

17.10.2023. TUESDAY

8:00-18:00

REGISTRATION

PARALLEL SYMPOSIA

S29 "Clinical, behavioral and neurodevelopmental effects of stress life span: can we identify biomarkers of vulnerability?"

(Carthage I room)

CHAIR: Annamaria Cattaneo (IT)

S29.1 Annamaria Cattaneo (University of Milan, Italy):

"Inflammatory biomarkers for an early screening of vulnerability and for a personalized intervention"

S29.2 Valentina Zonca (King's College London, UK):

"Impairment of social behavior is associated with a different transcriptomic profile of the Habenula in vulnerable and resilient rats exposed to prenatal stress"

S29.3 Hannah Juncker (Amsterdam University Medical Center, The Netherlands):

"From maternal psychopathology to child neurodevelopment: the role of early-life nutrition, mechanisms and promising targets for intervention"

S29.4 Claudio D'Addario (University of Teramo, Italy):

"Impact of stress on mental health: epigenetic biomarkers"

S30 "Precipitants of brain (mal)plasticity and pathology in the new era of precision medicine" (Carthage II room)

CHAIR: Ioannis Sotiropoulos (GR)

S30.1 Farida Sohrabji (Texas A&M University School of Medicine, TX, USA):

"The expected and the unexpected: neuroprotective effects of estrogens for stroke diverge dependent on reproductive age"

S30.2 Ioannis Sotiropoulos (Institute of Biosciences & Applications, RCSR Demokritos, Greece):

"The stressed brain: a gate along the path from depression to Alzheimer's disease"

S30.3 Liisa Galea (Centre for Addiction and Mental Health, Toronto, ON, Canada):

"Sex differences in Negative Cognitive Bias"

S30.4 Iva D. Tzvetanova (European University Cyprus, Cyprus):

"Oligodendroglial Support of Axonal Function in Health and Disease"

9:00-10:50

S31 "Preclinical study of the mechanism of action of psychedelics" (Carthage III room)

CHAIRS: Nasser Haddjeri (FR), Philippe De Deurwaerdère (FR)

S31.1 Bruno P Guiard (Centre de Recherches sur la Cognition Animale (CRCA), Toulouse, France):

"Influence of the context of administration in the psychopharmacological profile of the psychedelic 5-MeO-DMT"

S31.2 Amel Bouloufa (University of Lyon, France):

"The prototypical hallucinogen LSD produces rapid antidepressant effects via 5-HT_{2B} receptor activation"

S31.3 Jasmine J Butler (University La Charité, Berlin, Germany):

"The 5-HT_{2A} receptor agonist TCB-2 disrupts the correlative links between numerous classical neurotransmitters in the mouse brain"

S31.4 Danilo De Gregorio (San Raffaele University, Milan, Italy):

"Role of LSD in anxiety and social behavior"

S32 "Neurobiology of alcohol and opiates use disorders" (Majles room)

CHAIR: Sami Ben Hamida (FR)

S32.1 Mickael Naassila (Université de Picardie Jules Verne, Amiens, France):

"Effectiveness of psychedelics on alcohol use disorders"

S32.2 Eric Augier (Center for Social and Affective Neuroscience, CSAN, Sweden):

"the GABA transporter GAT-3 and GABAergic transmission in the CeA: a common role in alcohol and drug use disorder?"

S32.3 Emmanuel Darq (Interdisciplinary Cluster for Applied Genoproteomics (GIGA-R), Belgium):

"Unveiling the consequences of adolescent alcohol exposure on prefrontal cortex maturation"

S32.4 Sami Ben Hamida (Université de Picardie Jules Verne, Amiens, France):

"mPFC and alcohol related-behaviors"

10:50-

11:10

COFFEE BREAK/POSTERS

PARALLEL SYMPOSIA

S33 “EpiEpiNetwork MNS Symposium: Next steps on epilepsy research: from brain dysfunction and immunity to comorbidities” (Carthage I room)

CHAIRS: Sandra H Vaz (ES); Tatiana P. Morais (MT)

S33.1 Gabriele Ruffolo (Sapienza University of Rome, Italy):

“GABAergic neurotransmission: a common hallmark of neurodevelopmental impairment”

S33.2 Cristina Limatola (Sapienza University of Rome, Italy):

“GABAergic modulation by immune cells and effects on memory”

S33.3 Marco Ledri (Lund University Hospital, Sölvegatan, Sweden):

“Early postnatal transplantation of human stem cell-derived GABAergic interneurons alters the adult epileptic phenotype of Cntnap2 knock-out mice”

S33.4 Sandra Vaz (Universidade de Lisboa, Portugal):

“Cognitive comorbidities of absence seizures”

S34.5 Tatiana Morais (Malta University, Malta):

“Absence Seizures Comorbidities and Their Pharmacological Modulation”



S34 “Regulation of cognitive control from rodents to primates and humans” (Carthage II room)

CHAIR: Radwa Khalil (DE)

S34.1 Emiliano Macaluso (Université Claude Bernard Lyon 1, Bron, France):

“Combining external and internal signals for attentional selection : from simple visual displays to active behavior in complex virtual environments”

S34.2 Zakria Ouhaz (University of Oxford, UK):

“Unravelling the contribution of the mediodorsal thalamus in reward-guided decision making: insights from rodents and primates’ studies”

S34.3 Sarah Bou Sader Nehme (Holy Spirit University of Kaslik, Lebanon):

“Neuroinflammatory Mechanisms of Pain Hypersensitization In A Mouse Model Of Attention-Deficit/Hyperactivity Disorder (ADHD)”

S34.4 Ilona Kotlewska (Jagiellonian University, Kraków, Poland):

