

## CONVEGNO MONOTEMATICO SIF

in collaborazione con il GRUPPO DI LAVORO SULLE DIPENDENZE PATOLOGICHE

# Addictive disorders: *from neurobiology to novel therapeutic strategies*

Sala delle Capriate, **Palazzo Steri**  
**Palermo, 27-28 March 2015**

### 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*

### Local Organizing Committee:

Carla Cannizzaro  
Anna Brancato  
Fulvio Plescia  
Emanuele Cannizzaro



SOCIETÀ ITALIANA FARMACOLOGIA

# Program

*Friday, 27.03.2015*

13:30 – 14:30 Welcome reception and Registration

14:30 – 15:00 Opening and Congress Presentation

15:00 – 17:00 *New targets and new drugs*

**Martina Palmisano**, University of Bologna – Innate and ethanol-induced differences in the Extended Amygdala gene expression between Marchigian Sardinian alcohol-preferring (msP) and Wistar rats

**Michela Rosas**, University of Cagliari – Effects of *Withania somnifera* Dunal on the motivational properties of ethanol: place conditioning and self-administration studies

**Luisa Lo Iacono**, Fondazione Santa Lucia, Rome – Adverse social experiences in juvenile mice increase cocaine-seeking behavior and alter blood gene expression

**Guendalina Olivero**, University of Genoa – Nicotinic  $\alpha 7$  receptor activation induces NMDA receptors trafficking in glutamatergic terminals of the nucleus accumbens

**Esi Domi**, University of Camerino – Pioglitazone reduces nicotine withdrawal symptoms through PPAR $\gamma$  stimulation

**Andrea Ossato**, University of Ferrara – Effect of acute administration of JWH-018 on cardiovascular functions in mice

**Isabella Canazza**, University of Ferrara – 2C-B and 251-NBOMe impair sensorimotor functions in mice

17:00 – 18:00 Coffee Break and Poster Session

18:00 – 19:00 Honorary Lecture – **Dr. Scott J. Russo**, Icahn School of Medicine at Mount Sinai, New York

20:30 Social Dinner

*Saturday, 28.03.2015*

08:30 – 10:00

*Effects of early exposure to addictive drugs*

**Anna Brancato**, University of Palermo – Drinking pattern matters: effects on maternal care and offspring vulnerability to alcohol in rats

**Lucia Caffino**, University of Milan – Repeated cocaine treatment during adolescence reduces spine density in the medial prefrontal cortex: a potential glucocorticoid receptor-mediated mechanism

**Giuseppe Giannotti**, University of Milan – Adolescent exposure to cocaine modulates BDNF in the medial prefrontal cortex of adult rats

**Pamela Prini**, University of Insubria – Role of Histone H3 Lysine 9 Try-Methylation in the development of the depressive/psychotic-like phenotype induced by adolescent THC exposure in rats

**Erica Zamberletti**, University of Insubria – Cortical neuroinflammation contributes to the development of cognitive deficits induced by adolescent THC exposure in rats

10:00 – 10:30

Coffee Break

10:30 – 11:30

*Minisymposium – The use of animals in addiction research*

**Prof. Gaetano Di Chiara**, University of Cagliari

11:30 – 12:30

*From the bench to the bedside*

**Elisabetta Gerace**, University of Florence – Studies on the toxic and neuroprotective effects of cannabinoids in models of cerebral ischemia and ischemic tolerance

**Federico Moro**, Mario Negri Institute, Milan – Effects of single and repeated N-acetylcysteine on cue-induced nicotine-seeking behavior

**Roberto Collu**, University of Cagliari – Possible role of the Endocannabinoid System in the activity-based model of anorexia nervosa

**Arianna Totti**, University of Florence – Efficacy of anti-craving pharmacological therapy based on a psychobiological model in alcohol dependence

12:30 – 13:00

Zardi Gori Foundation Awards and Concluding Remarks