



UNIVERSITÀ
degli STUDI
di CATANIA

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Dipartimento di Scienze Biomediche e Biotecnologiche
Università degli Studi di Catania

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WINTER SCHOOL OF NEUROPSYCHOPHARMACOLOGY DRUG DISCOVERY IN DEPRESSION

Under the auspices of
International Union of Basic and Clinical Pharmacology (IUPHAR)
Neuropsychopharmacology Section

CATANIA, March 2-3 2019
“Villa Paradiso dell’Etna”, San Giovanni La Punta

SCIENTIFIC PROGRAM

SATURDAY MARCH 2 2019

10:15-11:15 Registration

11:15-11:30 Opening remarks from the President of the Italian Society for Pharmacology
Alessandro Mugelli (Firenze)

11:30-12:00 Introduction to the School and presentation of the IUPHAR Section of Neuropsychopharmacology
Filippo Drago (Catania)

12:00-13:00 Opening Lecture
Inflammation in depression: novel paths for drug discovery
Siegfried Kasper (Vienna)

13:00 Light lunch

Session 1

Genetics and epigenetics of depression

Introduced and moderated by: Eugenio Aguglia (Catania)

14:00-14:45 *Genetics of depression: new evidence*
Massimo Gennarelli (Brescia)

14:45-15:30 *Gene-environment interaction in the pathogenesis of depression: role of epigenetics*
Annamaria Cattaneo (Brescia)

15:30-16:15 *Personalized pharmacological treatment of depression: role of the clinical pharmacologist*
Edoardo Spina (Messina)

16:15-17:00 Discussion

SUNDAY MARCH 3 2019

Session 2

Neurobiology of depression: implications for drug discovery processes

Introduced and moderated by: Maria Angela Sortino (Catania)

09:30-10:15 *Chronic stress and depression: from molecular alterations to the identification of novel pharmacological targets*
Raffaella Molteni (Milano)

10:15-11:00 *Role of animal models for the study of depression associated with cognitive dysfunction: novel approaches for drug discovery processes*
Luigia Trabace (Foggia)

11:00-11:30 Break

11:30-12:15 *Glutamatergic system in the pathogenesis of depression: novel targets for the treatment*
Ferdinando Nicoletti (Catania)

12:15-13:00 Discussion

13:00 Light lunch

Session 3

From drug discovery processes to novel strategies for the diagnosis and treatment of depression

Introduced and moderated by: Salvatore Salomone (Catania)

14:00-14:45 *Role of neuroinflammation in the pathogenesis and treatment of depression*
Fabio Tascedda (Modena)

14:45-15:30 *Neurobiological and clinical links between depression and cognitive decline in Alzheimer's disease: identification of novel pharmacological targets*
Filippo Caraci (Catania)

15:30-16:00 Break

16:00-16:45 *Neurobiology and pharmacological strategies for cognitive symptoms in depression: lessons from bipolar and psychotic disorders*
Andrea De Bartolomeis (Napoli)

16:45-17:30 *Role of neuroimaging in the diagnosis and treatment of depression: from bench to bedside*
Fabio Sambataro (Udine)

17:30-18:15 Discussion

18:15-18:30 Closing remarks - Filippo Drago (Catania)

18:30-18:45 Questionnaire