

INSIDE THE ADDICTED BRAIN: UNDERSTANDING THE NEUROBIOLOGY TO PROGRAM THE INTERVENTION

Aula Magna Collegio Cattaneo, Varese
Università degli Studi dell'Insubria
31 maggio – 1 giugno

Scientific Committee:

Daniela Parolaro, University of Insubria
Carla Cannizzaro, University of Palermo
Paola Fadda, University of Cagliari
Patrizia Romualdi, University of Bologna
Tiziana Rubino, University of Insubria
Cristiano Chiamulera, University of Verona

Organizing Committee:

Daniela Parolaro
Tiziana Rubino
Erica Zamberletti
Pamela Prini



Venue informations

The meeting will be held in the hall of Collegio Cattaneo, located few steps beyond the Department of Biotechnology and Life Sciences, via Dunant 3, Varese.

Due to its walking distance from the conference venue, the most convenient hotel to stay the night is the IBIS STYLES VARESE, via Fusinato (<http://www.ibis.com/it/hotel-A9V1-ibis-styles-varese-/index.shtml#overview>). This hotel can also provide free of charge a shuttle transfer to via Dunant. For our event the rates are:

Single room with breakfast euro 61.00

Double room with breakfast euro 70.00

Young researchers (SIF members aged no more than 38) who will present an oral or poster communication will be hosted by the organization.

Some clues about the name...

Università degli Studi dell'Insubria was named after the Insubres, groups of Celtic origin that settled around the 4th century B.C. in this part of the Lombardy region

INVIO ABSTRACT

Deadline invio abstract: 15 marzo 2018

L'abstract (massimo 200 parole) dovrà essere redatto in lingua inglese, utilizzando come carattere il TimesNewRoman (Symbol per caratteri speciali), dimensione 12, spaziatura singola. Si prega di inviarlo come allegato per posta elettronica all'indirizzo: sifdipendenzevarese@gmail.com

Si prega di seguire lo stile indicato nel seguente modello

TITLE

Author F., Author S. and Author T.

Department of....., University of....., City, Country

Text (single spaced)

SCHEDA di ISCRIZIONE

Deadline iscrizione: 15 aprile 2018

Nome: _____ Cognome: _____

Data di Nascita: _____ Luogo di Nascita: _____

Indirizzo: _____ Città: _____

Paese: _____ CAP _____

Telefono: _____

Email: _____

Affiliazione: _____

Indirizzo: _____

N.B. Questi recapiti verranno utilizzati dalla segreteria per le future comunicazioni. Ai sensi del D.Lgs.196/2003 sulla tutela dei dati personali si autorizza alla gestione dei dati d'archivio:

SI NO

L'assenso al trattamento dei dati personali è obbligatorio ai fini del rilascio dell'attestazione di partecipazione.

FIRMA DEL RICHIEDENTE

Inviare come allegato per posta elettronica all'indirizzo: sifdipendenzevarese@gmail.com

Thursday, May 31st 2018

13.30 – 14.15 Registration
14.15 – 14.30 Opening and Congress Presentation

14.30 – 15.30 ***New Psychoactive Substances***

Chairs: **Matteo Marti**, University of Ferrara; **Maria Antonietta De Luca**, University of Cagliari

14.30 – 14.45 **Nicholas Pintori**, University of Cagliari “Differential adaptive properties of mesolimbic and mesocortical dopamine transmission to taste stimuli, neuroinflammatory effects and behavioral correlates after repeated exposure to the synthetic cannabinoid JWH018”

14.45 – 15.00 **Luisa Ponzoni**, CNR Milano “The rewarding, prosocial and anxiolytic effects of 2,5-dimethoxy-4-bromo-amphetamine hydrobromide (DOB) and paramethoxyamphetamine (PMA) are blocked by ritanserin and SR49059 in zebrafish”

15.00 – 15.15 **Giulia Margiani**, University of Cagliari “Intravenous self-administration (IVSA) of the synthetic cannabinoid receptor agonist JWH018 in adolescent mice: neuroinflammatory sequelae in adulthood”

15.15 -15.30 **Sabrina Bilel**, University of Ferrara “Pharmaco-toxicological effects of the new synthetic opioid MT-45 in mice”

15.30 – 17.15 ***Drug and stress exposure during brain vulnerability windows***

Chairs: **Patrizia Romualdi**, University of Bologna; **Valeria Carola**, Fondazione Santa Lucia Roma

15.30 – 15.45 **Anna Brancato**, University of Palermo “Prenatal cannabinoid exposure impairs emotional memory processing and neuropeptide Y modulation of fear circuits”

15.45 – 16.00 **Valentina Castelli**, University of Palermo “Gestational cannabinoids induce alcohol vulnerability in young rat progeny: is Homer 1 a putative neurobiological feature?”

