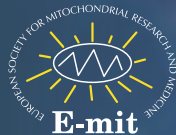


WINTER SCHOOL



Mitocon

Insieme per lo studio e la cura
delle malattie mitocondriali ODV



associazione
LUIGI COMINI
ente filantropico



VIMM

Veneto
Institute of
Molecular
Medicine

MITOCHONDRIAL BIOMEDICINE

January
18 to 22, 2026

Hotel Grüner Baum
Bressanone – Brixen (BZ)

Second European Winter School in Mitochondrial Biomedicine: a unique training opportunity for PhD students, medical residents, and postdoctoral researchers with a keen interest in mitochondrial biology and medicine.

The project aims to encourage the training of doctoral students, residents and post-doctoral researchers interested in the topics of mitochondrial biology and medicine by bringing together international experts in the biology, genetics, pathophysiology of mitochondria and in the clinic of mitochondrial diseases. The participation of the Mitocon, the Italian association of mitochondrial patients will add the patients' perspective to the school.

The school will be held in person **from January 18 to 22, 2026 at the Grüner Baum Hotel in Bressanone, Italy** and will be open to 40 attendees from across Europe. Mitochondria are organelles often referred to as the energy plants of the cell as they are mainly responsible for converting energy derived from food into ATP, the high-energy molecule used by the biochemical systems of cells.

The series of reactions that lead to the synthesis of ATP forms the mitochondrial respiratory chain consisting of respiratory complexes I-IV and ATP synthase. A unique feature of mitochondria is that they have their own genetic material (mitochondrial DNA) that contains some essential genes of the respiratory complexes, although most of the genes that code for proteins found in mitochondria are found in nuclear DNA. The malfunction in the processes that lead to the synthesis of ATP due to mutations in the mitochondrial or nuclear DNA can give rise to mitochondrial diseases, rare genetic pathologies, characterized by extreme heterogeneity and clinical, biochemical and genetic complexity. The role of mitochondria, however, is not limited to the synthesis of ATP, but includes a large number of essential metabolic pathways (e.g. the Krebs cycle, beta oxidation etc.), the regulation of cellular calcium levels, the synthesis of nucleotides etc...

The European Winter School in Mitochondrial Biomedicine responds to a need felt at an international level to improve the interaction between basic researchers and clinicians engaged in the study of mitochondrial biology and mitochondrial diseases.

The cross-contamination that the course aims to promote will train the next generation of researchers attentive to the problems of mitochondrial diseases and will increase clinicians' awareness of the potential and problems of basic research.

The school will include the holding of seminar lessons and small thematic workshops ensuring close interaction between attendees and faculties. All the topics will be treated both from a clinical point of view and from that of basic biological mechanisms with the contribution of national and international experts.

MITOCHONDRIAL BIOMEDICINE



Carlo Viscomi
Luca Scorrano
Maria Andrea Desbats
Payam Gammage
Maria Eugenia Soriano

University of Padova (IT)
University of Padova (IT)
University of Padova, Italy
University of Glasgow (UK)
University of Padova (IT)

Valerio Carelli
Sara Cogliati
Francesco Cecconi
Maria Andrea Desbats
Erika Fernandez - Vizarra
Caterina Garone
Laura Greaves
Alessia Indrieri
Maria Mittelbrunn
Julien Prudent
Rosario Rizzuto
Luca Scorrano
Maria Eugenia Soriano
Antonella Spinazzola
Sukru Anil Dogan
Valeria Tiranti
Eva Trevisson
Sandra Trifunovic
Carlo Viscomi
Timothy Wai

University of Bologna (IT)
Autonomous University of Madrid (ES)
Catholic University of Rome (IT)
University of Padova (IT)
University of Zaragoza (ES)
University of Bologna (IT)
University of Newcastle (UK)
TIGEM (IT)
CBM-CSIC Madrid (ES)
University of Cambridge (UK)
University of Padova (IT)
University of Padova (IT)
University of Padova (IT)
UCL London (UK)
Bezmialem Vakıf University, Istanbul (TK)
Neurological Institute Besta (IT)
University of Padova (IT)
University of Cologne (DE)
University of Padova (IT)
Pasteur Institute, Paris (FR)