“Evidence for two sources of EEG theta-band activity during proactive action control: midfrontal and right lateral-prefrontal”

S34.5 Radwa Khalil (Constructor University, Bremen, Germany):

“Inhibitory control and creative performance in humans”

S35 “Molecular targets in alcoholism and associated neuropsychiatric disorders” (Carthage III room)

CHAIR: Mohamed Kabbaj (USA)

S35.1 Mohamed Kabbaj (Florida State University, FL, USA):

“Effects of ketamine on alcohol drinking in rats”

S35.2 Mickael Naassila (Université de Picardie Jules Verne, Amiens, France):

“Targeting epigenetic mechanisms to treat alcohol use disorder: insights from animal models”

35.3 Stefania Maccari (Campus Cité Scientifique, CNRS, Lille, France):

“Perinatal stress and alcohol drinking on sleep cycle: role of metabotropic receptors”

35.4 Nazzareno Cannella (University of Camerino, Italy):

“A reverse translational approach to evaluate individual variability in treatment response in alcoholism”

S36 “New insights in brain homeostasis” (Majles room)

CHAIR: Thiriet Nathalie (FR)

S36.1 Thiriet Nathalie (INSERM, University of Poitiers, Poitiers, France):

“Acute and chronic cocaine and nicotine change the expression of genes involved in cholesterol homeostasis in the rat dorsal striatum”

S36.2 Mélodie Devère (INSERM, Normandie University, Rouen, France):

“The chemogenetic activation of a novel key subpopulation of neurons, expressing 26rfa and orexins, elucidates part of the fine and complex hypothalamic regulation of glucose and energy homeostasis”

S36.3 Laila Berroug (Sultan Moulay Slimane University, Beni Mellal, Morocco):

“Sex-specific neurobehavioral and biochemical effects of developmental exposure to malathion in offspring mice”

S36.4 Meriem Laaroussi (Sultan Moulay Slimane University, Beni Mellal, Morocco):

“Chronic exposure to inorganic mercury affects neurobehavioral and oxidative stress in female mice”

11:10-13:00

13:00-14:00

LUNCH

14:00-15:20

Experimental Design and Reporting WORKSHOP Nathalie Percie du Sert, Esther Pearl & Stephen Turnock (VIRTUAL)



National Centre for the Replacement, Refinement & Reduction of Animals in Research

PARALLEL SYMPOSIA

15.20-17.10	<p>S37 “The “invisible” disability: neurological disorders including chronic pain and epilepsy” (Carthage I room) CHAIR: Katarzyna Starowicz (PL); Livio Luongo (IT) S37.1 Katarzyna Starowicz (Maj Institute of Pharmacology Polish Academy of Sciences, Kraków, Poland): “Therapeutic potential of endocannabinoids for the treatment of chronic pain and associated cognitive impairment” S37.2 Livio Luongo (University of Campania Luigi Vanvitelli, Naples, Italy): “Potential role of the hydroxyl carboxylic acid receptor type 2 (HCAR2) in microglia pathophysiology and pain implications” S37.3 Cristiano Bombardi (University of Bologna, Bologna, Italy): “5-HT2CR endocannabinoids interaction in absence epilepsy” S37.4 Rosmara Infantino (University of Campania Luigi Vanvitelli, Naples, Italy): “Old skulls tie new tricks: the therapeutic potential of the novel cannabimimetic substance Δ9-Tetrahydrocannabinophorol in the Central Post-Stroke Pain” S37.5 Alon Friedman (Dalhousie University, Halifax, Canada): “Neuro-glia-vascular interactions in health and disease: Time for translation”</p>
	<p>S38 “Maternal environment during perinatal life affects offspring brain development and life-long brain functions” (Carthage II room) CHAIR: Marialetizia Rastelli (FR); Sebastien Bouret (FR) S38.1 Laura Dearden (University of Cambridge, UK): “Early life programming of obesity via a hypothalamic miRNA involved in fatty acid sensing” S38.2 Oumaima Essaidi (Sultan Moulay Slimane University, Beni Mellal, Morocco): “Prenatal restraint stress affects maternal behavior, early neurobehavioral response and oxidative stress in mice pups” S38.3 Roberta Haddad-Tovoli (Institut d'Investigacions Biomèdiques August Pi i Sunyer, IDIBAPS), Barcelona, Spain): “Neuronal circuits underlying maternal dietary habits and the programming of offspring health” S38.4 Stefania Maccari (University of Lille, France): “The intergenerational inheritance of early life stress is transmitted by maternal oxytocin”</p>
	<p>S39 “Neural Cell Metabolism in Health and Disease” (Carthage III room) CHAIR: Natalie Rasgon (USA) S39.1 Mark Rasenick (University of Illinois College of Medicine, Chicago, IL, USA) “A biosignature for depression and antidepressant response: Roles of G proteins, lipid rafts, and the cytoskeleton” S39.2 Nina Vardjan (University of Ljubljana, Slovenia): “Lipid droplet homeostasis under stress and ageing” S39.3 Robert Zorec (University of Ljubljana, Slovenia): “Astroglial mechanisms of neurodegeneration and viral infection” S39.4 Natalie Rasgon (Stanford University School of Medicine, USA): “A neuroglial circuit for maternal behaviour”</p>
17.10-18.00	<p>COFFEE BREAK/POSTERS IN PRESENCE</p>
18:00-19:00	<p>KEYNOTE LECTURE: DANIELE PIOMELLI <i>The long-term impact of cannabis use in adolescence: it's time to take a fresh look</i> CHAIR: Patrizia Campolongo (Carthage I room)</p>