

HOW ADVANCES IN RESEARCH ARE CHANGING THE DIAGNOSTIC AND THERAPEUTIC LANDSCAPE IN EPILEPSY

November 17th, 2018 - IRCCS Mondino Foundation (Berlucchi & Rossi Hall), Pavia

- 9:00-9:30 Registration of participants
- 9:30-9:40 Welcome and introduction
Fabio Blandini and Emilio Perucca (Pavia)

Session 1. Breakthroughs in genetic research and clinical applications*

Chairs: Alexis Arzimanoglou (Lyon) and Enza Maria Valente (Pavia)

- 9:40-10:10 Chromosome X and epilepsy
Jozef Getz (Adelaide)
- 10:10-10:40 Epilepsy genetics: beyond Mendel and coding mutations
Mark Corbett (Adelaide)
- 10:40-11:10 Brain development in the epilepsies
Nadia Bahi-Buisson (Paris)
- 11:10-11:30 Coffee break
- 11:30-12:00 Epileptic encephalopathies as genetic disorders – transmitted or acquired?
Elliott Sherr (San Francisco)
- 12:00-12:30 Doctor, what is the cause of my epilepsy? When and how to apply genetic testing in the routine clinical setting
Federico Zara (Genoa)
- 12:30-13:00 Prenatally detected CNS defects and genetic syndromes
Igna Van den Veyver (Houston)
- 13:00-14:00 Lunch break

Session 2. Recent and future therapeutic breakthroughs**

Chairs: Carlo Andrea Galimberti (Pavia), Pierangelo Veggiotti (Milan)

- 14:00-14:30 From genetic testing to precision therapies for epilepsies
Renzo Guerrini (Florence)
- 14:30-15:00 Cannabis in epilepsy: what have we learnt from controlled trials, and what is next?
Emilio Perucca (Pavia)
- 15:00-15:30 Translating genetic epilepsy research into innovative non-pharmacological therapeutic approaches
Gaia Colasante (Milan)
- 15:30-16:00 How biomarkers are changing our approach to discovery and testing of antiepileptogenic drugs
Annamaria Vezzani (Milan)

Co-Chair: Anna Pichiecchio (Pavia)

- 16:00-16:30 The Aicardi syndrome collaboration network: clinical, neuro-radiological and therapeutic aspects
Silvia Masnada (Pavia), Mara Cavallin (Paris)

- 16:30-17:00 CME test and closing

* Session in English / ** Session in Italian

17:00-18:00 Closed meeting with Aicardi Association families

Aims of the Symposium

During the last 20 years there have been impressive advances in our understanding of the mechanisms underlying common and rare epileptic syndromes, particularly in the area of genetics. The objective of the present Conference is to highlight some key areas where findings from genetic research have led to a truly major improvement in knowledge about mechanisms involved in brain development and in the pathogenesis of several forms of epilepsy with onset in infancy and childhood. Special emphasis will be placed on practical aspects, including the need to refine diagnostic criteria, to improve the efficiency of genetic testing, and to address implications for clinical management. Unravelling the molecular mechanisms of epilepsies is already leading to the development and application of new and more effective precision therapies which target directly the etiology of the disease rather than merely its symptoms. The Conference will also address other recent advances in therapeutic research, from recently introduced plant-derived compounds to biomarker-driven disease-modifying interventions and to innovative non-pharmacological treatments.

Scientific Committee

Valentina De Giorgis, Silvia Masnada, Emilio Perucca, Pierangelo Veggiotti and Federico Zara

Coordination and registration

Silvia Molinari

Formazione & Informazione Office, IRCCS Fondazione Mondino, Pavia - Email: formazione.informazione@mondino.it

On line registration at: http://corsi.mondino.it/corsi_list.php

CME-CPD

The Conference has been accredited by Regione Lombardia for Continuing Medical Education with 6 (six) ECM credits for:

Medico Chirurgo (Biochimica clinica, Genetica Medica, Laboratorio di Genetica Medica, Medicina Generale-Medici di Famiglia, Neurofisiopatologia, Neurologia, Neuropsichiatria infantile, Neuroradiologia, Ortopedia e Traumatologia, Pediatria, Pediatria-Pediatri di libera scelta, Radiodiagnostica), **Fisioterapista, Biologo; Infermiere; Infermiere Pediatrico, Psicologo** (Psicologia, Psicoterapia), **Tecnico di Neurofisiopatologia, Tecnico Sanitario di Radiologia Medica, Terapista della Neuro e Psicomotricità dell'Età Evolutiva, Terapista Occupazionale.**

To obtain credits, participants must attend the whole conference and pass the evaluation test by answering correctly at least 80% of the questions.

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