

DRAFT PROGRAMME

Seventh International Conference on Novel Psychoactive Substances

18–19 November 2020

Online

(SPECIFIED TIMES ARE ALL IN GMT)

Day 1, 18 November 2020

12h00 **Launch of the new International Society for the Study of Emerging Drugs (ISSED) and the new *Journal on Emerging Trends in Drugs, Addictions, and Health***

Ornella Corazza and Barry Logan

12h30 – 13h30 **Welcome and opening remarks**

- NPS at the time of COVID – European Monitoring Centre for Drugs and Drug Addiction.
- The Growing Complexity of the Opioid Crisis – J. Tettey, United Nations Office on Drugs and Crime.
- NPS Discovery: A Program for Early Detection of Emerging Trends in Novel Drugs in the United States – B. Logan, NPS Discovery CFSRE, US.
- “How to maintain activities during a crisis period” – O. Rabin,

13h30 – 13h45 **Break and networking**

13h45 – 15h00 **Session 1 – Use, settings, experiences and trends.**
Chairs: Sabrina Levissianos and Barry Logan

- NPS in Europe – EMCDDA.
- New Psychoactive Substance (NPS) Trends in the United States – E.D. Lockhart, Drug Enforcement Administration, United States.
- Emerging Drug Trends in the United States – W.J. Heuett, L.L. Wong, C.A. Herdman, D.P. Pressley, and T.L. Boos, Drug and Chemical Evaluation Section, Diversion Control Division, Drug Enforcement Administration, United States.
- Effects of External Influences on Synthetic Cannabinoid Trends in New Zealand, 2014 to 2020 – C.R Stansfield, R.F. Somerville, V.R. Hassan, E. Kolbe E, H.K. Partington, K.A.J. Walsh, and C.S. Johnson, The Institute of Environment Science and Research (ESR), New Zealand.
- Identification of 11 substances known as “smart drugs” in Japan – R. Tanaka, M. Kawamura, T. Hakamatsuka, and R. Kikura–Hanajiri, National Institute of Health Sciences, Japan.

15h00 – 15h30 Break and networking

15h30 – 17h00 **Session 2 – Monitoring new psychoactive substances.**
Chairs: Fabrizio Schifano and Mandi Mohr

- Detection of Synthetic Opioids, Synthetic Cathinones, and Synthetic Cannabinoids in Wastewater in the U.S. A Promising Community Early Warning System – B. Subedi, Murray State University, United States.

- The UK's First Home Office–Licensed and Pharmacist–Led Community Drug Checking Service – A. Guirguis, R. Gittins, and F. Schifano, Swansea University, United Kingdom.
- How to detect the use of a new illicit substance by combining different strategy – P. Esseiva, University of Lousanne, Switzerland.
- NPSfinder: a systematic tool to identify novel psychoactive substances (NPS) by crawling the pro drug/'psychonaut' websites – F. Napoletano, F. Schifano, J.M. Corkery, A. Guirguis, D. Arillotta, C. Zangani, and A. Vento, Homerton University Hospital, United Kingdom.
- Facing ever-changing trends: prevalence and patterns of New Psychoactive Substances use in the young population of Kazakhstan - M. Prilutskaya, Semey Medical University, Kazakhstan.
- The NIST Fentanyl Classifier – A.S. Moorthy, A.J. Kearsley, W.G. Mallard, and W.E. Wallace, National Institute of Standards and Technology, United States.

17h00 – 17h15 Break and networking

17h15 – 18h15 **Panel and audience discussion: How to better strategize our actions?**

Chair: O. Rabin, World Anti-Doping Agency

Panelists: A. Gallegos, C. Guillou, J. Tettey + TBC

Day 2, 19 November 2020

12h00 – 13h15 **Session 3 – Detection, identification and characterisation: synthetic cannabinoid receptors agonists**

Chairs: Emily Lockhart and Claude Guillou

- Analytical, pharmacological, and toxicological evaluation of prevalent synthetic cannabinoid receptor agonists – S. Banister, The University of Sydney, Australia.
- The detection of synthetic cannabinoid receptor agonists in infused papers from prisons in a constantly evolving illicit market – C. Norman, B. McKirdy, G. Walker, P. Dugard, N. Nic Daéid, and C. McKenzie, Leverhulme Research Centre for Forensic Science, University of Dundee, United Kingdom.
- Monitoring Synthetic Cannabinoid Trends in the United States – A.L.A. Mohr, A. J. Krotulski, and B.K. Logan, United States.
- Semi-quantitative activity-based detection of JWH-018, a synthetic cannabinoid receptor agonist, in oral fluid after vaping – A. Cannart, Ghent University, Belgium.
- In vitro activity-profiling of Cumyl-PEGACLONE variants at the CB1 receptor: fluorination versus isomer exploration – L. Janssens, A. Cannart, M.J. Connolly, H. Liu, and C.P. Stove, Ghent University, Belgium.

