



EBPS Biennial Meeting
17-20 September 2025 Almería, Spain



Wednesday 17th Sept	Thursday 18th Sept	Friday 19th Sept	Saturday 20th Sept
	8:30-9:15 Plenary lecture Angela Roberts	8:30-9:15 Plenary lecture Marta Miquel	9:00-9:45 Plenary lecture John Cryan
9:30 - 13:00 Pre-meeting Workshop	9:30 - 11:00 Featured Symposia 1	9:30 - 11:00 Featured Symposia 2	10:00 - 11:30 Parallel symposia S19, S20 & S21
	11:00-11:30 Coffee break	11:00-11:30 Coffee break	11:30- 12:00 Coffee break
13:00 -15:00 Registration Opens	11:30-13:00 Parallel Symposia S1, S2 &S3	11:30-13:00 Parallel Symposia S10, S11 & S12	12:00 - 13:30 Parallel Symposia S22, S23 & S24
15:00 - 15:10 Welcome EBPS 2025	13:00 - 15:00 Lunch and Posters	13:00 - 15:00 Lunch and Posters	13:30 - 14:00 EBPS Assembly Closing Remarks
15:10 - 16:00 Travel Award Data Blitz	15:00 - 16:30 Parallel Symposia S4, S5 & S6	15:00 - 16:30 Parallel Symposia S13, S14 & S15	
16:05 - 17:00 Marian Jöels IDEA panel	16:45 - 18:15 Parallel Symposia S7, S8 & S9	16:45-18:15 Parallel Symposia S16, S17 & S18	
17:00 - 17:30 Break Mentor-Mentee meeting	18:30 - 19:30 Parallel Nanosymposia	18:30 - 19:30 Roundtable Ethic and reserach	
17:30 - 19:00 Awardee Ceremony Plenary lectures Ida Frederikssen and Dora Duka		18:30 - 19: 30 Roundtable IDEA	
19:00 - 20:30 Opening Reception			



WEDNESDAY 17TH SEPTEMBER 2025

9:30 - 13:00 Pre-meeting workshop

Organized by Merce Correa (*Spain*)

"From bench to bedside: how to improve the translational aspect of your research"

Topics:

Applied behavioral and computational tools IA. **Laura Lopez Cruz, Anna Stuckert and Santiago Mora** (*United Kingdom*).
How to deal with the pharma industry. **Trevor Robbins** (*United Kingdom*) and **John Salamone** (*USA*).

12:00 - 15:00 Registration Opens

15:00 - 15:10 Welcome

15:10 - 16:00 Travel Awardee Data Blitz

16:05 - 17:00 Panel discussion on Inclusion, Diversity, Equity and Accesibility with Marian Jöels (*Netherlands*)

17:00 - 17:30 Break and Mentor-Mentee meeting

17:30 - 19:00 Awardee Ceremony

Early career Investigator Award lecture Ida Fredriksson (*Sweden*)

Distinguished Investigator Award lecture Dora Duka (*United Kingdom*)

19:00 - 20:30 Opening Reception

THURSDAY 18TH SEPTEMBER 2025

8:30 - 9:15 Plenary lecture

Angela Roberts (UK) Prefrontal regulation of emotion: insights into anhedonia, anxiety and pharmacotherapy

9:30 - 11:00 Featured Symposia 1

Global Perspectives on Neuropsychiatric Research: Stress, Cognition, and Innovative Therapeutics.

Chair: Princess Felix (USA)

Vidita Vaidya (India)

Neurocircuitry and Molecular Regulation of Stress and Emotion in Mood Disorders

Oritoke Okeowo (Nigeria)

Novel Pharmacological Approaches for Stress Related Disorders

Inna Gaisler-Salomon (Israel)

Transgenerational Stress and Glutamate Dysregulation in Cognitive Dysfunction

Gwladys Ngoupaye (Cameroon)

Cameroonian Medicinal Plants: Mechanistic Insights on Stress-Induced Cognitive Deficits

11:00 - 11:30 Coffee break

11:30 - 13:00 Parallel symposia

Symposium 1 • Endocannabinoids and sex-dependent behavior: Insights from development to adulthood.

