

X INTERNATIONAL CONFERENCE ON NOVEL PSYCHOACTIVE SUBSTANCES



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10TH INTERNATIONAL CONFERENCE ON NOVEL PSYCHOACTIVE SUBSTANCES

6TH – 8TH NOVEMBER 2023 **HYBRID**

ABU DHABI UNITED ARAB EMIRATES

PROGRAMME

CONFERENCE WEBSITE:

<https://www.novelpsychoactivesubstances.org>

Organising Committee

Dr Reema Alhosani, NAT Centre Abu Dhabi
Dr Suaad Aljaberi, NAT Centre Abu Dhabi
Dr Valeria Catalani, University of Hertfordshire
Professor Ornella Corazza, University of Hertfordshire and University of Trento
Dr Elisabeth Prevete, Sapienza University of Rome
Professor Olivier Rabin, World Anti-Doping Agency

Scientific Committee

Professor Ornella Corazza, University of Hertfordshire and University of Trento
Professor Olivier Rabin, World Anti-Doping Agency
Professor Giuseppe Bersani, Sapienza University of Rome
Dr Andrés Roman-Urrestarazu, University of Cambridge
Professor Owen Bowden-Jones, Central and Northwest London Club Drug Clinic
Professor Paul Dargan, King's College London
Dr Mariya Prilutskaya, Semey Medical University
Professor Gianluca Esposito, University of Trento
Dr Attilio Negri, ASST

Conference website

<https://www.novelpsychoactivesubstances.org/>

Social media

#NPSAbuDhabi

Introduction

In recent years, there has been a dramatic increase in the number of new psychoactive substances (NPS) detected across the world. The NPS market remains resilient and highly dynamic and is characterised by the emergence of large numbers of new substances reported in a growing number of countries.

Between 2009 and 2021, 134 countries and territories reported the emergence of 1 127 NPS to the United Nations Office on Drugs and Crime (UNODC), through the UNODC Early Warning Advisory on NPS. In Europe, since 1997, the European Monitoring Centre for Drugs and Drug Addiction (EMCDDA), has been monitoring and responding to NPS appearing on the market through the EU Early Warning System on NPS. At the end of 2021, the EMCDDA was monitoring over 880 NPS.

The increase in the number and availability of NPS in recent years has largely been driven by globalisation, the internet, and rapid changes in technology. Yet, recently, there have been some encouraging signs. For example, the number of NPS reported annually for the first time in Europe has dropped from a high of around 100 in 2014 and 2015 to around 50 in 2017 and in successive years.

Nevertheless, NPS continue to pose numerous challenges in terms of detecting, measuring, and monitoring; understanding patterns of use and caused harms; and developing appropriate public health responses. In Europe, around one new substance is still detected every week, increasing the overall number to be monitored. Major new problems have also emerged that have led to an increasing number and range of risks for people who use psychoactive substances. These include an increase in the number of highly potent NPS on the market — many of which are synthetic cannabinoids or synthetic opioids — somehow associated to the impact of the COVID-19 pandemic.

Faced with the numerous challenges posed by NPS, the International Society for the Study of Emerging Drugs (ISSED) strives to strengthen multidisciplinary and international collaboration, enhance knowledge, and improve the quality of information-sharing in this complex area. In this context, the NPS conference series, which this year marks its 10th Anniversary, is the major international event on NPS, attracting hundreds of participants worldwide. The increasing impact of NPS, and the role of global factors in shaping related threats, highlight our key role in providing reliable information in a timely manner and the need for international collaboration.

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Opening session

DAY 1. Monday 06 November 2023

7.00 – 8.00 On-site registration

Opening session
8.15 – 8.35 (GMT+4)

Welcome

Official Representative of the Government of Abu Dhabi
Ornella Corazza, University of Hertfordshire (UH; United Kingdom) and University of Trento (UniTn; Italy)
Olivier Rabin, World Anti-Doping Agency (WADA)
Reema Alhosani, NAT Centre Abu Dhabi

Plenary session I
08.35 – 10.15 (GMT+4)

Chairs. *Ornella Corazza (UH; UniTn) and Olivier Rabin (WADA)*

KEYNOTE I – Celebrating 10 Years of Achievements: A Comprehensive Analysis of the Impact of the NPS Conference Series

