Draft Conference Programme

Wednesday 11 December 2019

12:00-13:00  Registration

13:00-13:20  Welcome and Conference Overview  
Patrick Chinnery  
University of Cambridge, UK

13:20-15:00  Session 1 Mitochondrial Medicine: Current Landscape of Therapeutic Opportunities  
Chair: Patrick Chinnery, University of Cambridge, UK

13:20  Regulatory Environment for Novel Therapeutic Development in Mitochondrial Disease  
Michio Hirano  
University of Columbia, USA

13:45  Developing new treatments in partnership: what does industry need from academics, and what do academics need from industry?  
Paul Thompson  
Mission Therapeutics, UK

14:10  Pharma presentations

14:40-15:00  Round Table Panel Discussion

15:00-16:00  Afternoon Tea - Meet representatives from the pharma industry

16:00-17:20  Session 2: Pre-clinical mitochondrial disease models I: Academic-Pharma Spin-out and Partnership Models  
Chair: Vamsi Mootha, Harvard Medical School, USA

16:00  Marni Falk  
The Children’s Hospital of Philadelphia, USA
16:25  Reproducing mitochondrial hereditary optic neuropathy in neurons: light on pathogenic mechanisms to fight back blindness  
Valeria Tiranti  
IRCCS Foundation Neurological Institute "C.Besta", Italy

16:50  Short talk selected from submitted abstract

17:05  Short talk selected from submitted abstract

17:20-18:00  **Lightning Talks**  
*Chair: tbc*

18:00-19:30  **Drinks Reception with Poster Session**

19:30 prompt  **Buffet Dinner**

20:00  **Cash Bar**

---

**Thursday 12 December 2019**

**09:00-10:20  Session 3: Pre-clinical mitochondrial disease models II**  
*Chair: Marni Falk, University of Pennsylvania, USA*

09:00  Pre-clinical mitochondrial disease vertebrate models advance therapeutic development from academia to pharma  
Sherine Chan  
Medical University of South Carolina, USA

09:25  Mouse models of mitochondrial diseases  
Jim Stewart  
MPI Biology of Ageing, Germany

09:50  Short talk selected from submitted abstract

10:05  Short talk selected from submitted abstract

10:20-11:20  **Morning Coffee - Meet the Academics**

**11:20-12:50  Session 4 Translatable biomarkers of disease progression**  
*Chair: Marni Falk, University of Pennsylvania, USA*

11:20  Mitochondrial biomarker GDF15: usefulness and development of diagnostic device from laboratory inspection to automated inspection  
Yasutoshi Koga  
Kurume University School of Medicine, Japan

11:45  Pathophysiology findings  
Anu Suomalainen  
University of Helsinki, Finland

12:05  Short talk selected from submitted abstract
12:20-12:40 Round Table Panel Discussion

12:40-14:00 Lunch

14:00-15:00 Session 5: Seeking impact: outcome measure selection for translational and clinical research -- international perspectives
Chair: Vamsi Mootha, Harvard Medical School, USA

14:00 The present state of the translational research for mitochondrial diseases in Japan: a sprout of many hopeful drugs
Akira Ohtake
Saitama Medical University, Japan

14:20 UK perspective - seeking impact: outcome measure selection for translational and clinical research
Shamima Rahman
University College of London, UK

14:40 USA perspective - Seeking impact: outcome measure selection for translational and clinical research
Amy Goldstein
Children’s Hospital of Philadelphia, USA

15:00-15:40 Round Table Panel Discussion

15:40-16:10 Afternoon Tea

16:10-17:10 Lightning Talks
Chair: tbc

17:10-18:30 Drinks Reception with Poster Session
Coach to King’s College Cambridge
Silver Service Conference Dinner
Return Coach

24:00-00:00 Cash Bar

Friday 13 December 2019

09:00-10:00 Keynote Speaker
Chair: Vamsi Mootha, Harvard Medical School, USA

Blue skies research: academic discoveries, commercial outputs and patient benefits
Stephen Jackson
The Gurdon Institute, University of Cambridge, UK

10:00-10:30 Morning Coffee
Session 6 Non-Drug Therapies  
Chair: Patrick Chinnery, University of Cambridge, UK

10:30  Michael Tietell  
University of California Jonsson Comprehensive Cancer Center, USA

11:00  Natalie Yivgi Ohaha  
Minovia Therapeutics, Israel

11:30  Chemical probes for the identification of new factors in mitochondria  
Shana Kelly  
Hebrew University, Israel

12:00  Short talk selected from submitted abstract

12:15  Short talk selected from submitted abstract

12:30-13:00  Round Table Panel Discussion

13:00 -14:30  Lunch

14:30-15:10  Session 7 Advocating for mitochondrial medicine therapeutic development: International perspective, support, and collaborative potential  
Chair: Patrick Chinnery, University of Cambridge, UK, Marni Falk, University of Pennsylvania, USA, Vamsi Mootha, Harvard Medical School, USA

14:30  Phil Yeske  
UMDF, USA

14:40  Sean Murray  
The Mitochondrial Foundation, Australia

14:50  Piero Santantonio  
MitoCon, Italy

15:00  Blaine Penny  
MitoCanada, Canada

15:10  Alison Maguire  
Lily Foundation, UK

15:10-15:40  Round Table Panel Discussion

15:40-15:50  Closing remarks  
Patrick Chinnery  
University of Cambridge, UK

16:05  Coaches depart to Cambridge City Centre and Train Station, Stansted Airport via Heathrow Airport