13h15 – 13h30 Break and networking

13h30 – 14h45 **Session 4 – Detection, identification and characterisation: new opioids and other synthetics**

Chairs: Ana Gallegos and Alex Krotulski

- Identification of isotonitazene, the first member of a novel emerging class of legal, highly potent benzimidazole NPS opioids – P. Blanckaert, Belgian Early Warning System Drugs, Sciensano, Belgium.
- First report on broprhine: the next opioid on the deadly new psychoactive substances' horizon? – N. Verougstraete, M. Vandeputte, C. Lyphout, A. Cannart, F. Hulpia, S. Van Calenbergh, A. Verstraete, and C. Stove, Ghent University Hospital, Belgium.
- In vitro functional characterization of a panel of non-fentanyl opioid new psychoactive substances – M.M. Vandeputte, A. Cannart, and C.P. Stove, Ghent University, Belgium.
- Profiling NPS in human clinical trials, J. Ramaekers, Maastricht University, Netherlands.
- Functional characterization of hallucinogenic NPS using different 5-HT_{2A}R bioassays – E. Pottie, A. Cannart, and C.P. Stove, Ghent University, Belgium.

13h45 – 14h00 Break and networking

14h00 – 15h00 Session 5 – Emerging harms

Chairs: Kim Kuypers and Francesco Saverio Bersani

- Emerging drugs harms: new app and tools to train clinicians – O. Bowden-Jones, University College London, United Kingdom.
- Acute effects of a moderate dose of a synthetic cannabinoid (JWH-018): implications for psychosis – E.L. Theunissen, Maastricht University, Netherlands.
- Methadone as a possible cause of two healthy teenagers' death – V. Rapaccini, A. Metastasio, University of Tor Vergata, Italy.
- Club drugs and induced psychopathology – G. Martinotti, University of Chieti-Pescara, Italy.

14h00 – 14h45 Session 6 – Performance and image-enhancing drugs

Chairs: Irene Mazzoni and Francesco Botre'

- A Sentinel Population: The public health benefits of monitoring enhanced body builders – J. McVeigh, M. Salinas, and R. Ralphs, Manchester Metropolitan University, United Kingdom
- NPS in supplements sold online – H. Townsend, P. Simonato, M., Tippett, O. Corazza, University of Hertfordshire.
- Performance and Image Enhancing Drugs and related psychopathology: clinical issues – P. Simonato, University of Hertfordshire, United Kingdom.

14h45 – 15h15 Break and networking

15h15 – 16h00 Session 7 – Policy and legislation

Chairs: Andres Roman-Urrestarazu and Maria Prilutskaya

1. “Keeping Control”: The Ethics of Prosecuting Substance Abuse Offenses in the COVID Pandemic – M.J. Menendez, NMS Labs, United States.
2. Mapping NPS policy in the EU: legal frameworks, healthcare provision and outcomes – J. Neicun, and A. Roman-Urrestarazu, Maastricht University, Netherlands.
3. Elaboration of generic legislation for phenethylamines in Brazil – M.L.S. Macedo, Brazilian Health Regulatory Agency (ANVISA), Brazil.
4. Treatment Compliance among Incarcerated and Fined Amphetamine-Type-Stimulant (ATS) Users in a Community Supervision Programme in Malaysia: A Preliminary Study – D. Singh, N. Saref, S. Narayanan, O. Hayden Griffin III, and B. Vicknasingam, Centre for Drug Research, Universiti Sains Malaysia.

