



GENES EPIGENOME AND ENVIRONMENT IN PATHOPHYSIOLOGY OF BRAIN ILLNESS

Lake Como Schools of Advanced Studies

Villa del Grumello, Como
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<http://gepb.lakecomoschool.org>

The study of pathophysiology of brain illness, including neuropsychiatric and neurodegenerative disorders, has reached a high level of complexity, requiring coordination of basic, translational and clinical research. It is increasingly clear that pathogenesis of most, if not all, brain disorders is related to the interaction of genetic background and environmental challenges. In this context, the study of epigenetic modifications, changes in the expression of genes induced by environmental stimuli, has acquired a growing importance in recent years.

All these aspects will be covered at the school by a number of speakers that are internationally recognized as leaders in their own field. The different days of the school will focus on the following topics: (1) The role of environmental stress and its interaction with genetic background; (2) epigenetics and its role in shaping normal and pathological phenotype; (3) new basic and clinical paths in research on dementia and Alzheimer; (4) new basic and clinical paths in research on Parkinson's disease; (5) new basic and clinical paths in research on neuropsychiatric disorders and their treatment.

Lecturers

Osborne Almeida (Max Planck Institute of Psychiatry – Munich)
Elena Battaglioli (University of Milano)
Paolo Brambilla (University of Milano)
John Cryan (University of Cork)
Monica Di Luca (University of Milano)
Fabrizio Gardoni (University of Milano)
Isabelle Mansuy (ETH – Zurich)
Micaela Morelli (University of Cagliari)
Alessandro Padovani (University of Brescia)
Maurizio Popoli (University of Milano)
Michael Rowan (Trinity College – Dublin)
Nicolas Singewald (University of Innsbruck)
Per Svenningsson (Karolinska institute – Stockholm)

School Organizers

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Young Speakers

Alessandro Ieraci (University of Milano)
Elena Marcello (University of Milano)
Jordan Marrocco (Rockefeller University – New York)
Laura Musazzi (University of Milano)
Pamela Prini (University of Insubria)