Maarten Quireyns**
10:30 – 10:50	First national study on benzodiazepines use across Spain by wastewater-based epidemiology – **Andrea Estévez-Danta**

10:50 – 11:30	**Coffee break**

11:30 – 12:45	**Session 4 – Ketamine – a new drug of abuse** *Chairs: Barbara Kasprzyk-Hordern + Richard Bade*
11:30 – 11:50	Ketamine usage in UK communities during COVID pandemics – **Nicola Ceolotto**
11:50 – 12:10	Ketamine, a New (or Old) Kid on the Block: A Comprehensive Three-Year Spatio-Temporal Study in Belgium Through Wastewater-Based Epidemiology – **Natan Van Wichelen**
12:10 – 12:30	Monitoring of Ketamine in Wastewater: Estimation of Licit and Illicit Consumption Trends – **Merve Kuloglu Genc**
12:30 – 12:50	K-Holes and Weekend Highs: Emerging Recreational Patterns of the Anaesthetic Drug Ketamine in Wastewater - **Emma Jaunay**

12:50 – 14:00	**Lunch**

14:00 – 14:30	**Keynote: Miren Lopez de Alda** moderated by Jose Antonio Baz Lomba ***Trends in Alcohol Consumption in Spain According to Wastewater Analyses***

14:30 – 16:10	**Session 5 –Policies and evaluation programs** *Chairs: Christoph Ort + Andrea Estévez-Danta*
14:30 – 14:50	Evaluating the Effect of the COVID-19 Pandemic on Consumption Trends of Psychoactive Pharmaceuticals in Slovenia and their Occurrence in the Aqueous Environment – **Maria Laimou-Geraniou**
14:50 – 15:10	Nationwide Assessment of Illicit Drug Consumption Patterns in South Korea using Wastewater-Based Epidemiology during the COVID-19 Pandemic (2020–2022) – **Jeong-Eun Oh**
15:10 – 15:30	Wastewater analysis in Australia: new insights and an integral part of drug policy and responses – **Shane Neilson**
15:30 – 15:50	Wastewater as a Tool to Evaluate the Efficacy of a Drug Takeback Program – **Daniel A. Burgard**

15:50 – 16:10	**Coffee break**

16:10 – 17:15	**Session 6 – Other settings** *Chairs: Jose Benito Quintana + Merve Kuloglu Genc*
16:10 – 16:30	Towards A Sediment-Based Epidemiology? – **Thomas Thiebault**
16:30 – 16:50	Determination of the use of substances of abuse and several psychoactive pharmaceuticals in a prison setting – **Xiana González-Gómez**
16:50 – 17:10	Estimating illicit production of MDMA from its production waste, a Dutch case study – **Thomas L. ter Laak**

17:10 – 17:15	**Closure** – Presentation of next TTW Conference - *Daniel A. Burgard* *ECRs Best platform and poster awards*

