

# **X** INTERNATIONAL CONFERENCE ON NOVEL PSYCHOACTIVE SUBSTANCES



SCAN ME



## **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 (UH)  
Professor Ornella Corazza, University of Hertfordshire (UH) and University of Trento (UniTn)  
Dr Elisabeth Prevete, Sapienza University of Rome  
Professor Olivier Rabin, World Anti-Doping Agency (WADA)

### **Scientific Committee**

Professor Ornella Corazza, University of Hertfordshire and University of Trento  
Professor Olivier Rabin, World Anti-Doping Agency (WADA)  
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 (UniTn)  
Dr Attilio Negri, University of Hertfordshire (UH)

### **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.

[www.novelpsychoactivesubstances.org](http://www.novelpsychoactivesubstances.org)

## Opening session

### DAY 1. Monday 06 November 2023

**7.00 – 8.00** On-site registration

**Opening session**  
8.15 – 8.45 (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**  
08.45 – 10.15 (GMT+4)

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

#### KEYNOTE I – INTERPOL capabilities in supporting member countries against illegal drugs and substances

**08.45 – 09.15** *Humaid Alameemi*  
INTERPOL

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

**09.15 – 9.40** *Vincenzo Abbate*  
King's College London, United Kingdom

#### KEYNOTE III – From Mindful Muscles to Mindful Bodies: Positive Psychological Interventions for the Prevention the use of emerging new drugs

**09.40 – 10.00** *Lambros Lazuras*  
*Lincoln University, United Kingdom*

**10.00 – 10.15** Q&A

**Focus panel I – Law Enforcement and Public Health: defying the boundaries**  
10.15 – 11.00 (GMT+4)

**Moderators.** *Olivier Rabin (WADA) and Ornella Corazza (UH, UniTN)*

**Presenters.** Humaid Alameemi (INTERPOL), Renata de Moraes Souza (ANVISA), Mike Vigar (Prison Services, G4S), Gunter Younger (WADA), Darshan Singh (University Sains Malaysia), Justice Tetley (UNODC)

**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 Gunter Younger (WADA)*

11.30	<b>NPS: emerging trends and control mechanism</b> <i>Ahsanur Rahman</i> Department Narcotics Control (DNC), Ministry of Home Affairs, Bangladesh
11.45	<b>Challenges in new psychoactive substances and traditional drugs of abuse testing in Saudi Arabia</b> <i>Ahmed Al Asmari</i> King Abdul-Aziz Hospital, SA
12.00	<b>Evolution of the Brazilian Drug Control System: case study of ADB-FUBIATA, a psychotropic NPS</b> <i>Moema Luisa Silva Macedo, Luciana dos Santos Lopes, Gabriella Hamu Giudice, Renata de Moraes Souza</i> Brazilian Health Regulatory Agency, ANVISA, Brazil
12.15	<b>Future of legalization of Cannabis and its impact on the availability of Synthetic Cannabinoids</b> <i>Amany El Mougny</i> Erada Center for Treatment and Rehabilitation, Dubai, UAE
12.30	<b>New psychoactive substances in Bangladesh: the urgent need for evidence-based policy and prevention measures</b> <i>Mehedi Hasan</i> Department of Narcotics Control, Bangladesh
<b>12.45 – 13.00</b>	<b>Q&amp;A</b>
<b>13.00 – 14.00</b>	<b>Lunch Break</b>

**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	<b>“Youth 2.0 project”: multi-professional intervention to protect adolescents from NPS and other drug use’. Child neuropsychiatry and developmental disorders service</b> <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
11.45	<b>Novel drugs of abuse: What clinicians need to know?</b> <i>Amany El Mougny</i> Erada Center for Treatment and Rehabilitation Dubai, UAE
12.00	<b>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</b> <i>Darshan Singh, Vicknasingam Balasingam, and Suresh Narayanan</i> University Sains Malaysia, Malaysia
12.15	<b>A comparative study of Office-based injectable buprenorphine in opioid-dependence. Patients vs standard psychosocial treatment</b> <i>Rami Mahmoud Mohammed Alhawi</i> Erada Center for Treatment and Rehab, Dubai, UAE
12.30	<b>ADPHC’s efforts in promoting drug? prevention and awareness in the UAE.</b> <i>Huda Al Shemali</i> Abu Dhabi Public Health Center (ADPHC), UAE
<b>12.45 – 13.00</b>	<b>Q&amp;A</b>
<b>13.00 – 14.00</b>	<b>Lunch Break</b>