08.45 – 09.10 *Gianluca Esposito*
University of Trento, Italy

KEYNOTE II – NPS addiction a growing trend: clinical and therapeutic approach

9.10 – 9.35 *Amine Beyamina*
Hôpital Paul-Brousse, France

KEYNOTE III – NPS: Challenges and future outlooks - the analytical toxicologists points of view

09.35 – 10.00 *Vincenzo Abbate*
King's College London, United Kingdom

KEYNOTE IV – Emerging drugs and crimes in Sport: a call for collaboration between Sport Organizations and Law Enforcement

10.00 – 10.25 *Gunter Younger*
WADA

10-25 – 10.40 **Q&A**

11.00 – 11.30 *Break, Networking, Poster viewing*

Parallel session I – Policy and Legislation

11.30 – 13.00 (GMT+4)

Moderators. *Reema Alhosani (NAT Centre Abu Dhabi) and Valeria Catalani (University of Hertfordshire)*

11.30	Ten years of international collaboration to address the challenge of new psychoactive substances (<i>online</i>) <i>Justice Tettey, Sabrina Levissianos</i> United Nation Office on Drugs and Crime
11.45	Challenges in new psychoactive substances and traditional drugs of abuse testing in Saudi Arabia <i>Ahmed Al Asmari</i> King Abdul-Aziz Hospital, KSA
12.00	NPS and other emerging drugs in the Clearnet and Darkweb <i>Irene Mazzoni</i> WADA
12.15	Evolution of the Brazilian Drug Control System: case study of ADB-FUBIATA, a psychotropic NPS <i>Moema Luisa Silva Macedo, Luciana dos Santos Lopes, Gabriella Hamu Giudice, Renata de Moraes Souza</i> Brazilian Health Regulatory Agency, ANVISA, Brazil
12.30	Future of legalization of Cannabis and its impact on the availability of Synthetic Cannabinoids <i>Amany El Mougny</i> Erada Center for Treatment and Rehabilitation, Dubai, UAE
12.45 – 13.00	Q&A
13.00 – 14.00	Lunch Break

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Parallel session II – Prevention, Harm Reduction, Treatment and Clinical Management (II)
11.30 – 13.00 (GMT+4)

Moderators. *Giuseppe Bersani (Sapienza University) and Wael Foad (Erada Center)*

11.30	Novel drugs of abuse: What clinicians need to know? <i>Amany El Mougny</i> Erada Center for Treatment and Rehabilitation Dubai, UAE
11.45	“Youth 2.0 project”: multi-professional intervention to protect adolescents from NPS and other drug use’. Child neuropsychiatry and developmental disorders service <i>Valentina Rapaccini, Sonia Biscontini, Andrea Molinaro, Gian Paolo Di Loreto, Augusto Pasini, Ornella Corazza, Antonio Metastasio</i> University of Campus Bio-Medico, Rome, Italy
12.00	Informal use of Kratom for the self-treatment of heroin and Amphetamine-Type Stimulant (ATS): Findings from a sample of People Who Use Drugs (PWUDs) in Malaysia <i>Darshan Singh, Vicknasingam Balasingam, and Suresh Narayanan</i> University Sains Malaysia, Malaysia
12.15	A comparative study of Office-based injectable buprenorphine in opioid-dependence. Patients vs standard psychosocial treatment <i>Rami Mahmoud Mohammed Alhawi</i> Erada Center for Treatment and Rehab, Dubai, UAE
12.30	NPS from Public Health Perspective: Role of Prevention and Health Promotion <i>Huda Al Shemalli</i> Abu Dhabi Public Health Center (ADPHC), UAE
12.45 – 13.00	Q&A
13.00 – 14.00	Lunch Break