Poster Session

No.	Title	Presenting Author
1	Molecularly Imprinted Poly(2-(3-(amino)propyl)-2-oxazoline for detecting of biomarkers of oxidative stress (BOS) from biological matrices	Alfieri Davide
2	Wastewater-based epidemiology for the estimation of human exposure to phthalates and bisphenols in urban populations in Türkiye	ATASOY AYDIN Asli
3	Chiral Analysis of Amphetamine in Reykjavik Wastewater: Monitoring Recreational Use Trends	Bauer Adam Erik
4	Assessment of Illicit Drugs and Pharmaceuticals in Urban Wastewater: A study on Treatment Efficiency and Population Consumption Trends	Beltrán Beut Lola
5	Using wastewater as a tool to monitor induced food intake and changes	Bernier-Turpin Gauthier
6	A Combined Analytical-Epidemiological Approach To Assess Psychoactive Substances Use During Spanish Festive Events.	Bijlsma L.
7	Critical evaluation of the potential of wastewater-based epidemiology in measuring the impact of policy changes on illicit drug use	Boogaerts Tim
8	Targeted WBS for Drug Poisoning Agents - Moving Upstream of the WWTP	Bosdet Michael
9	A Novel Multicomponent LC-MS/MS Method For Wastewater Surveillance Of Biomarkers Of Exposure	Bouzoukas Christoforo
10	Assessment of psychoactive substance consumption in Santiago de Chile using wastewater analysis	Calzadilla Wendy
11	Routine Monitoring of Selected NPS in Aotearoa New Zealand	Chappell Andrew
12	Development Of Automated Workflow For LC-MS/MS Analysis Of Illicit Drugs, New Psychoactive Substances And Their Metabolites In Wastewater	Chow K.
13	Unraveling The Ketamine Consumption Trends in Chilean Urban Cities through Wastewater	Corthorn Francisca
14	Estimation of anti-diabetes drug metformin in Türkiye using wastewater-based epidemiology	DAGLIOGLU Nebile
15	Method Development and Validation for Detection of Anabolic- Androgenic Steroids in Wastewater	ERTAS Berfin Sude
16	Detection and Tracking of Microbial Resistance Genes of Public Health Interest in Wastewater through Molecular and Metagenomic Procedures	Feliciano Alves Duran Adriana
17	Temporal Assessment of Psychoactive Pharmaceuticals Use in Milan Over The COVID-19 Pandemic Years	Fossati Marco
18	Nicotine consumption trends in Spain determined by wastewater analysis during a 3-year monitoring by the ESAR-Net network.	González-Gómez X.
19	A Comparative Review of Wastewater-Based Methods For Estimating the Effective Reproduction Number (Rt)	Hill Dustin T.
20	Integrating Wastewater Monitoring for Enhanced Public Health in Remote Northern Communities: Insights and Lessons Learned in the Yukon Territory, Canada	Kharbouch Mohamed
21	Non-Target Analysis High-Resolution Mass Spectrometry Revealing Psychiatric and Illicit Drugs and Their Metabolites During COVID-19 Outbreak	Koronaiou Lelouda-Athanasia
22	Advancing Metagenomic Approaches for AMR Surveillance in Australian Wastewater	Lakhey Pooja
23	HRMS approaches for screening of persistent and mobile compounds in wastewaters: Potential adverse on the aquatic environment	Lambropoulou Dimitra
24	Application of WBE to Study the Variation in Antibiotics, Disinfectants, and Other Pharmaceutical Uses During the COVID-19 Pandemic	Mohapatra Sanjeeb
25	Standardization of Virome Panel for Epidemiological Surveillance of Wastewater	de Moraes Bomediano Camillo Lívia
26	The Impact of the Covid-19 Pandemic on Drug Use in the Czech Republic from the Point of View of the Epidemiological Approach to Wastewater.	Očenášková Věra
27	Neopterin as an Early Warning Tool against the Onset of Infectious Inflammatory Diseases	Očenášková Věra

28	Exploring psychoactive substances, metabolites, and transformation products: Comprehensive target and suspect screening in wastewater using high resolution mass spectrometry	Petromelidou Styliani
29	Antibiotic patterns in Northern Greece's wastewater during and after COVID-19: Environmental impact assessment	Petromelidou
30	Reporting Population Size In Wastewater-Based Epidemiology: A Scoping Review	Price Mackay
31	Estimation of illicit drug use by the Spanish population through the analysis of wastewater – A 3-year overview by the ESAR-Net network.	Quintana J.B.
32	Molecularly Imprinted Poly(2-(3-(amino)propyl)-2-oxazoline) For The Selective Removal Of Ibuprofen From Aqueous Solutions	Ricci Agnese
33	Intra-urban differences in health-relevant biomarkers in community wastewater in a German metropolitan area	Schmiege Dennis
34	WBEready – wastewater-based epidemiology and preparedness: Research needs for a roadmap for adaptive wastewater monitoring	Schmiege Dennis
35	Drugs in freshwater invertebrates in Luxembourg	Schneider Serge
36	Development And Optimization Of A Dispersive Liquid- Liquid Microextraction Coupled To LC-MS/MS Method For The Determination Of Selected Biomarkers In Wastewater	Siandri Eirini
37	The Complicated Case of Estimating Consumption of Cannabis by Wastewater Analysis	Simpson Bradley
38	Illicit Stimulants Consumption in Brazil: Findings from Wastewater Analysis in Eight Major Cities	Sodré Fernando F.
39	Development of a Sample Preparation Method to Assess the Occurrence and Fate of Heavy Metals in Municipal Wastewater in Turkey	Tekin Bulbul Tugba
40	Impact of reduced sampling frequency of illicit drug wastewater monitoring in the Netherlands	ter Laak Thomas L.
41	Synergistic Detection of Microplastics and Caffeine in Water Using an Electrocoagulation-Enriched SERS Methodology	Xu Qihang
42	Assessment of human exposure to pesticides in Türkiye: via wastewater-based epidemiology	YAVUZ GUZEL Evsen
43	Characteristics of Antibiotic Resistance Distribution from Wastewater to Air in Urban Wastewater Treatment Plants	Zhai Naixiang
44	The effect of modifiable areal unit problem (MAUP) on spatial aggregation of COVID-19 wastewater surveillance data	Zhu Yifan
45	First investigation of drugs in water and dust– case study of the Surrounding Area of El-Bey River in Grombalia Region (Tunisia)	Ines Zrafi
46	A High-throughput SPE LC-MS/MS Approach for the Quantification of Opioids in Wastewater	Katja Shimko