<b>Parallel session III – NPS Use Settings, Experience and Trends (I)</b> <b>14.15-16.45 (GMT+4)</b>	
<b>Moderators.</b> <i>Mohammed Alshennawi (KSA, Ministry of Health) and Elisabeth Prevete (Sapienza University)</i>	
14.15	<b>The picture of The New Psychoactive Substances problem in Saudi Arabia Security Forces Hospital</b> <i>Abdulaziz Aldlgan</i> Riyadh, KSA
14.30	<b>New drugs trends across Welsh prisons: evaluating the role of people with lived experience of substance misuse and supporting their recovery</b> <i>Mike Vigar, Caryl Watkins, Jenni Clifford, Mark Jones</i> HMP & YOI Parc - G4S, United Kingdom
14.45	<b>NPS and other emerging drugs in the Clearnet and Darkweb</b> <i>Irene Mazzoni</i> WADA
15.00	<b>Synthetic cannabinoids use among inmates in an English Prison</b> <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	<b>The effect of external influences on drug trends at music festivals in New Zealand, 2018 to 2023 (online)</b> <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	<b>New Psychoactive Substances consumption within the UK homeless population (online)</b> <i>Thomas Coomb, Tilak Ginige, Patrick Van Calster, Amor Abdelkader, Ornella Corazza, Sulaf Assi</i> University Hospital Dorset, United Kingdom
16.00	<b>New Psychoactive Substances (NPS) trends in the United States (online)</b> <i>Emily D. Lockhart</i> U.S. Drug Enforcement Administration, USA
<b>16.15 – 16.30</b>	<b>Q&amp;A</b>

**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**  
*Marie H. Deventer, Caitlyn Norman, Robert Reid, Craig McKenzie, Niamh Nic Daeid, Christophe P. Stove*  
Ghent University, Belgium

14.30 **A device for the rapid detection of benzodiazepines and synthetic cannabinoids via Fluorescence Spectroscopy and Machine Learning**  
*Alexander Power, Matthew Gardner, Christopher Pudney*  
University of Bath, United Kingdom

14.45 **The potential of paper spray-mass spectrometry for the analysis of NPS in emergency department**  
*Stefania Boccuzzi, David Cowan, Paul Dargan, Edward Goucher, Vincenzo Abbate*  
King's College London, London, United Kingdom

15.00 **Chemical profiling of the street drug Nyaope in South Africa using GC-MS**  
*Ellen M. Mwenesongole, Pabalala M. Mthembu, Michael D. Cole*  
University of Alabama at Birmingham, Alabama, USA

**15.15 – 15.30** *Break, Networking, Poster viewing*

15.30 **New Psychoactive Substances discharged at rest areas along interstate highway in Kentucky**  
*Bikram Subedi, Abhya Rani, Chris Delcher, Anna Stites*  
Wastewater Analysis Murray State University Kentucky, USA

15.45 **Evolution of Erimin 5**  
*Tan Ying Ying, Yeong Hui Xian Crystal*  
Singapore Health Sciences Authority, Singapore

16.00 **Investigation on the semi-synthetic cannabinoids distributed on the internet in Japan: Reduced forms or acetyl derivatives of tetrahydrocannabinol (THC)**  
*Ruri Kikura-Hanajiri, Sakumi Mizutani, Maiko Kawamura, Rie Tanaka, Takashi Misawa, Genichiro Tsuji, Takashi Kurohara, Michiho Ito, Yosuke Demizu*  
National Institute of Health Sciences, Japan

16.15 – 16.30 **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><b>From JWH-018 to OXIZIDS: structural changes in newly emerged synthetic cannabinoids in the European Union from December 2008 to December 2021</b>  <i>Rachael Andrews, Rita Jorge, Rachel Christie, Ana Gallegos</i>                      University of Bath, United Kingdom</p>
14.30	<p><b>Saudi forensic toxicologists are paving the road toward national and regional Early Warning Systems (EWS) on the New Psychoactive Substances (NPS).</b>  <i>Farouq Faisal Alzahrani</i>                      Presidency of state security, Forensic Medicine and Laboratories, KSA</p>
14.45	<p><b>A novel NPS monitoring system in Victoria, Australia</b>  <i>Shaun nufarne, 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><b>When a prophecy comes true: ethyleneoxynitazene as a 'prophetic' member of the emerging class of 2-benzylbenzimidazole 'nitazene' synthetic opioids</b>  <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>
<b>15.15 – 15.30</b>	<i>Break, Networking, Poster viewing</i>
15.30.	<p><b>Pharmacovigilance for Psychiatric Pharmacotherapy and Novel Psychoactive Substances</b>  <i>Reem Khalaf Sulaiman Al-Essa</i>                      Drug Inspection Administration, Drug and Food Control MOH, Kuwait</p>
15.45	<p><b>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)</b>  <i>Stefania Chiappini</i>                      University of Hertfordshire, United Kingdom</p>
16.00	<p><b>Social listening of benzodiazepines abuse and misuse (online)</b>  <i>Amira Guirguis</i>                      Swansea University, United Kingdom</p>
16.15 – 16.30	<b>Q&amp;A</b>
<b>16.30</b>	<b>End of Day 1</b>
<b>19.00 Conference Gala Dinner (registration required)</b>	

