

**INTERNATIONAL PhD PROGRAM IN NEUROPHARMACOLOGY  
UNIVERSITY OF CATANIA**

**SUMMER SCHOOL OF NEUROSCIENCE (8)**  
*Ottava scuola estiva di Neuroscienze (8)*

UNDER THE AUSPICES  
OF THE FEDERATION OF EUROPEAN PHARMACOLOGICAL SOCIETIES  
(EPHAR)  
THE ITALIAN SOCIETY OF PHARMACOLOGY  
(SIF)  
AND THE ITALIAN SOCIETY OF NEUROPSYCHOPHARMACOLOGY  
(SINPF)

**July 10-16 , 2010**

**SCHIZOPHRENIA AND OTHER PSYCHOSES:  
WHAT CAN CLINICS LEARN FROM BASIC  
SCIENCE?**

**Catania**

**Aula Magna  
Palazzo Centrale dell'Università  
Piazza Università, 2**

## **Scientific Advisory Board**

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## Saturday July 10<sup>th</sup>, 2010

**10.00-14.15 Registration**

**14.15-14.30 Opening remarks**  
*Filippo Drago (Catania)*

**14.30-15.30 Opening lecture (introduced by Filippo Drago)**  
**Depression in schizophrenia: new perspectives for the treatment**  
*Stuart Montgomery (United Kingdom)*

**15.30-16.00 Welcome reception**

### **Psychotic disorders: epidemiology and genetics**

*Introduced and moderated by Alessandro Rossi (Italy)*

**16.00-17.00 Psychotic disorders: epidemiology and risk factors**  
*Mauro Carta (Italy)*

**17.00-18.00 The genetics of bipolar spectrum disorders**  
*Alessandro Serretti (Italy)*

**18.00-18.30 Discussion**

**18.30-19.30 Genetics of schizophrenia: new insights from new approaches**  
*Massimo Gennarelli (Italy)*

**19.30-19.40 Questionnaire**

**Sunday July 11<sup>th</sup>, 2010**

**Schizophrenia: animal models**

*Introduced and moderated by Marco Riva (Italy)*

- 10.00-11.00** Overview on animal models of schizophrenia  
*Josè Borrell (Spain)*
- 11.00-12.00** Neural basis of psychosis-related behaviour in the infection model of schizophrenia  
*Joram Feldon (Switzerland)*
- 12.00-12.30** Discussion
- 12.30-13.30** Sponsored lecture

**Schizophrenia: from diagnosis to long-term treatment**

*Introduced and moderated by Claudio Mencacci (Italy)*

- 16.00-17.00** Factors affecting long-term outcome in schizophrenia  
*Alessandro Rossi (Italy)*
- 17.00-18.00** Treatments affecting long-term outcomes in schizophrenia  
*Roberto Cavallaro (Italy)*
- 18.00-18.30** Discussion
- 18.30-19.30** Special Lecture:  
**Neurodegeneration in Schizophrenia: implications for the treatment**  
*Hilleke Hulshoff Pol (The Netherlands)*
- 19.30-19.40** Questionnaire

**Monday July 12<sup>th</sup>, 2010**

**Neurobiology of schizophrenia**

***Introduced and moderated by Giorgio Racagni (Italy)***

**10.00-11.00    Glutamatergic system in the pathogenesis of schizophrenia**  
*Marco Riva (Italy)*

**11.00-12.00    Metabotropic glutamate receptors as new therapeutic targets for the treatment of schizophrenia**  
*Ferdinando Nicoletti (Italy)*

**12.00-13.00    Cholinergic system in schizophrenia**  
*Giancarlo Pepeu (Italy)*

**13.00-13.30    Discussion**

**Cognitive function in schizophrenia: new insights**

***Introduced and moderated by Giovanni Biggio (Italy)***

**16.00-17.00    Cognitive dysfunctions as endophenotypes of schizophrenia: neurobiological correlates**  
*Silvana Galderisi (Italy)*