Parallel session III – NPS Use Settings, Experience and Trends (I) 14.15-16.45 (GMT+4)	
Moderators. <i>Maha Almazroua (MOH) and Elisabeth Prevete (Sapienza University)</i>	
14.15	The picture of The New Psychoactive Substances problem in Saudi Arabia Security Forces Hospital <i>Abdulaziz Aldlgan</i> Riyadh, KSA
14.30	Reviewing drugs trends in Welsh prisons and evaluating the role of people with lived experience of substance use in supporting prisoners in recovery <i>Mike Vigar, Caryl Watkins, Jenni Clifford, Mark Jones</i> HMP & YOI Parc - G4S, Higher Plain Research and Education, United Kingdom
14.45	New psychoactive substances (NPS) in Uzbekistan: motives and psychosocial needs among youth <i>Guzalkhon Zakhidova, Mariya V. Prilutskaya</i> Bukhara State Medical Institute ¹ , Uzbekistan
15.00	Synthetic cannabinoids use among inmates in an English Prison <i>Sam Craft, Alice Austin, Ian Blagborough, Peter Sunderland, Chris Pudney, Tom Freeman</i> University of Bath, United Kingdom
15.15 – 15.30	<i>Break, Networking, Poster viewing</i>
15.30	The effect of external influences on drug trends at music festivals in New Zealand, 2018 to 2023 (online) <i>Liam Philip, Chrissy Black, Gerry Powell, Lisa Clark, Cameron Johnson, Olivia Johnson</i> The Institute of Environmental Science and Research, New Zealand
15.45	‘Scary but brilliant’: The views of people who use SCRA in a community setting on a novel point-of-care SCRA detection device <i>Martine Skumlien</i> University of Bath, United Kingdom
16.00	New Psychoactive Substances (NPS) trends in the United States (online) <i>Emily D. Lockhart</i> U.S. Drug Enforcement Administration
16.15	New Psychoactive Substances consumption within the UK homeless population (online) <i>Thomas Coomb, Tilak Ginige, Patrick Van Calster, Amor Abdelkader, Ornella Corazza, Sulaf Assi</i> University Hospital Dorset, United Kingdom
16.30 – 16.45	Q&A

Parallel session IV – NPS Detection, identification and characterisation (I)

14.15 – 16.30 (GMT+4)

Moderators. *Christophe Stove (Ghent University) and Thuraya Albader (Kuwait Pharmaceutical Association)*

14.15	In vitro characterization of the pyrazole-carrying synthetic cannabinoid receptor agonist 5F-3,5-AB-PFUPPYCA and its structural analogs <i>Marie H. Deventer, Caitlyn Norman, Robert Reid, Craig McKenzie, Niamh Nic Daeid, Christophe P. Stove</i> Ghent University, Belgium
14.30	A device for the rapid detection of benzodiazepines and synthetic cannabinoids via Fluorescence Spectroscopy and Machine Learning <i>Alexander Power, Matthew Gardner, Christopher Pudney</i> University of Bath, United Kingdom
14.45	The potential of paper spray-mass spectrometry for the analysis of NPS in emergency department <i>Stefania Boccuzzi, David Cowan, Paul Dargan, Edward Goucher, Vincenzo Abbate</i> King's College London, London, United Kingdom
15.00	Chemical profiling of the street drug Nyaope in South Africa using GC-MS (online) <i>Ellen Mwenesongole, Pabalala Mthembi, Michael Cole</i> University of Alabama at Birmingham, Alabama, USA
15.15 – 15.30	<i>Break, Networking, Poster viewing</i>
15.30	Evolution of Erimin 5 <i>Tan Ying Ying, Yeong Hui Xian Crystal</i> Singapore Health Sciences Authority, Singapore
15.45	Investigation on the semi-synthetic cannabinoids distributed on the internet in Japan: Reduced forms or acetyl derivatives of tetrahydrocannabinol (THC) <i>Ruri Kikura-Hanajiri, Sakumi Mizutani, Maiko Kawamura, Rie Tanaka, Takashi Misawa, Genichiro Tsuji, Takashi Kurohara, Michiho Ito, Yosuke Demizu</i> National Institute of Health Sciences, Japan
16.00 – 16.15	Q&A

Parallel session V – Early Warning Systems, Toxicovigilance and Monitoring New Psychoactive Substances Markets
14.15 – 16.30 (GMT+4)

Moderators. *Farouq Faisal Alzahrani (Forensic Medicine and Laboratories, KSA) and Antonio Metastasio (UH)*