16h00 – 17h00 **Panel and audience discussion: NPS in the time of COVID-19: old and new challenges**

Chair: Owen Bowden-Jones

Panelists: Sedefov, G. Bersani, MJ Menendez, O. Corazza, B. Logan, O. Rabin, J. Tettey

17h00 **Closing**

Poster sessions (all available online throughout and after the event)

R.T. Brown, J.P. Walterscheid – Updated trends and case studies in the revival of LSD. Armed Forces Medical Examiner System, United States of America

K.R. Burke – Putting the Psycho back in the Psychophysical Roadside Testing for American Law Enforcement. Racine County Sheriff's Office, United States of America

E. Deligianni, L. Lione, C. Kontogiorgis, G. Papazisis, D. Lazari – Use of novel psychoactive substances (NPS) of natural origin: an international survey. Aristotle University of Thessaloniki, Greece

A. Gant, C. Benham, S. Fergus, L. Lione – Functional and histological changes in rat urinary bladder following short and long term Ketamine exposure. University of Hertfordshire, United Kingdom

B. Garneau, B. Desharnais, C. Côté, J. Laquerre, M.P. Taillon, P.Y. Martin, G. Daigneault, P. Mireault, A. Lajeunesse – A comprehensive analytical process from the identification of an NPS threat to systematic screening. Laboratoire de sciences judiciaires et de médecine légale, Canada

A. Guirguis, R. Gittins, F. Schifano – The UK's First Home Office-Licensed and Pharmacist-Led Community Drug Checking Service. Swansea University, United Kingdom

H.H. Ha – NPS prevalence in on Sexual Assault, DUID, and Post-mortem Toxicology Cases in Orange County, CA, USA. Orange County Crime Laboratory, United States of America

E. Levari, M. Stefani, A. Franceschini, O. Corazza – The abuse of analgesic opioids: a clinical case study. Azienda Provinciale per i Servizi Sanitari di Trento, Italy

M.L.S. Macedo – Elaboration of generic legislation for phenethylamines in Brazil. Brazilian Health Regulatory Agency, Brazil

P.A. Markin, N.E. Moskaleva, V.V. Tarasov, F. Tagliaro, S.A. Appolo

nova – The pharmacometabolomic approach in the investigation of pharmacological effects of physiologically active substances using Danio rerio model. I. M. Sechenov First Moscow State Medical University, Russia

D.C. Mata – The Rise of Flualprazolam in DUID, Sexual Assaults and Postmortem Toxicology Cases in Orange County, CA, USA. Orange County Crime Lab, United States of America

S. Mestria, et al. – Metabolism study of N-methyl 2-amino Indane (NM2AI) and determination of metabolites in biological samples by LC-HRMS. Catholic University of the Sacred Heart, Italy

I. De Luca, V. Giorgetti, D. Cicconcelli, O. FS Bersani, C. Imperatori, O. Corazza – Unsupervised supplement intake: an unexplored land in online fitness settings. University of Hertfordshire, United Kingdom

B. Pardo, K. Zamore, L. Short, E. Johnson – Synthetic Cannabinoids in the District: An assessment of the market indicators in Washington, DC. RAND Corporation, United States of America

E. Preverte, A. Hupli A, S. Marrinan, D. Singh, B. D' Udine, G. Bersani, K.P.C. Kuypers, J.G. Ramaekers, O. Corazza – Is Kratom (*Mitragyna speciosa*) a safe medicinal aid? A Netnographic Analysis of Experiences and Comments on YouTube™. Maastricht University, Netherlands

M. Prilutskaya – Facing ever-changing trends: prevalence and patterns of New Psychoactive Substances use in the young population of Kazakhstan. Semey Medical University, Kazakhstan

K.M. Shestakova, P.A. Markin, F. Tagliaro, S.A. Appolonova – Pharmacokinetic study of a new synthetic cannabinoid 5F-APINAC and its influence on tryptophan metabolism in rabbit models. I. M. Sechenov First Moscow State Medical University, Russia

L.C. Short – Deployment of an NPS Surveillance Program in the District. D.C. Department of Forensic Sciences

D. Singh, S. Narayanan, H. Krishnan, B. Singh, B. Balasingam Vicknasingam – The Relationship between Amphetamine-Type Stimulant (ATS) Use and Violent Crime in Penang, Malaysia: Findings from a Preliminary Study. Universiti Sains Malaysia, Malaysia

D. Singh, S. Narayanan, T. Shanmugam, B. Vicknasingam – Treatment Barriers Associated with Amphetamine-Type-Stimulant (ATS) Use in Malaysia. Universiti Sains Malaysia, Malaysia

D. Singh, S. Narayanan, B. Vicknasingam, W.C. Prozialeck, K.E. Smith, O. Corazza, J.E. Henningfield, O. Grundmann – Kratom (*Mitragyna speciosa* Korth.) Use among Opioid Users with Amphetamine-Type-Stimulant (ATS) Use History in Malaysia. Universiti Sains Malaysia, Malaysia

M. Vigar, M., C. Watkins – NPS in prison settings in the UK, HMP & YOI Parc