Chair: Carmen Sandi (Switzerland)

Miriam Melis (Italy)

Sex-specific phenotypes induced by prenatal perturbation of endocannabinoid signaling

Olivier Manzoni (France)

Lifelong sex-specific impacts of prenatal cannabis exposure

Arnau Busquets Garcia (Spain)

Cannabinoid receptors and higher-order conditioning

Silvie Ruigrok (Switzerland)

Estrous cycle modulation of anxiety and motivation - focus on the endocannabinoid system

Symposium 2 • Recent advances in addiction vulnerability in animal models and humans

Chair: Yavin Shaham (USA)

Nazzareno Cannella (Italy)

Multisymptomatic screening reveals differences of addiction behavior and treatment outcome

Ginevra D'Ottavio (USA)

Exploring addiction vulnerability in preclinical models using drug vs social choice tasks

Irene Perini (Sweden)

Choice preference for alcohol over a natural reward in heavy versus light drinkers

Xiaosi Gu (USA)

A computational mechanism linking momentary craving and reward learning

Symposium 3 • A translational perspective on safety learning and safety behaviours

Chair: Joanna Yau (Australia)

Heidi Meyer (USA)

Experience with safety learning can scale later fear responding

Alba López Moraga (Belgium)

Differential effects of chronic stress on active avoidance procedures

Patrick Laing (USA)

Neural and behavioral mechanisms of Pavlovian safety learning

Sarah Tashjian (Australia)

vmPFC integration of safety information in humans

13:00 - 15:00 Lunch and Posters

15:00 - 16:30 Parallel Symposia

Symposium 4 • Innovations and Challenges of Psychedelics in Behavioral Health Disorders

Chair: Kathryn Cunningham (USA)

Kathryn Cunningham (USA)

Probing Mechanisms and Novel 5-HT_{2R} Modulators as Psychedelic-Inspired Therapeutics for Cocaine Use Disorder

Kurt Rasmussen (USA)

Therapeutic potential for non-hallucinogenic psychoplastogens

Friederike Holze (Switzerland)

Clinical pharmacology of different psychedelic drugs in healthy human volunteers

Leah Mayo (Canada)

Challenges and opportunities in psychedelic clinical trial design

Symposium 5 • Using Computational & Cognitive Methods to Study Substance Use Over the Addiction Course

Chair: Justin Strickland (USA)

Justin Strickland (USA)

Evaluating Value-Based Decision-Making Mechanisms Underlying Opioid Use Disorder

Amber Copeland (UK)

Modelling Changes in Value-Based Decision-Making in Response to Contingency Management

Samuel Acuff (USA)

Exploring Trajectories Between Behavioral Economic Reward and Cannabis Use

José C. Perales (Spain)

The Role of Emotion Regulation Mechanisms in Gambling and Gaming Craving

Symposium 6 • Motivational and cognitive effects of manipulating the dopamine transporter: Potential therapeutic actions of atypical DAT inhibitors. *Chair: Mercè Correa (Spain)*

Mercè Correa (Spain)

Vigor and work selection after bupropion administration in mice

John D. Salamone (USA)

Effort-related motivational effects of novel atypical DAT inhibitors in rats of both sexes

Jana Lubec (Austria)

Neurochemical, physiological, and cognitive effects of dopamine transporter inhibitors in aging rats

Marta Pardo (Spain)

DAT transgenic rats as a new model for vulnerability to stress

16:45 - 18:15 Parallel Symposia

Symposium 7 • From synapse to nucleus: an integrated view of neuronal ensembles

Chair: F. Javier Rubio (USA)

Eisuke Koya (UK)

Environmental enrichment suppresses food seeking and induces Prelimbic ensemble overdrive

Leslie Ramsey (USA)

Searching for the engram in prefrontal cortical neuronal ensembles: mechanisms that mediate drug and social learning

Sophie Tronel (France)

Looking for the engram of PTSD-like memory: focus on the role of NMDA receptors of the Anterior Cingulate cortex in traumatic memory maintenance

F. Javier Rubio (USA)

Plasticity changes in synapses from neuronal ensembles: seeking the synaptic ensemble

Symposium 8 • Pharmacology and Neural Mechanisms of Comorbid Pain and Drug Use

Chair: Nicholas W. Gilpin (USA)

Lucía Hipólito-Cubedo (Spain)

Modeling negative affective states comorbid with pain and drug intake: insights from rat models and translational perspectives

Jose Moron-Concepcion (USA)

Sex-specific effects of inflammatory pain on fentanyl self-administration and modulation by ovarian hormones

Joyce T. Da Silva (USA)

Periaqueductal Gray (PAG) Connectivity and Its Role in Chronic Pain and Addiction in Osteoarthritis: A Whole-Brain Approach

Nicholas W. Gilpin (USA)

Vaporized Cannabinoid Inhalation Effects on Chronic Inflammatory Pain Outcomes

Symposium 9 • Behavioural and neurobiological mechanisms of choice in rodent models of addiction