**17.00-18.00    Cognitive impairment and long-term outcome in schizophrenia**  
*Eugenio Aguglia (Italy)*

**18.00-18.30    Discussion**

**18.30-19.30    Special Lecture:  
Cognitive effects of antipsychotic drugs**  
*Michael Davidson (Israel)*

**19.30-19.40    Questionnaire**

**Tuesday July 13<sup>rd</sup>, 2010**

**Drug discovery in schizophrenia**

*Introduced and moderated by Pier Luigi Canonico (Italy)*

**10.00-11.00** Searching for new pharmacological targets in schizophrenia

*Andrea De Bartolomeis (Italy)*

**11.00-12.00** New approaches for antipsychotic drug development

*Luca Pani (Italy)*

**12.00-12.30** Discussion

**12.30-13.30** Sponsored lecture

**Pharmacological treatment of schizophrenia**

*Introduced and moderated by Mauro Mauri (Italy)*

**16.00-17.00** Second-generation versus first-generation antipsychotic drugs for schizophrenia: which evidence ?

*Edoardo Spina (Italy)*

**17.00-18.00** Neuroimaging and response to treatment with antipsychotics in schizophrenia

*Alessandro Bertolino (Italy)*

**18.00-18.30** Discussion

**18.30-19.30** Special Lecture:

**Subjective well-being and quality of life under antipsychotic treatment**

*Dieter Naber (Germany)*

**19.30-19.40** Questionnaire

Wednesday July 14<sup>th</sup>, 2010

**Safety of antipsychotics: from pre-clinical evidence to regulatory restrictions**

*Introduced and moderated by Dieter Naber (Germany)*

**10.00-11.00 Cardiovascular risks of antipsychotic treatment**

*Milou-Daniel Drici (France)*

**11.00-12.00 Antipsychotic drugs and the risk of cerebrovascular events: which evidence ?**

*Emilio Sacchetti (Italy)*

**12.00-12.30 Discussion**

**12.30-13,30 Sponsored lecture**

**Bipolar disorder: from diagnosis to long-term treatment**

*Introduced and moderated by Edoardo Spina (Italy)*

**16.00-17.00 Bipolar depression: diagnostic guidelines and treatment options**

*Mauro Mauri (Italy)*

**17.00-18.00 Mixed states: clinical subtyping and implications for the treatment**

*Athanasios Koukopoulos (Italy)*

**18.00-18.30 Discussion**

**18.30-19.30 Special lecture:**

**Treating mania and managing long-term treatment of bipolar disorder**

*Siegfried Kasper (Austria)*

**19.30-19.40 Questionnaire**

Thursday July 15<sup>th</sup>, 2010

**Bipolar disorder: neurobiology and neuropharmacology**

*Introduced and moderated by Siegfried Kasper (Austria)*

- 10.00-11.00 **Neurobiological trait abnormalities in bipolar disorder**  
*Sophia Frangou (United Kingdom)*
- 11.00-12.00 **Molecular mechanisms underlying mood stabilizers efficacy: lessons from lithium**  
*Robert Belmaker (Israel)*
- 12.00-12.30 **Discussion**
- 12.30-13.30 **Sponsored lecture**

**Psychosis in neurological disorders: from diagnosis to treatment**

*Introduced and moderated by Giovanni Gambassi (Italy)*

- 16.00-17.00 **Psychotic disorders in epilepsy: etiology, clinical features, and therapeutic implications**  
*Riccardo Torta (Italy)*
- 17.00-18.00 **Psychosis in Parkinson's disease : from diagnosis to treatment**  
*Mario Zappia (Italy)*
- 18.00-18.30 **Discussion**
- 18.30-19.30 **Treatment of behavioural and psychological symptoms of dementia: which strategies?**  
*Peter De Deyn (Belgium)*
- 19.30-19.40 **Questionnaire**

**Friday July 16<sup>th</sup>, 2010**

**Use of antipsychotics in special populations**

***Introduced and moderated by Donatella Marazziti (Italy)***

**10.00-11.00 Use of antipsychotics in children and adolescents: assessing efficacy and safety**  
*Alessandro Zuddas (Italy)*

**11.00-12.00 Efficacy and safety of antipsychotics in the elderly: which evidence ?**  
*Giovanni Gambassi (Italy)*

**12.00-12.30 Discussion**

**12.30-13.30 Sponsored lecture**

**Psychotic disorders and comorbidity**

***Introduced and moderated by Joseph Zohar (Israel)***

**16.00-17.00 Dementia and schizophrenia**  
*Giovanni Muscettola (Italy)*

**17.00-18.00 Comorbid substance use disorders in psychoses**  
*Massimo Clerici (Italy)*

**18.00-18.30 Discussion**

**18.30-19.30 Special lecture**  
**Schizo-obsessive disorder: clinical characteristics and treatment**  
*Abraham Weizman (Israel)*

**19.30-19.45 Closing remarks**  
*Filippo Drago (Italy)*

**19.45-19.55 Questionnaire**