14.15	<p>From JWH-018 to OXIZIDS: structural changes in newly emerged synthetic cannabinoids in the European Union from December 2008 to December 2021 <i>Rachael Andrews, Rita Jorge, Rachel Christie, Ana Gallegos</i> University of Bath, United Kingdom</p>
14.30	<p>Saudi forensic toxicologists are paving the road toward national and regional Early Warning Systems (EWS) on the New Psychoactive Substances (NPS). <i>Farouq Faisal Alzahrani</i> Presidency of state security, Forensic Medicine and Laboratories, KSA</p>
14.45	<p>A novel NPS monitoring system in Victoria, Australia <i>Shaun Green, Bek Syjanen, Sarah Hodgson, Rachelle Abouchedid, Jennifer Schumann</i> Victorian Poisons Information Centre and Victorian Institute of Forensic Medicine, Melbourne, Australia</p>
15.00	<p>When a prophecy comes true: ethyleneoxynitazene as a 'prophetic' member of the emerging class of 2-benzylbenzimidazole 'nitazene' synthetic opioids. <i>Marthe M. Vandeputte, Grant C. Glatfelter, Donna Walther, Istvan Ujvary, Donna M. Lula, Michael H. Baumann, Christophe P. Stove</i> Ghent University, Belgium</p>
15.15 – 15.30	<i>Break, Networking, Poster viewing</i>
15.30	<p>Pharmacovigilance for Psychiatric Pharmacotherapy and Novel Psychoactive Substances <i>Reem Khalaf Sulaiman Al-Essa</i> Drug Inspection Administration, Drug and Food Control MOH, Kuwait</p>
15.45	<p>Understanding the Opioid Epidemic through pharmacovigilance signals: an analysis of pharmacovigilance datasets collecting Adverse Drug Reactions (ADRs) reported to EudraVigilance (EV) and the FDA adverse event reporting system (FAERS) over 10 Years (online) <i>Stefania Chiappini</i> University of Hertfordshire, United Kingdom</p>
16.00	<p>Social listening of benzodiazepines abuse and misuse <i>Amira Guirguis</i> Swansea University, United Kingdom</p>
16.15– 16.30	Q&A
16.30	End of Day 1
19.00 Conference Gala Dinner (registration required)	

DAY 2. Tuesday 07 November 2023	
7.30 – 8.30	On-site registration
Plenary session II 08.30 – 9.45 (GMT+4)	
Chairs. <i>Mariya Prilutskaya (Semey Medical University) and Owen Bowden-Jones (Central and Northwest London Club Drug Clinic)</i>	
KEYNOTE III – IPEDs Use in Recreational Sport Settings: Public Health Implications and Prevention Strategies	
08.30 – 08.55	<i>Lambros Lazuras</i> University of Lincoln, United Kingdom
KEYNOTE IV – Addressing psychiatric disorders (depression, anxiety, and substance abuse) in young recreational and elite athletes from the Gulf Cooperation Countries	
08.55 – 09.20	<i>Mohammed Al Maadheed</i> Nufar, Qatar
KEYNOTE V - Unveiling Psychoactive Plants: Effects, Significance, Cultural context and implications in doping and in community	
09.20 – 9.45	<i>Talal A. Aburjai</i> University of Jordan, Jordan
9.45 – 9.50	Q&A
Focus panel II – Clinical 9.50 – 10.30 (GMT+4) The importance of medical education in the field of NPS: what can be implemented?	
Moderator. Owen Bowden-Jones (Central and Northwest London Club Drug Clinic)	
Presenters. <i>Amine Beyamina (Hôpital Paul-Brousse), Maha Almazroua (MOH), Mariya Prilutskaya (Semey Medical University), Mohammed Al Maadheed (Nufar), Ilaria De Luca (University of Hertfordshire)</i>	
10.30 – 11.00 (GMT+4)	International Society for Emerging Trends (ISSED): activities and opportunities <i>Ornella Corazza (UniTN and UH), Mariya Prilutskaya (Semey Medical University), Andres Roman-Urrestarazu (Cambridge University), Olivier Rabin (WADA), Attilio Negri (ASST)</i>
11.00- 11.30	Break, Networking, Poster viewing

Parallel session VI – Performance and Image Enhancing Drugs and other new trends

11.30 – 13.00 (GMT+4)

Moderators. *Honor Townshend (University of East London) and Thomas Zandonai (Miguel Hernández University of Elche)*

11.30 **A preliminary inventory of kratom (*Mitragyna speciosa*) products and vendors on the darknet and cryptomarkets**

Elisabeth Prevete, Valeria Catalani, Darshan Singh, Kim Paula Colette Kuypers, Eef Lien Theunissen, Honor D. Townshend, Hani Banayoti, Johannes Gerardus Ramaekers, Massimo Pasquini, Ornella Corazza
Sapienza University, Italy