Chair: Nathan Marchant (Netherlands)

Nathan Marchant (Netherlands)

Role of anterior insula cortex in choice between alcohol and social reward

Marco Venniro (USA)

Neurobiological mechanisms mediating social and drug craving

Youna Vandaele (France)

Investigation of the decision-making processes underlying choice between drug and nondrug rewards

Jamie Peters (USA)

Mu opioid receptors and heroin vs. alcohol choice

18:30 - 19:30 Parallel Nanosymposia

Nanosymposium 1 • Amyotrophic lateral sclerosis: from the bench to the clinic

Chair: Santiago Mora (UK)

Xavier Navarro (Spain)

Pharmacological targeting Kv7 and TSPO as a therapeutic strategy for ALS

Silvia Corrochano (Spain)

Diet impact in modifying motor-cognitive phenotype in a mouse model of TDP43 proteinopathy

Beatriz Vélez-Gómez (Spain)

Comprehensive pharmacological approach in ALS: quality of life beyond motor symptoms

Ilary Allodi (UK)

Gene therapy strategies for the treatment of Amyotrophic Lateral Sclerosis

Nanosymposium 2 • Cannabinoid regulation of behaviour: addiction, cell specificity and development

Chair: Alejandro Higuera-Matas (Spain)

Luigi Bellocchio (France)

Cellular and Sub-cellular targets of cannabinoids: from signaling to behavior and beyond

Mireia Medrano (Spain)

The role of PPAR-gamma as a modulator of cocaine-seeking behaviour in male and female mice

Alejandro Higuera-Matas (Spain)

Exposure to cannabinoids during adolescence as a risk factor for psychopathology

Erika Zamberletti (Italy)

Sex-dependent consequences of adolescent exposure to different THC and CBD combinations

Nanosymposium 3 • Beyond D1 and D2 Dopamine Receptor-Expressing Neurons: Modulating Circuits and Behavior

Chair: Michelle W. Antoine (USA)

David Haggerty (USA)

D1/D2 Input to Npas1+ GPe Neurons Shapes Motor and Reward Actions

Bernard Le Foll (Canada)

Dopamine D3 Receptors in Nicotine Addiction: From Preclinical to Clinical Studies

Melissa Perreault (Canada)

Exploring the Functional Role of Gq-Coupled Dopamine Receptors in the Brain

Michelle W. Antoine (USA)

Roles of Striatal Neurons Co-Expressing Dopamine D1/D2 Receptors in Autism Mouse Models.

FRIDAY 19TH SEPTEMBER 2025

8:30 - 9:15 Plenary lecture

Marta Miquel (*Spain*) "Cerebellar modulation of drug-induced reward: How Cinderella came to the ball"

9:30 - 11:00 Featured Symposia 2

Advanced Technologies and Big Data in Behavioral Pharmacology and Psychiatry

Chair: Brenda Curtis (*USA*)

Brenda Curtis (*USA*)

Digital Surveillance for Substance Use Trends: Social Media and Behavioral Data Analysis

Peter R. Chai (*USA*)

Smartphone phenotypes of PrEP adherence in substance use

Ignacio Obeso (*Spain*)

NeuroCognitive Dynamics in Pre-Addiction States Using Big Data and Neurotechnology

Stephanie Carreiro (*Spain*)

Wearable Sensors to Understand, Predict, and Respond to Substance Use Treatment

11:00 - 11:30 Coffee break

11:30 - 13:00 Parallel symposia

Symposium 10 • Triggered Temptations: New Findings on How Environmental Cues Fuel Addiction and Gambling

Chair: Anna Samaha (*Canada*)

Anna Samaha (*Canada*)

Modeling cue-triggered relapse to cocaine use in rats

Muhammad Parvaz (*USA*)

Neurobiology of incubation of cue-reactivity in individuals with stimulants use disorders

Catharine Winstanley (*Canada*)

Win-paired cues drive risky choice through divergent mechanisms in male and female rats

Rajita Sinha (*USA*)

Drugs, Stress Cues or Both? Prospective effects on Craving and Drug Use in the Real World.

