

# Master Class on LHON

Leber's Hereditary Optic Neuropathy

## President:

Prof. Francesco Bandello (Milano)

## Course Directors:

Dr. Piero Barboni (Milano)  
Prof. Valerio Carelli (Bologna)  
Prof. Thomas Klopstock (Munich)

## Faculty

Michele Carbonelli (Bologna)  
Maria Lucia Cascavilla (Milano)  
Chiara La Morgia (Bologna)  
Martina Romagnoli (Bologna)



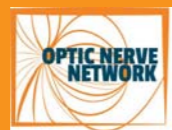
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OSPEDALE SAN RAFFAELE



GRUPPO OSPEDALIERO  
SAN DONATO



# Master Class on LHON

Leber's Hereditary Optic Neuropathy

24th - 25th September 2018

## Course Venue:

Centro Congressi San Raffaele - DIBIT 1 - Aula Vetri (piano -1)  
Via Olgettina, 58 - 20132 Milano

## Continuing Medical Education



"The Master Class on LHON - Leber's Hereditary Optic Neuropathy, Milan, Italy, 24/09/2018-25/09/2018 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 10 European CME credits (ECMEC@s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity."



The Course was granted 15,6 Italian CME credits

## Course registration

In order to register to the Course, please send a request by email to the Organizing Secretariat:  
[elena.falciola@fclassevents.com](mailto:elena.falciola@fclassevents.com)  
Registrations will be considered valid, upon receipt of written confirmation from the Organizing Secretariat.

PROVIDER ECM 362 ORGANIZING SECRETARIAT:



Viale Carducci, 11 - 20123 Milano  
Tel. +39 0586.849804 - Fax 0586.349920  
Email: [elena.falciola@fclassevents.com](mailto:elena.falciola@fclassevents.com)

24th - 25th September 2018

II Edition

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## PROGRAMME

24th - 25th September 2018

II Edition

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**September 24, 2018**

**Milan – San Raffaele Hospital (HSR)**

**8.30 - 8.40 | Introduction and Course Presentation**

*F. Bandello*

**8.40 - 8.50 | Round Table:  
Attendees Presentation**

**8.50 - 10.30 | LHON and mitochondrial  
optic neuropathies:  
genetics and pathophysiology | V. Carelli**

- Mitochondrial genetics
- Leber's disease: genetics framing
- Cellular pathogenic mechanism
- Anatomical and metabolic consideration
- Physiopathology

**Analysis of patient and family genetic  
tree triggering factors | C. La Morgia**

**Discussion - Q&A**

**10.30 - 10.50 | Coffee Break**

**10.50 - 12.00 | LHON and mitochondrial optic neuropathies:  
natural history | T. Klopstock**

- Introduction and background
- Epidemiology
- Disease demographics
- Clinical manifestations
- Visual prognosis and recovery
- Extra ocular features and associations

**Discussion - Q&A**

**12.00 - 13.00 | Ophthalmoscopy findings | P. Barboni**

- Asymptomatic stage
- Pre-symptomatic stage
- Symptomatic stage

**13.00 - 14.00 | Lunch**

**14.00 - 15.00 | OCT findings | P. Barboni**

- Retinal nerve fiber layer analysis
- Ganglion cell analysis
- Optic nerve head analysis

**Discussion - Q&A**

**15.10 - 16.20 | LHON and mitochondrial optic neuropathies:  
therapy options | T. Klopstock**

**Discussion - Q&A**

**16.20 - 16.40 | Coffee break**

**16.40 - 17.50 | LHON atypical features- presentation and discussion  
on Childhood onset | P. Barboni**

**Late onset Macular findings | M. Carbonelli**

**LHON plus differential diagnosis in practice  
C. La Morgia, P. Barboni**

**Discussion - Q&A**

**17.50 - 18.00 | Wrap up day 1 | Faculty**

**September 25, 2018**

**Milan – San Raffaele Hospital (HSR)**

**9.00 - 10.30 | Presentation and discussion of clinical cases  
C. La Morgia, M.L. Cascavilla, M. Carbonelli**

**10.30 - 10.45 | Coffee Break**

**10.45 - 12.40 | DOA- LHON data base  
Disease Management Toolkit  
IONN Portal  
M. Romagnoli**

**12.40 - 13.00 | Wrap up day 2 | Faculty**