



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO
DI SCIENZE BIOMEDICHE
E NEUROMOTORIE

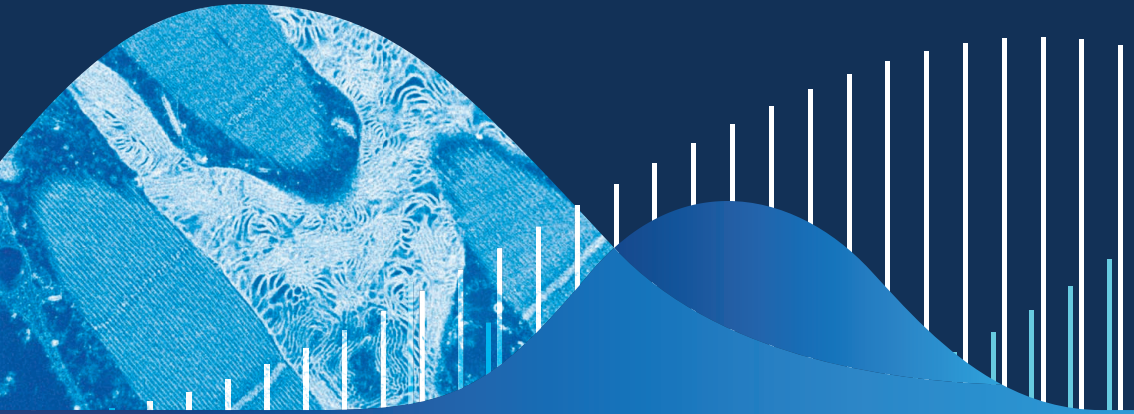


SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Unità Sanitaria Locale di Bologna

Istituto delle Scienze Neurologiche
Istituto di Ricovero e Cura a Carattere Scientifico

WORKSHOP

Cracking the elusive relationship
between the fusion protein OPA1,
mitochondrial membrane lipid
composition and maintenance of
membrane-anchored mtDNA nucleoids



Bologna, Italy

6th December 2024

Relais Bellaria Hotel & Congressi

Scientific and Organizing Committee

Valerio Carelli

Department of Biomedical and Neuromotor Sciences,
University of Bologna (Italy)
Laboratory of Neurogenetics,
IRCCS Institute of Neurological Sciences of Bologna (Italy)

Penelope Magnoni

Laboratory of Neurogenetics,
IRCCS Institute of Neurological Sciences of Bologna (Italy)

Alessandra Maresca

Laboratory of Neurogenetics,
IRCCS Institute of Neurological Sciences of Bologna (Italy)

Faculty

Valerio Carelli, University of Bologna (Italy)

Tommaso Cataldi, University of Bari (Italy)

Maria Falkenberg, University of Gothenburg (Sweden)

Guy Lenaers, University of Angers (France)

Ilario Losito, University of Bari (Italy)

Penelope Magnoni, IRCCS Institute of Neurological Sciences of Bologna (Italy)

Ramon Martí, Vall d'Hebron Research Institute, Barcelona (Spain)

Luigi Palmieri, University of Bari (Italy)

Vito Porcelli, University of Bari (Italy)

Luca Scorrano, University of Padova (Italy)

Timothy Wai, Institut Pasteur, Paris (France)

Claudia Zanna, University of Bologna (Italy)

Program

6th December 2024

- 8.45 Participants registration
- 9.00 Welcome addresses
- 9.10 Introduction
Valerio Carelli



FIRST SESSION

- 9.30 **MEF, yeast and fibroblasts: three models to unravel OPA1 functions**
Claudia Zanna
- 9.45 **OPA1 role in the mtDNA maintenance in cell models of Dominant Optic Atrophy (DOA)**
Penelope Magnoni
- 10.00 **Coffee break**
- 10.15 **Introduction to lipidomics**
Tommaso Cataldi
- 10.30 **Lipidomic profiles in OPA1 deficient cell models**
Ilario Losito, Vito Porcelli
- 11.00 **Omics results on OPA1 models and how OPA1 affects mtDNA replication**
Guy Lenaers
- 11.25 Discussion

12.30 Lunch



SECOND SESSION

- 14.00 **Suppressors of OPA1-related phenotype**
Timothy Wai
- 14.25 **dNTPs imbalances in the context of mitochondrial DNA maintenance diseases**
Ramon Martí
- 14.50 **Mitochondrial DNA replication and how it might be affected by mitochondrial dynamics**
Maria Falkenberg
- 15.15 **Leveraging multiple models to identify an efficacious therapy that curtails visual loss in ADOA**
Luca Scorrano
- 15.40 Discussion
- 16.30 Closing remarks
Luigi Palmieri
- 16.40 Conclusion of the Workshop

INFORMATION

Meeting Venue

Relais Bellaria Hotel & Congressi
Via Altura, 11bis - Bologna (Italy)

Registration

Registration is free of charge.

In order to register, please fill in the on line registration form at www.mccstudio.org (Congress section) or scan the QRCode by **29th November, 2024**



Organizing Secretariat



MCC srl

Viale A. Oriani, 2 - Bologna (Italy)

Tel. +39 051 263703

segreteria@mccstudio.org

www.mccstudio.org



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