Symposium 11 • Neurohormonal dysregulations underlying alcohol and opioid use disorders

Chair: Brendan Tunstall (*USA*)

Dr. Brendan Tunstall (*USA*)

Oxytocin against hyperalgesia and intensified alcohol drinking in alcohol dependence

Dr. Kristen Pleil (*USA*)

Estrogen enhancement of risky alcohol drinking behavior

Dr. Brandon Warren (*USA*)

Novel MOR-partial agonist against opioid self-administration, withdrawal, and pain

Dr. Hayley Manke (*USA*)

Role of PKC ϵ in Alcohol Dependence

Symposium 12 • New insights on individual differences in pain and interoception using dense sampling techniques in humans. **Chair: Siri Leknes** (*Norway*)

Micah Allen (*Denmark*)

Brain-gut functional interactions in response to semaglutide treatment: a dense sampling N-of-1 fMRI study

India Morrison (*Sweden*)

Iterative dyadic social interactions reveal context-sensitive neurohormonal changes

Karin Jensen (*Sweden*)

Neural learning mechanisms in the development of nociplastic pain: a dense sampling prospective longitudinal study of chronic non-specific pain

Marie Eikemo (*Norway*)

Predicting opioid responses and opioid use in surgery patients in the U.S. and Norway

13:00 - 15:00 Lunch and Posters

15:00 - 16:30 Parallel Symposia

Symposium 13 • The Stress of the Trip: Interactions between psychedelics and the stress response

Chair: Ana Deutsch (Canada)

Ana Deutsch (Canada)

The impact of LSD and MDMA on stress-related biomarkers & the eCB system in healthy humans

Sarah Gibson Cook (Italy)

Psilocybin induces sex- and context-specific recruitment of the stress axis

Helena Aicher (Switzerland)

Impact of Ayahuasca-Inspired DMT/Harmine Formulation on Stress Reactivity & the ANS in Healthy Humans

Margareth Nogueira (USA)

5-MeO-DMT effects on anxiety-related behavior and gene expression

Symposium 14 • Beyond Reward Prediction Error: translational conceptualizations, findings, and applications that shed a new light on dopamine's function in complex behavior. **Chair: Rita Goldstein (USA)**

Vijay Mohan K Nambodiri (USA)

Extinction and retrospective learning

Geoffrey Schoenbaum (USA)

Striatal dopamine signals errors in cue prediction during sensory preconditioning

Rita Goldstein (USA)

Methylphenidate- and reconsolidation-enhanced drug memory forgetting in human addiction

Roshan Cools (Netherlands)

Role of dopamine in controllability inference for human cognitive control

Symposium 15 • Addictive Substances and Their Impact on Brain and Molecular Pathways

Chair: Mohamed Kabbaj (USA)

Stefania Maccari (France)

Prenatal stress effects on alcohol drinking: role of oxytocin and metabotropic receptors

Mary K Lobo (USA)

Perinatal fentanyl exposure impacts behavioral and brain molecular mechanisms

Mohamed Kabbaj (USA)

Role of medium spiny neurons in ketamine reinstatement

Marcelo Wood (USA)

Investigating the opposing roles of the nuclear orphan receptor NR4A2 in drug-seeking and relapse of drug-seeking

16:45 - 18:15 Parallel Symposia

Symposium 16 • Oxytocin: A promising old acquaintance

Chair: Rossella Ventura (Italy)

Valery Grinevich (Germany)

Oxytocin signaling in the prefrontal cortex

Inga D. Neumann (Germany)

Prosocial, anxiolytic, and Stress-protective effects of oxytocin in rodents

Bice Chini (Italy)

Long-lasting effects of Early life Oxytocin Administration in mice models of neurodevelopmental disorders

Simona Cabib (Italy)

Role of oxytocin in the development of the motivational salience neurocircuitry

Symposium 17 • New insights into neuromodulatory underpinnings of adaptive behaviour

Chair: Philip Jean-Richard-dit-Bressel (Australia)

Emmanuel Valjent (France)

Deconstructing the role of dopamine D2 receptors in motivated behaviors

Philip Jean-Richard-dit-Bressel (*Australia*)

Monoamine release during instrumental versus Pavlovian aversive learning

Laura Corbit (*Canada*)

Locus coeruleus activity promotes learning updates following changes in reward

Jay Bertran-Gonzalez (*Australia*)

At D2-neuron's discretion: revealing dominant D2-to D1-neuron modulation in learning

Symposium 18 • The use of non-human primates in addiction-related research

Chair: Christelle Baunez (*France*)

Daniel Borgatti (*USA*)

Role of sleep disruption in cognitive impairment associated with methamphetamine use in rhesus monkeys

Paul Czoty (*USA*)

Nociceptin-orphanin FQ peptide (NOP) receptors as promising targets for substance use disorder medications: evidence from nonhuman primate models.