<b>DAY 2. Tuesday 07 November 2023</b>	
<b>7.30 – 8.30</b>	<b>On-site registration</b>
<b>08.30 – 09.00 (GMT+4)</b>	<b>International Society for Emerging Trends (ISSED): become an active contributor</b> <i>Ornella Corazza (UH, UniTN), Mariya Prilutskaya (Semey Medical University), Andres Roman-Urrestarazu (Cambridge University), Olivier Rabin (WADA)</i>
<b>Plenary session II</b> 09.00 – 10.15 (GMT+4)	
<b>Chairs.</b> <i>Mariya Prilutskaya (Semey Medical University) and Wael Foad (Erada Center)</i>	
<b>KEYNOTE III – NPS addiction a growing trend: clinical and therapeutic approach</b>	
<b>09.00 – 09.25</b>	<i>Amine Beyamina</i> Hôpital Paul-Brousse, France
<b>KEYNOTE IV – 'Addressing psychiatric disorders (depression, anxiety, and substance abuse) in young recreational and elite athletes from the Gulf Cooperation Countries</b>	
<b>09.25 – 09.50</b>	<i>Mohammed Al Maadheed</i> Nufar, Qatar
<b>KEYNOTE V Unveiling Psychoactive Plants: Effects, Significance, Cultural context and implications in doping and in community</b>	
<b>09.50 – 10.15</b>	<i>Talal A. Aburjai</i> University of Jordan, Jordan
<b>10.15 – 10.20</b>	<b>Q&amp;A</b>
<b>Focus panel II – Clinical 10.20 – 11.00 (GMT+4) The importance of medical education in the field of NPS: what can be implemented?</b>	
<b>Moderator.</b> Owen Bowden-Jones (Central and Northwest London Club Drug Clinic)	
<b>Presenters.</b> <i>Amine Beyamina (Hôpital Paul-Brousse), Mohammed Alshennawi (KSA Ministry of Health), Mariya Prilutskaya (Semey Medical University), Mohammed Al Maadheed (Nufar), Attilio Negri (University of Hertfordshire)</i>	
<b>11.00- 11.30</b>	<i>Break, Networking, Poster viewing</i>

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

**11.30 – 13.00 (GMT+4)**

**Moderators.** *Francesco Botrè (University of Lausanne) and Thomas Zandonai (Miguel Hernández University of Elche)*

**11.30 A Scientometric insight into 70 years of research in Performance-Enhancing Substances in sports**

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

**11.45 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

**12.00 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

**12.15 Assessing prevalence, knowledge and use of cognitive enhancers among university students in the United Arab Emirates: A quantitative study**

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

**12.30 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

**12.45 – 13.00 Q&A**

**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	<b>The relationship between self-report antipsychotics side effects and depression in Saudi Arabia</b> <i>Yazed Al Ruthia</i> King Saud University College of Pharmacy, Saudi Arabia
11.45	<b>Prescription drugs and the hazard of addiction</b> <i>Adel Alzayed</i> Kuwait Centre for Mental Health (KCMH), Kuwait
12.00	<b>Psychosocial rehabilitation programs from Emirati culture perspective</b> <i>Alyaa Aljasmi</i> Family Care Authority - Abu Dhabi, UAE
12.15	<b>The effectiveness of cognitive behavioral therapy in treating post-traumatic stress disorder among Arab drug addicts in a mandatory rehabilitation facility: case study</b> <i>Fadwa Al Mughairbi, Abdalla Hamid, Shamil Warrington, Vanessa Dadzie</i> UAE University, UAE
12.30	<b>Neuromodulation in addiction sciences and potential role in NPS.</b> <i>Wael Foad</i> Center for Treatment and Rehabilitation, Dubai, UAE
12.45 – 13.00	<b>Q&amp;A</b>
13.00 – 14.00	<b>Lunch break</b>

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

**14.15-16.45 (GMT+4)**

**Moderators.** *Catalani Valeria (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 **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

15.45 **Adding the clues to CanKet's presence in toxicological casework (online)**  
*Jennifer Huynh, Veronique Gosselin, Beatrice Garneau, Pascal Mireault*  
Laboratoire de sciences judiciaires et de medecine legale, Canada