11.45 **The psychoactive drugs and their use as doping by high performance athletes**

Lara Santi Duarte
PAN-RADO and Italo-Brasilian College Institute, San Paolo, Brazil

12.00 **Exploring the Understanding, Source of Availability, and Level of Access of Cognitive Enhancers Among University Students in the United Arab Emirates: A Qualitative Study**

Safia Sharif, Suzanne Fergus, Amira Guirguis., Nigel Smeeton, Fabrizio Schifano
University of Hertfordshire, United Kingdom

12.15 **Activity-based detection of HIF stabilizers: a future-proof complementing method in doping control?**

Liesl K. Janssens, Laurie De Wilde, Peter Van Eenoo, Christophe P. Stove
Ghent University, Belgium

12.30 **A Scientometric insight into 70 years of research in Performance-Enhancing Substances in sports (online)**

Alessandro Carollo, Olivier Rabin, Ornella Corazza, Gianluca Esposito
University of Trento, Italy

12.45 **Profiling and assessing the risks of Image and Performance-Enhancing Drugs use during the COVID-19 lockdown**

Ilaria De Luca, Francesco Di Carlo, Julius Burkauskas, Valeria Catalani and Ornella Corazza
University of Hertfordshire, United Kingdom

13.00 – 14.00 **Lunch break**

**Parallel session VII – Drug Use, Experience and Trends in the Middle East
11.30-13.00 (GMT+4)**

Moderators. *Giuseppe Bersani (Sapienza University) and Mohammed Alshennawi (KSA Ministry of Health)*

11.30	The relationship between self-report antipsychotics side effects and depression in Saudi Arabia <i>Yazed Al Ruthia</i> King Saud University College of Pharmacy, Saudi Arabia
11.45	Psychosocial rehabilitation programs from Emirati culture perspective at <i>Alyaa Aljasmii</i> Abu Dhabi UAE
12.00	The effectiveness of cognitive behavioral therapy in treating post-traumatic stress disorder among Arab drug addicts in a mandatory rehabilitation facility: case study <i>Fadwa Al Mughairbi, Abdalla Hamid, Shamil Warrington, Vanessa Dadzie</i> UAE University, UAE
12.15	Neuromodulation in addiction sciences and potential role in NPS <i>Wael Foad</i> Center for Treatment and Rehabilitation, Dubai, UAE
12.30 – 12.45	Q&A
13.00 – 14.00	Lunch break

Parallel session VIII – NPS Detection, identification and characterisation (II)

14.15-16.45 (GMT+4)

Moderators. *Valeria Catalani (University of Hertfordshire) and Talal A. Aburjai (University of Jordan)*

14.15 **Detection, chemical analysis and pharmacological characterization of dipyanone and other new synthetic opioids related to prescription drugs**
Marthe M. Vandeputte, Sara E. Walton, Sarah A. Shuda, Alex J. Krotulski, Christophe P. Stove
Ghent University, Belgium

14.30 **Evaluation of ligand-based models on opioids receptors form street emerged hits**
Valeria Catalani, Vincenzo Abbate, Giuseppe Floresta, Fabrizio Schifano
University of Hertfordshire, United Kingdom

14.45 **Developing instant detection of NPS for community harm reduction**
Christopher R Pudney
University of Bath, United Kingdom

15.00 **Detection and determination of Gabapentin- an anticonvulsant, from body fluids for forensic analysis purpose**
Neha Tomar, Rajinder Kumar Sarin
National Forensic Sciences University, India

15.15 – 15.30 *Break, Networking, Poster viewing*

15.30 **Semi-systematic frameworks for naming of NPS in Europe: synthetic cannabinoids and cathinones**
Benedikt Pulver, Svenja Fischmann, Ana Gallegos, Rachel Christie
University of Freiburg, Faculty of Medicine, Germany

15.45 **Detecting Fentanyl Analogs by Combining Surface-Enhanced Raman Spectroscopy (SERS) and Paper Spray Mass Spectroscopy (PS-MS) (online)**
Sevde Dogruer Erkok, Gallois Roxanne, Pascal Camoiras Gonzalez, Arian van Asten, Bruce McCord
Florida International University, USA