MITOCHONDRIAL BIOMEDICINE



Sunday 18 January 2026

12:00 - 14:00 Arrival and check-in

14:10 - 14:15 **WELCOME ADDRESS**

14:15 - 15:00 **KEYNOTE LECTURE**

Aleksandra Trifunovic, *U. of Cologne (DE)*

SESSION 1

FROM BIOLOGY TO CLINICS AND THERAPY OF MITOCHONDRIAL DISEASES

15:00 - 15:30 Antonella Spinazzola, *UCL London (UK)*

15:30 - 16:00 Valerio Carelli, *U. of Bologna (IT)*

16:00 - 16:30 Eva Trevisson, *U. of Padova (IT)*

16:30 - 17:00 Payam Gammage, *U. of Glasgow (UK)*

17:00 - 17:30 Caterina Garone, *U. of Bologna (IT)*

17:30 - 18:00 Coffee break

Students-led Round Table 1

18:00 - 19:40 Presentations by students

19:40 - 20:00 General discussion

20:00 **Dinner**

Monday 19 January 2026

SESSION 2

MITOCHONDRIAL FUNCTION AND DISEASE

09:00 - 09:30 Maria Eugenia Soriano, *U. of Padova (IT)*

09:30 - 10:00 Erika Fernandez-Vizarra, *U. of Zaragoza (ES)*

10:00 - 10:30 Sara Cogliati, *UAM, Madrid (ES)*

10:30 - 11:00 Carlo Viscomi, *U. of Padova (IT)*

11:00 - 11:30 Valeria Tiranti, *Istituto Besta Milan (IT)*

11:30 - 17:00 Free time

17:00 - 17:30 Coffee break

Students-led Round Table 2

17:30 - 19:10 Presentations by students

19:10 - 19:30 General discussion

19:30 **Dinner**

MITOCHONDRIAL BIOMEDICINE



Tuesday 20 January 2026

SESSION 3 NEW ASPECTS OF MITOCHONDRIAL BIOLOGY IN DISEASES AND THERAPIES

- 09:00 - 09:30** Maria Andrea Desbats, *U. of Padova (IT)*
09:30 - 10:00 Julien Prudent, *U. of Cambridge (UK)*
10:00 - 10:30 Laura Greaves, *U. of Newcastle (UK)*
10:30 - 11:00 Alessia Indrieri, *TIGEM, Naples (IT)*
11:00 - 11:30 Francesco Cecconi, *Catholic U. of Rome (IT)*
11:30 - 12:00 Andrew Dillin, *UC Berkeley (USA)*

12:00 - 17:00 Free time

17:00 - 17:30 Coffee break

Students-led Round Table 3

- 17:30 - 19:10** Presentations by students
19:10 - 19:30 General discussion

19:30 Dinner

Wednesday 21 January 2026

SESSION 4 MITOCHONDRIAL STRESS AND DISEASE

- 09:00 - 09:30** Luca Scorrano, *U. of Padova (IT)*
09:30 - 10:00 Timothy Wai, *Inst. Pasteur, Paris (FR)*
10:00 - 10:30 Anil Dogan, *Bezmialem University, Istanbul (TR)*
10:30 - 11:00 Maria Mittelbrunn, *CBM-CSIC, Madrid (ES)*

11:00 - 11:45 **CLOSING LECTURE**
 Rosario Rizzuto, *U. of Padova (IT)*

11:45 - 17:00 Free time

17:00 - 17:30 Coffee break

Students-led Round Table 4

- 17:30 - 19:10** Presentations by students
19:10 - 19:30 General discussion

19:30 Farewell Dinner

Wednesday 21 January 2026

09:00 Departure

MITOCHONDRIAL BIOMEDICINE



Venue:

Grüner Baum Hotel
Via Stufles, 11,
39042 Brixen – Bressanone (BZ) – Italy

E-mit members

200,00 € + 22% VAT

Non E-mit members

250,00€ + 22% VAT

**Registration deadline:
December, 19th, 2025**

Hotel accommodation:

By HOTEL GASSER (depandance of the hotel Güner Baum Hotel)

Check-in: 01/18/2026 – **Check-out:** 01/22/2026: 4 nights

Hotel price for half board per person and day incl. 10% VAT:

- Shared double bedroom: € 106 for 4 nights Total € 424,00 + City tax
- Single bedroom: € 121 for 4 nights Total € 484,00 + City Tax

Cancellations Received after December 20, 2025 will not be refunded

Click to register



15TH MITOCHONDRIAL
DISEASE CONFERENCE

PISA 2026
ITALY

**Mitochondrial Disease Conference
pre-meeting international symposium**

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

Hotel Galilei, Pisa, Italy
January 23rd, 2026, 9 AM

Click for info

Organizing Secretariat

FIRSTCLASS

We Make Things Happen

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