Rational

Mitochondrial Medicine. The GENOMIT *initiative*

Mitochondrial disorders are now considered the most common forms of inherited human disease. In the recent years, amazing progress has been obtained in terms of pathophysiology, natural history and new treatments options for these diseases.

This conference, based on the experience of the GENOMIT consortium, funded by the European Joint Programme on rare diseases, aims to bring different international groups together, exploring the most recent advances in term of natural histories, artificial intelligence, clinical trial readiness and emerging treatment options in preclinical and clinical models of mitochondrial diseases.

with the unconditional support of

Aliveda

Blueprint Genetics

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Reneo Pharmaceuticals

Stealth BIOTHERAPEUTICS

REGISTRATIONS	**until 01/09/2023**	**from 02/09/2023**
Students - Residents - Post Doc	FREE	FREE
E-mit members	FREE €	50,00 €
NON E-mit members	100,00 €	150,00 €
PHARMA and STAKEHOLDERS	150,00 €	250,00 €

Registration link: genomit.myquadra.it

Registrations fees include: Access to the conference, Coffee breaks, congress KIT and certificate of attendance. Dinner not included, VAT included
The event is for maximum 70 participants and once this number of participants will be reached, registrations will be closed.

Course Venues
Aula Magna, Scuola Superiore Sant'Anna
Piazza Martiri della Libertà 33
56127 – Pisa – Italy

Patronages

European Reference Network
for rare or low prevalence complex diseases
Network Neuromuscular Diseases (ERN EURO-NMD)
Coordinator Assistance Publique – Hôpitaux de Paris, Hôpital Pitié-Salpêtrière — France

Comune di Pisa

Organising secretariat

FIRST CLASS EVENTS & CONFERENCES

First Class - Meetings and Conferences
Via Vittoria Colonna, 40 - 20149 Milano Italy
Tel. +39 02 30066329 - Fax 0586.349920

Viale Italia, 173 - 57128 Livorno
Tel. +39 0586 849804 - Fax: +39 0586 349920
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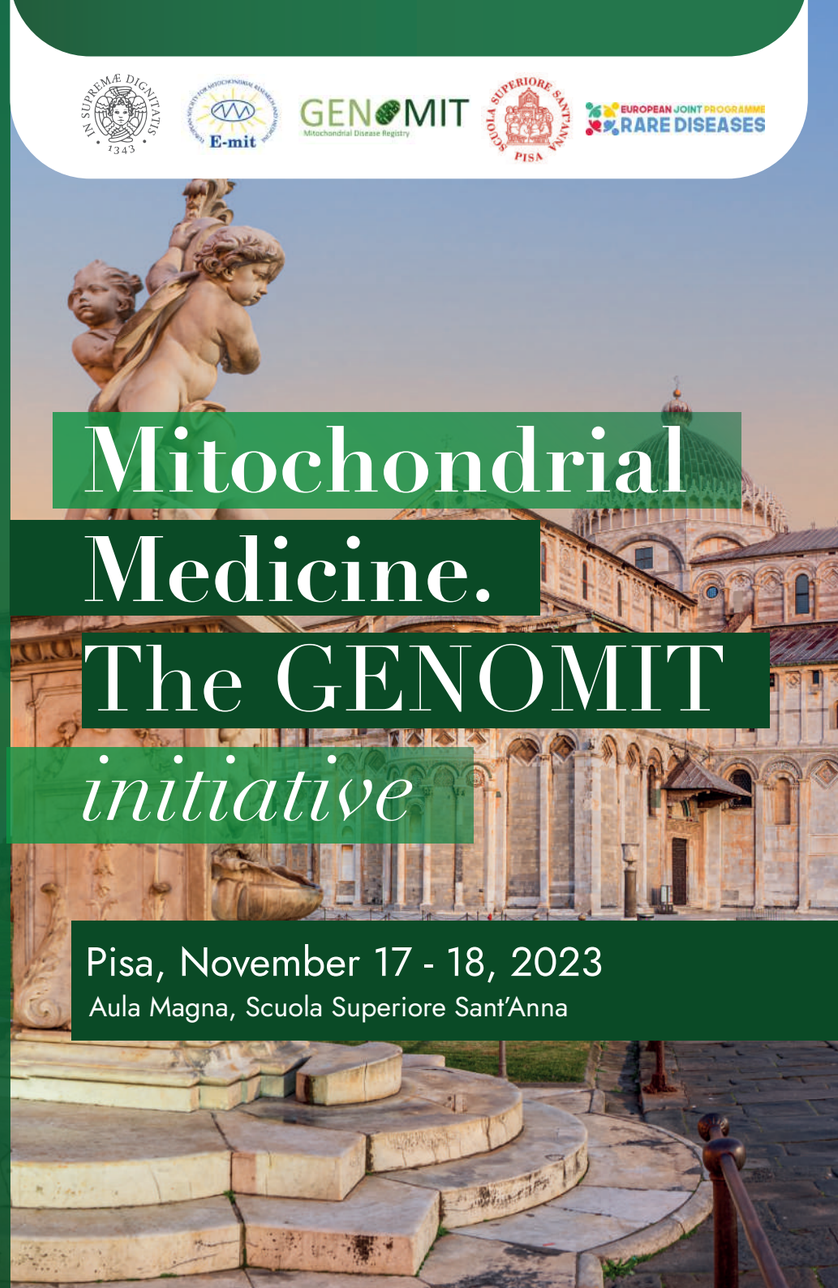