16.00 **A comparative study of the extraction methods for the simultaneous detection of NPS groups from urine (online)**  
*Merve Kuloglu GencSelda Mercan, Cenk Bulut, Zeynep Tarkmen*  
Institute of Forensic Sciences and Legal Medicine, University of Istanbul, 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**

<b>Parallel session IX – NPS Pharmacology and Toxicology</b>	
<b>14.15 – 16.45 (GMT+4)</b>	
<b>Moderators. Irene Mazzoni (WADA) and Matteo Marti (University of Ferrara)</b>	
14.15	<p><b>SCRAs with a “Brand” new look: In vitro cannabinoid activity profiling of generic ban-evading brominated synthetic cannabinoid receptor agonists and their analogs</b></p> <p><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</p>
14.30	<p><b>Neurobiological sequelae of the passive or voluntary administration of the synthetic cannabinoid receptor agonist JWH-018</b></p> <p><i>Maria Antonietta De Luca</i> University of Cagliari, Italy</p>
14.45	<p><b>Differential in vitro activation profiles for psychedelic versus non-psychedelic ergolines at the 5-HT<sub>2A</sub> receptor</b></p> <p><i>Eline Pottie, Grant C. Glatfelter, Michael H. Baumann, Christophe P. Stove</i> Ghent University, Belgium</p>
15.00	<p><b>In vivo pharmaco-toxicological characterization of Brorphine and its possible emerging halogenated analogs Orphine, Fluorphine, Chlorphine and Iodorphine</b></p> <p><i>Sabrina Bilel, Marthe Vandeputte, Micaela Tirri, Giorgia Corli, Christophe Stove, Matteo Marti</i> University of Ferrara, Italy</p>
<b>15.15 – 15.30</b>	<i>Break, Networking, Poster viewing</i>
15.30	<p><b>Synthetic cannabinoids and methadone co-administration in prolonging the QTc interval (online)</b></p> <p><i>Kirsten L Rock, Louise Hesketh, Michael Shattock, Michael Curtis, Simon Hudson, Caroline S Copeland</i> King’s College London, United Kingdom</p>
15.45	<p><b>Potential effects of selected synthetic cannabinoids on neuronal senescence: impact on proliferation and beta-galactosidase activity in SH-SY5Y Cells (online)</b></p> <p><i>Rita Roque-Bravo, Helena Carmo, João Pedro Silva, Felix Carvalho, Diana Dias da Silva</i> UCIBIO-REQUIMTE, Toxicology Laboratory, University of Porto, Portugal</p>
16.00	<p><b>The synthetic cannabinoids ADB-FUBINACA modulate mitochondrial function and dynamics at biologically relevant concentrations during in vitro neurodifferentiation (online)</b></p> <p><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</p>
16.15	To be confirmed
16.30 – 16.45	<b>Q&amp;A</b>
18.00	<b>Organised Tour</b> (registration needed on site 1 <sup>st</sup> and 2 <sup>nd</sup> day)

## DAY 3. Wednesday 08 November 2023

### Workshops – Interactive Sessions

#### Workshop I- NPS Clinical

**Chair.** *Giuseppe Bersani (Sapienza University)*

**8.30-9.30** Amine Benyamina (Paul Brousse Hospital), Amany El Mougy (Erada Center), Wael Foad (Erada Center), Mariya Prilutskaya (Semey Medical University), Antonio Metastasio (University of Hertfordshire), Owen Bowden-Jones (London Club Drug Clinic)

#### 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), Farouq Faisal Alzahrani (KSA), AbdulAzizi (KSA)

#### Workshop III- Performance and Image Enhancing Drugs

**Chair.** *Irene Mazzoni (WADA)*

**8.30-9.30** Francesco Botrè (University of Lausanne), Olivier Rabin (WADA), Thomas Zandonai (Miguel Hernández University of Elche), Lambros Lazuras (Lincoln Hallam University)

**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 (Lincoln University)*

**KEYNOTE V – From the Laboratory to the Field**

**10.00 – 10.25**

*Claude Guillou*

Directorate General Joint Research Centre (JRC), European Commission

**KEYNOTE VI - The Dynamic Nature of Novel Psychoactive Substances: A Comprehensive Analysis of the Impact of 10 Years of the NPS Conference Series**

**10.25-10-50**

*Gianluca Esposito*

University of Trento, Italy

**KEYNOTE VII – EMCDDA (*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 11.30-12.30**

**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 Claude Guillou (GRC)*

*Roumen Sedevof (EMCDDA), Justice Tetley (UNODC), Giuseppe Bersani (Sapienza University), Ornella Corazza (UH and UniTN), Olivier Rabin (WADA), Vincenzo Abbate (King's College London), Mariya Prilutskaya (Semey Medical University), Andres Roman-Urrestarazu (Cambridge University)*

**12.30**

**End of conference**