

Hybrid Conference Programme

Start (GMT)	Finish (GMT)	Presenter details
Monday 18 March 2024		
12:00	12:55	Registration, lunch and networking
12:40		<i>Briefing for Keynote & Session 1 speakers, microphone runners, chair, moderator & committee - Auditorium</i>
12:55	13:10	Welcome
		<p>Wellcome Connecting Science:</p> <p><i>Nagehan Ramazanoglu Bahadir, Wellcome Connecting Science, UK</i></p> <p>Scientific Programme Committee:</p> <p>Rita Horvath, University of Cambridge, UK</p> <p>Amel Karaa, Massachusetts General Hospital/Harvard University, USA</p> <p>Nils-Göran Larsson, Karolinska Institute, Sweden</p> <p>Michelangelo Mancuso, University of Pisa, Italy</p>
13:10	14:10	Keynote 1
		<p><i>Chair: Rita Horvath, University of Cambridge, UK</i></p> <p><i>Moderator: TBC</i></p> <p>Mitochondrial medicine: lessons learned from population genomics</p> <p>Patrick Chinnery, University of Cambridge, UK</p>
14:10	14:15	Comfort break
14:15	15:45	Session 1: Basic science to treatment: MtDNA replication defects
		<p><i>Chair: Nils-Göran Larsson, Karolinska Institute, Sweden</i></p> <p><i>Moderator: TBC</i></p>
14:15	14:45	<p>Nucleotide metabolism as a therapeutic target for mtDNA maintenance disorders</p> <p>Ramon Marti, Vall d'Hebron Institut de Recerca, Spain</p>
14:45	15:15	<p>Molecular consequences of POLG mutations and new avenues of treatment</p> <p>Maria Falkenberg, University of Gothenburg, Sweden</p>
15:15	15:30	<p>Selected from abstracts</p> <p><i>Short talk speaker</i></p>
15:30	15:45	<p>Selected from abstracts</p> <p><i>Short talk speaker</i></p>
15:45	16:30	Refreshment break and networking

16:15		<i>Briefing for Session 2 speakers, chair & moderator - Auditorium</i>
16:30	18:00	Session 2: Basic science to treatment II: MtDNA transcription and translation
		<i>Chair: Rita Horvath, University of Cambridge, UK</i>
		<i>Moderator: TBC</i>
16:30	17:00	Modulating metabolism to treat mitochondrial dysfunction <i>Aleksandra Filipovska, University of Western Australia, Australia</i>
17:00	17:30	Nutrition in a basket: Amino-acids to treat ARS1 deficiencies <i>Clara van Karnebeek, Amsterdam UMC, Netherlands</i>
17:30	17:45	Selected from abstracts <i>Short talk speaker</i>
17:45	18:00	Selected from abstracts <i>Short talk speaker</i>
18:00	18:40	Poster pitch talks for odd number posters & Lightning talks from Patient advocacy groups
18:40	19:40	Poster session 1 - odd number posters with drinks reception
19:40		Dinner
		Bar open (card payments only)

Tuesday 19 March 2024

09:15 09:30 Briefing for Session 3 speakers, chair & moderator - Auditorium

09:30 11:00 Session 3: Basic science to treatment III: primary MtDNA defect

*Chair: Michelangelo Mancuso, University of Pisa, Italy
Moderator: TBC*

09:30 10:00 An in vivo genetic screen identifies cellular pathways to rescue the deleterious effects of mitochondrial DNA mutations

[Anna Wredenberg, Karolinska Institute, Sweden](#)

10:00 10:30 Fixing mtDNA disorders: The future of clinical trials

[Amel Karaa, Massachusetts General Hospital/Harvard University, USA](#)

10:30 10:45 Selected from abstracts
Short talk speaker

10:45 11:00 Selected from abstracts
Short talk speaker

11:00 11:45 Refreshment break and networking

11:30 Briefing for Session 4 speakers, chair & moderator - Auditorium

11:45 13:15 Session 4: Gene editing and therapies

*Chair: Kathrin Meyer, Nationwide Childrens Hospital, USA
Moderator: Rita Horvath, University of Cambridge, UK*

11:45 12:15 MacGyvering the mitochondrial genome

[Carlos Moraes, University of Miami Health System, USA](#)

12:15 12:45 Mitochondrial Transplantation: Rescue of Cellular Viability and Function: Modulation of Transcriptomic, Proteomic and Metabolic Pathways

[James McCully, Boston Children's Hospital/Harvard University, USA](#)

12:45 13:00 Selected from abstracts
Short talk speaker

13:00 13:15 Selected from abstracts
Short talk speaker

13:15 14:00 Lunch

14:00 14:30 Dessert and refreshments with Early Career Researchers networking

14:15 Briefing for Session 5 speakers, chair, moderator - Auditorium

14:30 15:30 Session 5: Panel discussion - how do we rally the international community for clinical trial consortia?

*Chair: Michelangelo Mancuso, University of Pisa, Italy
Moderator: Amel Karaa, Massachusetts General Hospital/Harvard University, USA*

*Titel tbc
Speaker tbc*

TRICALS PRECISION ALS programme
[Orla Hardiman, Trinity College Dublin/ENCALS, Ireland](#)

*Title tbc
Speaker tbc*

15:30 16:15 Refreshment break and networking

16:00 Briefing for Session 6 speakers, chair, moderator - Auditorium

16:15 17:00 Session 6: Panel discussion - Clinical trials

Chair: Amel Karaa, Massachusetts General Hospital/Harvard University, USA

Moderator: Michelangelo Mancuso, University of Pisa, Italy

Panel members tbc

17:00 17:15 Sponsor Presentation

Chair: Amel Karaa, Massachusetts General Hospital/Harvard University, USA

Tisento Therapeutics, USA

17:15 18:00 Poster pitch talks for even number posters

18:00 19:00 Poster session 2 - even number posters with drinks reception

19:00 Dinner

Bar open (card payments only)

Wednesday 20 March 2024

09:15 Briefing for Keynote, chair, moderator - Auditorium

09:30 10:30 Keynote 2

Chair: Rita Horvath, University of Cambridge, UK

Moderator: TBC

Title TBC

[Kathrin Meyer, Nationwide Children's Hospital, USA](#)

10:30 11:15 Refreshment break and networking

11:00 Briefing for Session 7 speakers, chair, moderator, committee - Auditorium

11:15 12:55 Session 7: Genomic technologies

Chair: Patrick Chinnery, University of Cambridge, UK

Moderator: TBC

11:15 11:45 From Fragmented to Full-Length: A New Era in Human Mitochondrial Genome Sequencing
[Marta Gut, The National Center for genomic Analysis \(CNAG\), Spain](#)

11:45 12:15 Title TBC
[Robert Taylor, University of Newcastle, UK](#)

12:15 12:40 The role of mitochondrial transcriptional processes in modulating human health and disease
[Alan Hodgkinson, King's College London, UK](#)

12:40 12:55 Selected from abstracts
Short talk speaker

12:55 13:05 Closing remarks and prize presentation

Scientific Programme Committee:

[Rita Horvath, University of Cambridge, UK](#)

[Amel Karaa, Massachusetts General Hospital/Harvard University, USA](#)

[Nils-Göran Larsson, Karolinska Institute, Sweden](#)

[Michelangelo Mancuso, University of Pisa, Italy](#)

13:05 Lunch and departures

13:50 Coach departures for Stansted and Heathrow airports

14:00 Coach departures for Cambridge train station and city centre