



## Mitochondrial Disease Conference

January 23<sup>rd</sup> -24<sup>th</sup> 2026

PISA

### Satellite Symposia

#### Friday 23<sup>rd</sup> – Concorde Room

9:00 am– 12:00 pm

#### **Artificial Intelligence in Mitochondrial Medicine: emerging tools for diagnosis and monitoring**

Chair: Michelangelo Mancuso

#### Friday 23<sup>rd</sup> – Mustang Room

10:30 am – 12:00 pm

#### **Advances in Mitochondrial Optic Neuropathies**

Chair: Valerio Carelli

## Mito Conference 2026 - Scientific Program

### Friday 23<sup>rd</sup> – Concorde Room

12:00 – 1:15 pm

#### Arrivals, Registration & Light lunch

#### 1:15 **Welcome to the Mitochondrial Disease Conference 2026**

- **Marco Marmotta**, President, Mitocon – Insieme per lo Studio e la Cura delle Malattie Mitocondriali ODV
- **University of Pisa and AOUP Delegates**
- **Paula Morandi**, Chair - International Mito Patients
- **Olimpia Musumeci**, Scientific Committee Delegate

The Voice of patients

- **What Does Mitochondrial Disease Mean to Me** – Stories from Mito Patients and Families

2:00 pm

#### **Introduction:**

Chair: **Massimo Zeviani**, Institute for Maternal and Child Health IRCCS Burlo Garofolo, Trieste

**Keynote Lecture Mechanisms for mtDNA maintenance and relevance for human pathology** - **Nils-Göran Larsson**, Karolinska Institute Stockholm

2:45 – 4:15 pm

#### **Session 1 - Basic Science**

Chair: **Valeria Tiranti**, Fondazione IRCCS Istituto Neurologico Carlo Besta Milano

Chair: **Piero Santantonio**, Mitocon

#### **Speakers**

2:45 **New therapeutic approaches for mitochondrial myopathies** - **Carlo Viscomi**, University of Padova

Q&A

3:15 **The SURF1 KO pig: A translational model to implement new therapeutic treatments for Leigh Syndrome** - **Dario Brunetti**, Fondazione IRCCS Istituto Neurologico Carlo Besta Milano

Q&A

3:45 **Restoring mitochondrial DNA metabolism and function** - **Antonella Spinazzola**, University College London

Q&A

4:15 pm **Scientific Coffee with Poster**

*The Poster Session is open to abstract submissions. The call for abstracts is open until October 1st, 2025*

**5:00 – 6:30 pm**

**Session 2 - Clinical Updates**

Chair: **Enrico Bertini**, Bambino Gesù Children's Research Hospital IRCCS

Chair: **Paola Desideri**, Mitocon

**Speakers**

5:00 **Mitochondrial Leukoencephalopathies: data from a multicentric observational study** - **Anna Ardisson**, Fondazione IRCCS Istituto Neurologico Carlo Besta Milano

Q&A

5:30 **Sildenafil in Leigh syndrome: translational path from stem cells-based drug discovery to clinical trials**, **Alessandro Prigione**, University of Dusseldorf

Q&A

6:00 **MELAS Management**, **Costanza Lamperti** - Fondazione IRCCS Istituto Neurologico Carlo Besta Milano

Q&A

**6:30 pm Closing day 1**

**8:30 pm Networking Dinner**

**Day 2 Saturday January 24<sup>th</sup> – Concorde Room**

**8:15 am Arrivals and Registrations**

**8:30 -10:00 Session 3 -Advances in Therapies**

Chair: **Massimiliano Filosto**, University of Brescia

Chair: **Paula Morandi**, Mitocon

**Speakers**

8:30 **Advances in MNGIE** - **Ramon Marti**, Vall d'Hebron Research Institute and CIBERER, Universitat Autònoma de Barcelona, Barcelona.

Q&A

9:00 **Advances in Thymidine Kinase 2 Deficiency** - **Cristina Dominguez**, CIBERER, Instituto de Investigación imas12, Hospital Universitario 12 de Octubre Madrid

Q&A

9:30 **Mitochondrial Donation in Clinical Practice: Insights from the UK Reproductive Care Pathway** – **Robert McFarland**, Newcastle University

Q&A

10:00 -11:00 am **Young Investigator Session**

***This session is open to abstract submissions. The call for abstracts is open until October 1st, 2025***

Chair: **Carlo Viscomi**, University of Padova

Chair: **Francesca Latella**, Mitocon

10:00 Flash talk

10:15 Flash talk

10:30 Flash talk

10:45 Flash talk

11:00 am Coffee Break

11:15 -12:00 am

**Introduction:** **Valeria Tiranti**, Fondazione IRCCS Istituto Neurologico Carlo Besta Milano

**Keynote lecture:** **Gene therapies in PMDs** - **Carlos T. Moraes**, University of Miami Miller School of Medicine

12:00 – 1:30 pm

**Session 4: Collaboration models to accelerate therapies**

Chairs: **Michelangelo Mancuso**, **Valerio Carelli**

Chair: **Piero Santantonio**, Mitocon

**Participants:** Representatives from academia, industry, regulatory bodies, patient organization/representatives

1:15 Discussion

**1:30 – 2:30 pm Lunch break**

**2:30-4:00 pm**

**Session 5: Clinical Registries as a tool for Improving Patient Care and Research**

Chair: **Costanza Lamperti**, Thomas Klopstock

Chair: **Piero Santantonio**, Mitocon

**Speakers**

2:30 **The Power of collaboration: how the GENOMIT Registry enables Natural History Studies and advanced Genetics of Mitochondrial Diseases-** Holger Prokisch, Helmholtz Zentrum Munich

Q&A

3:00 **Insights from the Spanish Clinical Registry and Biobank -** Marcello Bellusci, University Hospital "12 de Octubre" Madrid

Q&A

3:30 **The Italian Clinical Registry for Mitochondrial Diseases: Insights from a National Experience -** Michelangelo Mancuso, University of Pisa

Q&A

4:00 - 4:45 pm **Late Breaking News**

***This session will include selected presentations from late breaking abstract submissions. The call for abstracts will open in October 2025.***

Chair: **Serenella Servidei**, Catholic University of the Sacred Heart Roma

Chair: **Paola Desideri**, Mitocon

4:00 Talk 1

4:20 Talk 2

4:40 Talk 3

**5:00 pm Coffee break**

5:15-5:45 pm

**Closing Lecture**

**Management of Optic Mitochondrial Myopathies: an overview**

**Valerio Carelli**, University of Bologna

**Introduction** Thomas Klopstock, Ludwig-Maximilians-University of Munich

5:45 pm **Mito Awards**

Chair: **Carlo Viscomi**, University of Padova

Chair: **Marco Marmotta**, Mitocon

6:00 pm **Closing Remarks** - **Michelangelo Mancuso**, University of Pisa

6:10 pm **Closing Mito Conference 2026**

**Under the patronage of:**

