



## Satellite Symposium

### Mitochondrial Dysfunction and Optic Nerve Pathology: a Model for Selective Neurodegeneration.

Bologna, Monday 24<sup>th</sup> September, 2001

#### FINAL PROGRAMME

Chairmen: Salvatore Di Mauro, Valerio Carelli

- 14,30 - 14,45 Welcome to the participants:  
Agostino Baruzzi, Fiorenzo Albani, Valerio Carelli,  
University of Bologna
- 14,45 - 15,00 Introduction to the meeting: 1988 Leber's hereditary  
optic neuropathy - 2000 Autosomal dominant optic  
neuropathy: from mtDNA back to nucleus.  
Salvatore DiMauro, Columbia University, NY, USA.
- 15,00 - 15,30 Autosomal dominant optic neuropathy (ADON):  
mutations in OPA1 gene, a mitochondrial  
dynamamin-related GTPase, induce optic nerve  
degeneration.  
Bernd Wissinger, University of Tuebingen, Germany.
- 15.30 - 16.00 Nuclear gene OPA1/MSP1, encoding a mitochondrial  
dynamamin related protein involved in the maintenance of  
mitochondrial DNA and morphology, is mutated in  
dominant optic atrophy  
Guy Lenaers, Université Paul Sabatier, France
- 16.00 - 16.30 **Coffee break**
- 16.30 - 16.45 Leber's hereditary optic neuropathy (LHON): clinical,  
genetic and biochemical overview.  
Valerio Carelli, University of Bologna, Italy
- 16.45 - 17.00 Tissue bioenergetics in LHON studied in vivo using  
phosphorus MR spectroscopy.  
Raffaele Lodi, University of Bologna, Italy.
- 17.00 - 17.15 Respiratory function and antioxidant capacities in  
LHON cybrid cell lines.  
Andrea Martinuzzi, IRCCS E.Medea, Conegliano  
Research Centre, Italy.
- 17.15 - 17.30 Neuronal cell models of LHON.  
Gino Cortopassi, University of California Davis, CA,  
USA.
- 17.30 - 17.45 Cell death studies in LHON cybrid cell lines.  
Michela Rugolo, University of Bologna, Italy.
- 17.45 - 18.00 Optic nerve histopathology in LHON: implications for  
the disease pathophysiology.  
Valerio Carelli, University of Bologna, Italy
- 18.00 - 18.30 Discussion.

Prof. Neil Howell (University of Texas Galveston, TX, USA) had to renounce to the trip to Europe. The topic of Prof. Howell's lecture, however, will be presented by Dr. Carelli.

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