Mitochondrial Medicine. The GENOMIT *initiative*

Pisa, November 17 - 18, 2023
Aula Magna, Scuola Superiore Sant'Anna

Mitochondrial Medicine. The GENOMIT *initiative*

Pisa, November 17 - 18, 2023

Scientific Committee:

Prof. Michelangelo Mancuso
Prof. Gabriele Siciliano
Prof. Silvestro Micera
Dr.ssa Giulia Ricci
Dr. Vincenzo Montano
Dr. Piervito Lopriore
Dr.ssa Adriana Meli

Faculty:

Andrea Bandini
Valerio Carelli
Patrick Chinnery
Fang Fang
Amel Karaa
Thomas Klopstock
Costanza Lamperti
Serena Massucci
Robert Mcfarland
Kei Murayama
Yi Ng
Holger Prokisch
Carlo Viscomi

November 17th

13.30 Registration

14.00 Greetings and welcome

14.30 - 17.30 Session 1. The GENOMIT Journey.
Chairs: *Holger Prokisch (Munich), Costanza Lamperti (Milan)*

14.30 The global registry on mitochondrial diseases. Where we stand.
Thomas Klopstock (Munich)

15.00 Advances in Multi-Omics Diagnostics.
Holger Prokisch (Munich)

15.30 Advances in natural history studies. Focus on MELAS
Costanza Lamperti (Milan)

16.00 Advances in natural history studies. Focus on MERRF
Yi Ng (Newcastle)

16.30 Advances in natural history studies. Focus on LHON and its treatment
Valerio Carelli (Bologna)

17.00 Advances in natural history studies. Focus on Leigh Syndrome
Robert McFarland (Newcastle)

17.30 Q&A

18.00 Closing day 1

November 18th

08.30 - 10.15 Challenging the future of mitochondrial medicine
Chairs: *Patrick Chinnery (Cambridge), Michelangelo Mancuso (Pisa)*

08.30 The role of mtDNA variation in common diseases.
Patrick Chinnery (Cambridge)

09.00 The role of AI in mitochondrial medicine.
Andrea Bandini (Pisa)

09.30 The global approach to mitochondrial medicine through GENOMIT
Fang Fang (China)

10.00 Q&A

10.15 - 10.30 Break

10.30 - 12.00 The new era of clinical trial readiness
Chairs: *AmelKaraa (Boston), Kei Murayama (Tokio)*

10.30 Exploring new treatments for MELAS. The experience of the Japanese Network
Kei Murayama (Tokio)

11.00 Selection, outcome measures and endpoints in PMDs clinical trials
Amel Karaa (Boston)

11.30 Devolping Gene therapy for mitochondrial diseases
Carlo Viscomi (Padova)

12.00 - 13.00 The voice of the industries:

13.00 The patients 'perspective.
Serena Massucci (MITOCON, Italy)

13.30 Q&A

14.00 Closing the meeting