



**SARDEGNA  
RICERCHE**



**OCTOBER 10-13, 2017**  
Sardegna Ricerche, Pula (CA), Sardinia, Italy

# NOVEL PSYCHOACTIVE SUBSTANCES:

new frontiers in addiction? Chair Maria Antonietta De Luca, PhD

## Aim of the Scientific School

The advent of NPS has contributed to the appearance and growth of a new 'drug scenario' characterized by an increased number of drug users among youth and the consumption of drugs with unknown effects or safety profiles. This International Scientific School provides a unique opportunity for graduate students, PhD students, and post-doctoral scientists in the early stages of their career to gain expertise in the field of NPS. This project has been funded by **Sardegna Ricerche** and the **University of Cagliari** in order to promote the study, monitoring and profiling of NPS, and prevent health damage and update relevant professionals.

### Scientific Advisory Board

**Maria Antonietta De Luca, PhD**  
Department of Biomedical Sciences,  
University of Cagliari, Italy

**Gaetano Di Chiara, MD**  
Department of Biomedical Sciences,  
University of Cagliari and IN-CNR, Italy

**Fabrizio Schifano, MD, FRCPsych**  
Psychopharmacology, Drug Misuse and  
NPS Research Unit,  
University of Hertfordshire, UK

**Pierluigi Caboni, PhD**  
Department of Life and Environmental  
Sciences, University of Cagliari, Italy

### Faculty and topics

**Emilio Ambrosio, PhD**  
National University for Distance Learning  
(UNED), Madrid, Spain  
"Animal models for pharmacological studies  
on NPS"

**Michael Baumann, PhD**  
Designer Drug Research Unit (DDRU)  
NIDA, NIH, Baltimore, USA  
"Neuropharmacology of newly-emerging  
synthetic stimulants: cathinones,  
phenethylamines, and beyond"

**Pierluigi Caboni, PhD**  
University of Cagliari, Italy  
"Chemical profiling of NPS"

**Maria Antonietta De Luca, PhD**  
University of Cagliari, Italy  
"Understanding the effects of NPS on  
mesolimbic and mesocortical dopamine  
function"

**Gaetano Di Chiara, MD**  
University of Cagliari, Italy  
"Third generation synthetic cannabinoids"

**Liana Fattore, PhD**  
Neuroscience Institute (CNR), Cagliari, Italy  
"The multiple effects of the ketamine analog  
methoxetamine: preclinical evidence"

**Adolfo Gregori, Lt Colonel**  
RIS CC. - Rome  
"Carabinieri organization and training for the  
detection of NPS"

**Matteo Marti, PhD**  
University of Ferrara, Italy  
"Pharmaco-toxicological effects of NPS"

**Laura Orsolini, MD**  
Drug Misuse and NPS Research Unit  
University of Hertfordshire, Hatfield, UK  
"The role of the deepweb in the NPS  
spread and market chain"

**Simona Pichini, PhD**  
Drug Abuse and Doping Unit National  
Centre on Addiction and Doping, Istituto  
Superiore di Sanità  
"Quali-quantitative analysis of NPS"

**Fabrizio Schifano, MD**  
University of Hertfordshire, Hatfield, UK  
"NPS issues: epidemiological data"

**Aviv M. Weinstein, MD**  
University of Ariel, Israel  
"The Effects of Synthetic cannabinoids  
on Executive Function and Related Brain  
Activity in fMRI"

### Experts Round Table (Public session)

**October 11, 2017-15.00-17.00**  
Pierluigi Caboni-University of Cagliari  
Gaetano Di Chiara-University of Cagliari  
Marco Palanca-RIS CC. Cagliari  
Maria Valeria Picci- Forensic Police Cagliari  
Fabrizio Schifano-University of Hertfordshire  
Giovanni Serpelloni-University of Florida

### Contacts

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