16.00 – 16.15 **Clarissa Catale**, Sapienza University of Rome “Exploring immunological and developmental effects of early life adverse experiences on the mesocorticolimbic dopaminergic system”

16.15 – 16.30 **Pamela Prini**, University of Insubria “Age-dependent effect of chronic delta-9-tetrahydrocannabinol exposure on histone modifications”

16.30 – 16.45 **Erica Zamberletti**, University of Insubria “Blocking glia activation in the adolescent but not adult brain partially ameliorates long-term behavioral deficits induced by adolescent delta-9-tetrahydrocannabinol treatment”

16.45 – 17.00 **Laura Rullo**, University of Bologna “Acute MDMA intoxication damages the striatal antioxidant activity in male and female young mice”



CONVEGNO MONOTEMATICO SIF

17.00 – 17.15 **Massimo Trombini**, University of Catania “Gestational outcome of children born to opioid-agonist treated mothers”

17.15 – 17.45 Coffee Break

18.00 – 19.00 Keynote Lecture - **Prof. Rafael Maldonado**, Universitat Pompeu Fabra, Barcelona “Neurobiological bases of eating addictive-like behavior”

20.30 Social Dinner at the Varese Golf Club

Friday, June 1st 2018

9.00 – 10.00 **Glutamatergic agents and system**

Chairs: **Cristiano Chiamulera**, University of Verona; **Fabio Fumagalli**, University of Milano

9.00 – 9.15 **Alessandro Piva**, University of Verona “The metaplastic effects of NMDA receptors blockade on reactivation of appetitive memories in rats”

9.15 – 9.30 **Lucia Caffino**, University of Milano “Long-term self-administration of ketamine reorganizes the glutamate synapse in rat prefrontal cortex and hippocampus: the contribution of a alphaCaMKII-mediated mechanism”

9.30 – 9.45 **Matteo Marti**, University of Ferrara “Motor, sensorimotor and cardiorespiratory changes induced by methoxetamine, ketamine and phencyclidine in mice”

9.45 – 10.00 **Giulia Costa**, University of Cagliari “Similarities and differences in the effects of psychoactive drugs on the emission of 50-Khz ultrasonic vocalization in the rat and role of non-dopaminergic receptors”

10.00 – 11.15 Coffee Break and Poster Session

11.15 – 12.30 **Ethanol and nicotine**

Chairs: **Roberto Ciccocioppo**, University of Camerino; **Marco Pistis**, University of Cagliari

11.15 – 11.30 **Elisabetta Gerace**, University of Firenze “Glutamate receptor-mediated neurotoxicity in an in vitro model of ethanol dependence and withdrawal”

11.30 – 11.45 **Ana Domi**, University of Camerino “Multi-dimensional characterization of an alcohol dependence-prone phenotype in rats”

11.45 – 12.00 **Mauro Congiu**, University of Cagliari “Inhibition of N-acylethanolamine-hydrolysing acid amidase suppresses nicotine-induced activation of mesolimbic dopamine transmission”



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DI FARMACOLOGIA

12.00 – 12.15 **Yannick Fotio**, University of Camerino “PPAR gamma activation by pioglitazone gates alcohol drinking and stress-induced reinstatement of alcohol seeking through modulation of the mesolimbic dopamine transmission in alcohol-preferring rats”

12.15 – 12.30 **Fabio Bellia**, University of Teramo “Epigenetic regulation of oxytocin receptor: parallel alterations in alcoholism and obsessive compulsive disorder”

12.30 – 13.00 Concluding Remarks and Awards

Poster session (June 1st 10.00 – 11.15)

Mario Barbieri, University of Ferrara “Acute effects in mice of a synthetic cannabinoid (JWH-073) on behavior and neuronal electrophysiological responses”

Fabio Casarola, University of Camerino “Modelling the individual variability to develop heroin dependence in outbred NIH Heterogeneous Stock rats”

Francesca Caputi, University of Bologna “Epigenetic correlates in addiction neuroplasticity: Innate and alcohol-evoked HDACS differences in amygdaloid structures of alcohol preferring (MSP) rats”

Alice Ilari, University of Camerino “The mixed opioid receptor agonist Cebranopadol, reduces heroin-seeking behaviors in the rat”

Laura Padovani, University of Verona “Reconsolidation of appetitive memory and sleep: functional connectomics and plasticity”

Elisa Giunti, University of Cagliari “Activity-based model of anorexia nervosa induces epigenetic alterations of the endocannabinoid system and increases dopamine levels in the nucleus accumbens of rats”

Michele Petrella, University of Camerino “Role of nociceptin/orphanin FQ system in nicotine consumption and seeking”

Hong Wu Li, University of Camerino “A role for the nociceptin/orphanin-FQ (N/OFQ) system on vulnerability of cocaine dependence showed by marchigian-sardinian alcohol preferring rats”

Claudia Sgheddu, University of Cagliari “Maternal delta-9-tetrahydrocannabinol biases dopamine system towards behavioral metaplasticity”

Valeria Serra, University of Cagliari “Synaptic changes within mesocortical circuit following early life adverse experience”

Federica Penna, University of Insubria “Effect of adolescent delta-9-tetrahydrocannabinol (THC) exposure on histone modifications in the brain of female and male rats”

Marina Gabaglio, University of Insubria “Effect of endocannabinoid tone modulation on adolescent brain refinement”