Christelle Baunez (*France*)

Motivation for cocaine is reduced by subthalamic nucleus deep brain stimulation in macaques

Anders Fink-Jensen (*Denmark*)

Effect of semaglutide and other glucagon-like peptide-1 (GLP-1) receptor agonists on alcohol consumption in alcohol-preferring vervet monkeys

18:30 - 19:30 Roundtable on animal research

18:30 - 19:30 Roundtable IDEA

SATURDAY 20TH SEPTEMBER 2025

9:00 - 9:45 Plenary Lecture

John Cryan (*Ireland*) "Bugs, drugs & behaviour: microbiome as a key regulator of brain function across the lifespan"

10:00 - 11:30 Parallel symposia

Symposium 19 • The role of prefrontal cortical networks in flexible and compulsive reward-related behavior

Chair: Ingo Willuhn (*Netherlands*)

Alicia Izquierdo (*USA*)

Frontocortical circuits in learning under uncertainty

Ingo Willuhn (*Netherlands*)

Cortico-striatal circuits mediate compulsive behavior in schedule-induced polydipsia

Frank Meye (*Netherlands*)

A prefrontal cortex-lateral hypothalamus circuit controls stress-driven food intake

Stephanie Borgland (*Canada*)

Effect of astrocyte dysfunction in the OFC on goal-directed behaviour

Symposium 20 • The Dual Impact of Cannabis: Chronic and Acute Effects of Cannabinoids on Human Behaviour

Chair: Sara Kroll (*Switzerland*)

Lukas Eggenberger (*Switzerland*)

Linking THC and CBD Hair Analytes to Cognitive and Mental Health Outcomes

Ziva Cooper (*USA*)

Sex-dependent effects of cannabis: Does use frequency impact outcomes?

Amir Englund (*UK*)

The interactive effects of THC and CBD in healthy volunteers and schizophrenia patients

Connor Haggarty (*USA*)

Harnessing the cannabinoid system for the treatment of PTSD

Symposium 21 • Role of microglia in synaptic plasticity associated with substance use disorders

Chair: Ingrid Reverte (Italy)

Daniele Caprioli (Italy)

Microglia and AMPA receptor plasticity during cocaine withdrawal

Marie-Eve Tremblay (Canada)

The outcomes of cannabinoids and psychedelics on microglia

Jacqueline Barker (USA)

Neuroimmune mechanisms of dysregulated cocaine seeking in a mouse model of HIV infection

Liliana M. Cancela (Argentina)

Microglia and Glutamatergic Mechanisms in Stress-Induced Vulnerability to Cocaine Addiction

11:30 - 12:00 Coffee break

12:00 - 13:30 Parallel symposia

Symposium 22 • New therapies for psychostimulant addiction

Chair: Malgorzata Filip/Christian P. Müller (Poland/Germany)

Malgorzata Filip (Poland)

Cocaine seeking during abstinence: effects of esketamine and Tat-NR2B9c peptide

Judith R. Homberg (Netherlands)

Controlling cocaine reward and self-administration by targeting dopaminergic and serotonergic storage vesicles

Rainer Spanagel (Germany)

Cell type-specific multi-omics analysis of cocaine use disorder in the addiction circuitry reveals new drug targets

Christian P. Müller (Germany)

The pharmacotherapy of psychostimulant use disorders – past, present, and future ideas

Symposium 23 • Sex Differences in the Risk, Pathophysiology, and Treatment of Neuropsychiatric Disorders

Chair: Christina Dalla (Greece)

Debra Bangasser (USA)

Sex differences in the effects of early resource scarcity on motivated behavior

Christina Dalla (Greece)

Sex differences in psycho-pharmacological effects of GPER1 estrogen membrane receptor

Patrizia Campolongo (Italy)

Sex differences in fear expression and persistence in an animal model of PTSD

Ivan Nalvarte (Sweden)

Sex hormones, gender, and the aging brain

Symposium 24 • Uncovering the behavioral and biological factors underlying individual differences in risk for alcohol use disorder. Chair: Andrew Holmes (USA)

Esi Domi (Italy)

Individual differences and neural substrates in compulsive alcohol self-administration

Anna Beyeler (France)

Contribution of the insular cortex to persistent alcohol drinking in mice

Andrew Holmes (USA)

Artificial intelligence-based prediction of individual differences in mouse alcohol binge-drinking

Markus Heilig (Sweden)

Massive single-nucleus transcriptional profiling reveals a novel molecular substrate of compulsive alcohol use

13:30 - 14:00 EBPS Assembly and Closing Remarks

14:00 - 14:30 EBPS Executive Committee Meeting (by invitation including new members)