16.00 **A comparative study of the extraction methods for the simultaneous detection of NPS groups from urine (online)**
Merve Kuloglu Genc, Selda Mercan, Cenk Bulut, Zeynep Turkmen,
Istanbul University-Cerrahpaşa, Turkey

16.15 **Detection of ADB-4en-PINACA metabolite, 2-Methylmethcathinone and 3-Methylmethcathinone in authentic urine samples (online)**
Fong Ching Yee
Health Science Authority Singapore, Singapore

16.30 – 16.45 **Q&A**

Parallel session IX – NPS Pharmacology and Toxicology	
14.15 – 16.45 (GMT+4)	
Moderators. <i>Irene Mazzoni (WADA) and Matteo Marti (University of Ferrara)</i>	
14.15	SCRAs with a “Brand” new look: In vitro cannabinoid activity profiling of generic ban-evading brominated synthetic cannabinoid receptor agonists and their analogs <i>Marie H. Deventer, Mattias Persson, Caitlyn Norman, Huiling Liu, Matthew Connolly, Niamh Nic Daeid, Craig McKenzie, Henrik Green, Christophe P. Stove</i> Ghent University, Belgium
14.30	Neurobiological sequelae of the passive or voluntary administration of the synthetic cannabinoid receptor agonist JWH-018 <i>Maria Antonietta De Luca</i> University of Cagliari, Italy
14.45	Differential in vitro activation profiles for psychedelic versus non-psychedelic ergolines at the 5-HT_{2A} receptor <i>Eline Pottie, Grant C. Glatfelter, Michael H. Baumann, Christophe P. Stove</i> Ghent University, Belgium
15.00	In vivo pharmaco-toxicological characterization of Brorphine and its possible emerging halogenated analogs Orphine, Fluorphine, Chlorphine and Iodorphine <i>Sabrina Bilel, Marthe Vandeputte, Micaela Tirri, Giorgia Corli, Christophe Stove, Matteo Marti</i> University of Ferrara, Italy
15.15 – 15.30	<i>Break, Networking, Poster viewing</i>
15.30	Synthetic cannabinoids and methadone co-administration in prolonging the QTc interval (online) <i>Kirsten L Rock, Louise Hesketh, Michael Shattock, Michael Curtis, Simon Hudson, Caroline S Copeland</i> King’s College London, United Kingdom
15.45	Potential effects of selected synthetic cannabinoids on neuronal senescence: impact on proliferation and beta-galactosidase activity in SH-SY5Y Cells (online) <i>Rita Roque-Bravo, Helena Carmo, João Pedro Silva, Felix Carvalho, Diana Dias da Silva</i> UCIBIO-REQUIMTE, Toxicology Laboratory, University of Porto, Portugal
16.00	The synthetic cannabinoids ADB-FUBINACA modulate mitochondrial function and dynamics at biologically relevant concentrations during in vitro neurodifferentiation (online) <i>Rui Filipe Cerqueira Malheiro, Felix Dias Carvalho, Helena Maria Ferreira da Costa Ferreira Carmo, Joco Pedro Martins Soares de Castro e Silva</i> UCIBIO-REQUIMTE, Toxicology Laboratory, University of Porto, Portugal
16.15	Adding the clues to CanKet’s presence in toxicological casework (online) <i>Jennifer Huynh, Veronique Gosselin, Beatrice Garneau, Pascal Mireault</i> Laboratoire de sciences judiciaires et de médecine légale, Canada
16.30 – 16.45	Q&A
18.00	Organised Tour (registration needed on site 1 st and 2 nd day)

DAY 3. Wednesday 08 November 2023

Workshops – Interactive Sessions

Workshop I- NPS Clinical

Chair. *Giuseppe Bersani (Sapienza University)*

8.30-9.30 Mariya Prilutskaya (Semey Medical University), Antonio Metastasio (University of Hertfordshire), Francesco di Carlo (University of Chieti)

Workshop II- NPS Toxicology and Pharmacology

Chair. *Matteo Marti (University of Ferrara)*

8.30-9.30 Talal A. Aburjai (University of Jordan), Vincenzo Abbate (Kings' College London), Christophe Stove (Ghent University), Abdul Azizi (KSA)

Workshop III- Image and Performance Enhancing Drugs: preventing use in the Middle East

Chair. *Lambros Lazuras (University of Lincoln)*

8.30-9.30 Thomas Zandonai (Miguel Hernández University of Elche), Irene Mazzoni (WADA), Honor D. Townshend (University of East London)

9.30-10.00 *Break, Networking, Poster viewing*

Plenary session III

10.00 – 12.30 (GMT+4)

Chairs.

