DOPAMINE IN MEMORIAM OF PROFESSOR UMBERTO SCAPAGNINI

Scientific Program

Saturday June 28th 2014

14.00 • 14.45 Registration
14.45 • 15.00 Opening remarks
15.00 • 16.00 OPENING LECTURE
Introduced by Filippo Drago
Dopamine and psychosis
Susan George
16.00 • 17.00 Genetics of dopamine receptors and drug addiction
Nicola Rizzuto
17.00 • 18.00 Dopaminergic system and addiction: role of epigenetics
Robert Christopher Pierce
18.00 • 18.30 Discussion

Sunday June 29th 2014

10.00 • 11.00 The neurobiology of dopamine receptors: evolution from the dual concept to heterodimer complexes
Cristina Missale
11.00 • 12.00 Applications of molecular modeling and simulations in structure-function studies of dopamine receptors and transporter
Lei Shi
12.00 • 12.30 Discussion
DOPAMINERGIC SYSTEM: FROM NEUROBIOLOGY TO DRUG DEVELOPMENT
Introduced and moderated by Cristina Missale
16.00 • 17.00 Rewards system and addiction: the role of dopamine
Gastone Di Chiara
17.00 • 18.00 Functional brain imaging of dopaminergic system
Alain Dagher
18.00 • 18.30 Discussion
18.30 • 19.30 Functionally selective signaling at the dopamine receptor: implications for drug development
John A. Allen
19.30 • 19.40 Questionnaire

Monday June 30th 2014

10.00 • 11.00 Molecular and cellular mechanisms of dopamine-mediated behavioral plasticity in the striatum
Riccardo Briondello
11.00 • 12.00 Role of dopamine in learning and addiction - findings from single cells and neuroimaging
Philip N. Tobler
12.00 • 12.30 Serotonin-dopamine interaction in drug addiction
Umberto Spampinato
12.30 • 13.00 Discussion
DOPAMINERGIC SYSTEM IN ADDICTION
Introduced and moderated by Giansfro Pepe
10.00 • 11.00 Discussion

Tuesday July 1st 2014

DOPAMINE AND ADDICTION: FROM NEUROBIOLOGY TO DRUG DEVELOPMENT
Introduced and moderated by Gastone Di Chiara
Transition to cocaine addiction: in search for relevant psychological correlates
Veronica Deronche-Gammon
17.00 • 18.00 Translational strategies for therapeutic development in nicotine addiction: Rethinking the conventional bench to bedside approach
Bernard Le Foll
18.30 • 19.30 Evidence-based pharmacological treatment of substance use disorders
Floriano Schiavo
19.30 • 19.40 Questionnaire

Wednesday July 2nd 2014

DOPAMINERGIC SYSTEM IN OCULAR PHARMACOLOGY: IMPLICATIONS FOR DRUG DISCOVERY
Introduced and moderated by Claudio Bucolo
Dopamine and intraocular pressure: implications for optic neuropathy
Jeff Kiel
11.00 • 12.00 Effects of dopamine on retinal blood flow
Leopold Schmetterer
12.00 • 12.30 Discussion

Thursday July 3rd 2014

DOPAMINE AND THE NEUROENDOCRINE SYSTEM
Introduced and moderated by Maria Angela Sortino
10.00 • 11.00 Hormonal modulation of central dopaminergic transmission: the role of prolactin
Filippo Drago
11.00 • 12.00 Role of the dopaminergic system in the physiological and pathological regulation of the HPA axis
Annamaria Cato
12.00 • 12.30 Discussion
Sponsored lecture by Otsuka Pharmaceutical
12.30 • 13.00 Molecular Pharmacology of second-generation antipsychotics: implications for the treatment of psychosis
Filippo Caraci
13.00 • 13.30 Early intervention and continuity as pillars of modern psychopharmacotherapy in schizophrenia
16.00 • 19.30 POSTER SESSION FOR PHD STUDENTS IN NEUROSCIENCE
Introduced by Claudio Bucolo, Filippo Caraci, Salvatore Salomone and Umberto Spampinato
Moderated by former PhD students: Chiara Patana, Graziana d'Arminio, Michele Malaguarnera

Friday July 4th 2014

DOPAMINE AND NEUROPSYCHIATRIC DISORDERS
Introduced and moderated by Eugenio Aguglia
The dopaminergic system in ADHD: current options and new avenues
Alessandro Zuddas
11.00 • 12.00 Dopamine system and the treatment of bipolar disorder: role of antipsychotics
Andrea Frangipane
12.00 • 13.00 Dopamine and incentive salience: novel treatment strategies for major depression
George J. Papakostas
12.30 • 13.30 Discussion
Closing remarks
Filippo Drago
13.30 • 14.00 Questionnaire