

International Workshop on Antibody-Mediated Neurological Diseases

19 October 2024
Rome, Italy

Scientific Programme

An educational programme by



Med-Ex Learning
Education & Events

and endorsed by

Gemelli



Fondazione Policlinico Universitario Agostino Gemelli IRCCS
Università Cattolica del Sacro Cuore



UNIVERSITÀ
CATTOLICA
del Sacro Cuore

THE *Sumaira* FOUNDATION

ASSOCIAZIONE
ITALIANA
NEUROIMMUNOLOGIA

Overview

The International Workshop on Antibody-Mediated Neurological Diseases is set as a key event to update the medical-scientific community on the latest developments in the field of antibody-mediated neurological disorders. With a specific focus on conditions such as myasthenia gravis, autoimmune encephalitis, and neuromyelitis optica spectrum disorders, the workshop aims to provide a holistic understanding that ranges from pathogenesis to the latest innovations in diagnostic and therapeutic fields. Particular emphasis is given to diagnostic challenges, through the analysis of complex clinical cases and the illustration of how new technologies are revolutionizing the study of autoimmune neurological diseases. The workshop intends to stimulate constructive and interdisciplinary dialogue, promoting integration between clinical practice and advanced biotechnologies.

The event promises to be a unique opportunity for multidisciplinary learning and for creating professional networks, essential to effectively respond to the challenges posed by antibody-mediated neurological diseases.

Learning Objectives

- Provide a comprehensive update on the latest research and discoveries in antibody-mediated neurological diseases.
- Discuss in-depth advances in biomarkers, diagnostic techniques, and therapeutic strategies for these conditions.
- Analyze diagnostic challenges, including differential diagnoses, through the exploration of detailed clinical cases.
- Illustrate the use of new technologies in the study and management of autoimmune neurological diseases.
- Encourage collaboration and the exchange of ideas among professionals from various medical, scientific, and technological disciplines.

Target Audience

The workshop is designed for:

- Medical trainees and specialists in Neurology, Psychiatry, and Child Neuropsychiatry.
- Medical specialists in Ophthalmology, Infectious Diseases, Microbiology, Radiology, Pathological Anatomy, Anesthesia and Resuscitation, Hematology, and Oncology.
- PhD candidates and researchers in Neuroscience, Biologists, Biotechnologists, and Psychologists.
- Laboratory and neurophysiopathology technicians.
- Nurses specialized in neurosciences and neurological diseases.

Scientific Organizer

Raffaele Iorio

Department of Neuroscience
Università Cattolica del Sacro Cuore
Rome, Italy

Endorsements

This educational activity is endorsed by:

Gemelli



Fondazione Policlinico Universitario Agostino Gemelli IRCCS
Università Cattolica del Sacro Cuore



**UNIVERSITÀ
CATTOLICA**
del Sacro Cuore

THE *Sumaira* FOUNDATION

 ASSOCIAZIONE
ITALIANA
NEUROIMMUNOLOGIA

Scientific Secretariat

Med-Ex Learning

Rome, Italy

For any info please contact alessia.addressi@medexlearning.com



Med-Ex Learning
Education & Events

CME Accreditation

The International Workshop on Antibody-Mediated Neurological Diseases, Rome, Italy 19/10/2024 - 19/10/2024, **has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 6.0 European CME credits (ECMEC®s)**. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at <https://edhub.ama-assn.org/pages/applications>.

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

The programme has been also accredited by the Italian Ministry of Health by the CME provider SMM srl (Id. 5129) as follows:

Event number: 425011 - CME Credits: 6

Scientific Programme

08.30 - 08.40 Welcome Address
P. Calabresi, Italy - A. Evoli, Italy - R. Iorio, Italy

Chairmen: P. Calabresi, Italy - R. Iorio, Italy

08.40 - 09.00 Keynote Speech: The role of B cells in Neurological Autoimmunity
K. O'Connor, USA

Session 1: Myasthenia Gravis

Chairmen: C. Antozzi, Italy - M.P. Giannoccaro, Italy

09.00 - 09.20 Diagnostic and Therapeutic Challenges in Myasthenia Gravis
A. Evoli, Italy

09.20 - 09.40 The role of complement activation in myasthenia gravis: looking for biomarkers
S. Hoffmann, Germany

09.40 - 10.00 Immunopathogenesis of MuSK-MG
M.G. Huijbers, The Netherlands

10.00 - 10.20 Cellular immunotherapies for Myasthenia Gravis
A. Payne, USA

10.20 - 10.35 Q&A

10.35 - 10.55 *Coffee Break and Poster Exhibition*

Session 2: Neuromyelitis Optica Spectrum Disorders (NMOSD)

Chairmen: S. Mariotto, Italy - E. Sechi, Italy

10.55 - 11.15 Immunopathogenesis of MOGAD and AQP4 Autoimmune Disorders: Insights for Improving Treatment Outcomes
R. Marignier, France

11.15 - 11.35 Diagnostic and therapeutic challenges in MOGAD and AQP4 Autoimmunity
Á. Cobo Calvo, Spain

11.35 - 11.55 Traditional and advanced Neuroimaging in MOGAD and AQP4 Autoimmunity
R. Cortese, Italy

11.55 - 12.10 Q&A

12.10 - 13.10 *Lunch and Poster Exhibition*

Session 3: Autoimmune Encephalitis

Chairmen: M. Gastaldi, Italy - L. Zuliani, Italy

- 13.10 - 13.30 The Complex Interplay between Genetics and Environment in the pathogenesis of Autoimmune encephalitis
S. Muñiz Castrillo, Spain
- 13.30 - 13.50 Pathogenic mechanisms of Autoimmune Encephalitis
M. Spatola, Spain
- 13.50 - 14.10 Human recombinant monoclonal antibodies and CAAR-T cells in Autoimmune Encephalitis
H. Prüss, Germany
- 14.10 - 14.30 Unity is Strength: how Collaboration Networks can advance the field of Autoimmune Encephalitis
F. Leypoldt, Germany
- 14.30 - 14.55 Q&A
- 14.55 - 15.15 *Coffee Break and Poster Exhibition*

Session 4: Harnessing Novel Technologies to Unravel Neurological Autoimmunity

Chairmen: R. Iorio, Italy - A. Vogrig, Italy

- 15.15 - 15.35 Thymic organoids: opportunities and challenges to study central tolerance
S. Lim, The Netherlands
- 15.35 - 15.55 The impact of structural biology on understanding the pathogenic mechanisms of autoimmune neurological diseases
C. Novello, USA
- 15.55 - 16.15 Single-cell multiomics to investigate antibody-mediated neurological diseases
B. Schreiner, Switzerland
- 16.15 - 16.30 Q&A
- 16.30 **Closing Remarks**
- 16.40 End of the workshop

With the unconditional contribution of:

Gold Sponsors



Silver Sponsors





Med-Ex Learning
Education & Events

Copyright © Med-Ex Learning, 2024. All rights reserved.