Reema Alhosani (NAT Centre Abu Dhabi) and Lambros Lazuras (University of Lincoln)

KEYNOTE V – From the Laboratory to the Field

10.00 – 10.25

Claude Guillou
Directorate General Joint Research Centre, European Commission

KEYNOTE VI - (online) - The detection of novel psychoactive drugs in biological fluids. From markers of exposure to markers of effect?

10.25-10-50

Francesco Botrè
University of Lausanne

KEYNOTE VII – (online) – Towards strengthened preparedness and response to New Psychoactive Substances in Europe

10.50 – 11-15

Ana Gallegos
EMCDDA, European Commission

11.15-11.30

Q&A

FINAL PANEL 11.30-12.00

A ten-year old journey into the science of NPS: where we were, where we are and where we are moving next?

Chair: *Reema Alhosani (NAT Centre Abu Dhabi) and Lambros Lazuras (University of Lincoln)*

Roumen Sedevof (EMCDDA), Giuseppe Bersani (Sapienza University), Ornella Corazza (UH and UniTN), Olivier Rabin (WADA), Mariya Prilutskaya (Semey Medical University), Claude Guillou (European Commission)

12.00

End of conference

- **List of posters**
- **Benzodiazepine Boom: Tracking Etizolam, Pyrazolam and Flubromazepam from Pre-Psychoactive Act 2016 to Present Using Analytical and Social Listening Techniques.**
Anthony Mullin, University of Hertfordshire, UK
- **Chromatographic Retention Index for the Identification of illicit substances**
Gabriella Hamú Giudice, Anvisa, Brasil
- **Does alcohol and nicotine consumption among athletes influence attitudes towards doping? Observational study of Spanish athletes**
Thomas Zandonai, Miguel Hernández University of Elche, Spain
- **Effects of ketamine on urinary rat bladder contractility and histopathology**
Alex Gant, University of Hertfordshire, UK
- **EMCDDA framework for naming cathinones**
Benedikt Pulver, Universitäts Klinikum Freiburg, Germany
- **EMCDDA framework for naming synthetic cannabinoids**
Benedikt Pulver, Universitäts Klinikum Freiburg, Germany
- **Exercise dependence and perfectionism: a novel issue in sport environment?**
Paola Venuti, Università di Trento, Italy paola.venuti@unitn.it
- **Identification of 4-Chloromethylcathinone metabolites in urine with GC-MS and LC-QTOF**
Mariia Gofenberg, Regional Narcological Clinic, Russia
- **Identification of nine compounds known as “smart drugs” in Japan from 2020 to 2022**
Rie Tanaka, National Institute of Health Sciences, Japan
- **Impact of Covid-19 pandemic on Nitrous Oxide use in UK citizens**
Eleni Deligianni, University of Hertfordshire, UK
- **MDDM ,a new ingredient in Ecstasy tablets**
Bogumiła Byrska, Institute of Forensic Research, Poland
- **NPS in Poland – problems and solutions**
Katarzyna Tkaczyk-Rymanowska, WSPiA University of Rzeszow, Poland
- **Recreational use of nitrous oxide – a growing concern in Europe**
Joanna De Morais, EMCDDA
- **Short- and long-term stability of synthetic cathinones and dihydro-metabolites in human urine samples: considerations for antidoping and forensic toxicology applications**
Abdulaziz A. Aldubayyan, King's College, UK
- **The articulation of masculinities amongst men who use(d) Image and Performance Enhancing Drugs**
Honor D. Townshend, University of East London, UK
- **The Feasibility of Vaping as a tool for Harm Reduction for People Who Use Crack**
Peter Sunderland, University of Bath, UK
- **Use of Novel Psychoactive Substances (NPSs) of Natural Origin in the United Kingdom – A qualitative perspective based on users’ reports**
Eleni Deligianni, University of Hertfordshire, UK
- **5HT_{2A} receptors are involved in the pharmaco-toxicological effects of the synthetic cannabinoids JWH-018 and 5F-PB22: in vivo studies in mice**
Corli Giorgia, Ferrara University, Italy