

**Hybrid Conference Programme**

Start (BST)	Finish (BST)	Presenter details
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**Wednesday 6 September 2023**

**12:00 13:00 Registration, lunch and networking**

12:45 13:00 Briefing for Keynote & Session 1 speakers, microphone runners, chair, moderator & committee - Auditorium

**13:00 13:10 Welcome**

**Scientific Programme Committee:**

[Craig Blackstone, Massachusetts General Hospital/Harvard, USA](#)

[Fiona Elwood, Janssen Pharmaceuticals, USA](#)

[Patrick Lewis, Royal Veterinary College, UK](#)

[Helene Plun-Favreau, University College London, UK](#)

**13:10 14:10 Keynote 1**

Chair: Patrick Lewis, Royal Veterinary College, UK

Moderator: Fiona Elwood, Janssen Pharmaceuticals, USA

Role of Mitochondria in Neurodegeneration

[Richard Youle, National Institute of Neurological Disorders and Strokes, NIH, USA](#)

14:10 14:20 Comfort break

**14:20 15:50 Session 1: Genetics and genomics of neurodegeneration**

Chair: Patrick Lewis, Royal Veterinary College, UK

Moderator: Fiona Elwood, Janssen Pharmaceuticals, USA

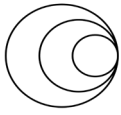
14:20 14:50 Hereditary Spastic Paraplegia studies in Mali: discovery of novel genes involved in trafficking pathways  
[Guida Landoure, Bamako, Mali](#)

14:50 15:20 Rare SORL1 variants: effect on Alzheimer's Disease risk and age-at-onset  
[Henne Holstege, Amsterdam UMC/Vrije Universiteit Amsterdam, Netherlands](#)

15:20 15:35 An automated imaging screen for gene modifiers of HSP-associated neurodegeneration  
[Niamh Osullivan, University College Dublin, Ireland](#)

15:35 15:50 Optimized design and in vivo application of optogenetically functionalized dopamine receptors  
[Fangmin Zhou, University of Bonn, Germany](#)

15:50 16:35 Refreshment break and networking



16:20 Briefing for Session 2 speakers, chair & moderator - Auditorium

**16:35 18:05 Session 2: Quality control pathways**

*Chair: Helene Plun-Favreau, University College London, UK*

*Moderator: Patrick Lewis, Royal Veterinary College, UK*

16:35 17:05 GBA-related Parkinson disease: genotypes, phenotypes and biomarkers  
[Enza Marie Valente, University of Pavia, Italy](#)

17:05 17:35 Mitochondrial Dynamics in Parkinson Disease Pathogenesis  
[Ming Guo, UCLA, USA](#)

17:35 17:50 The nutrient sensing O-GlcNAcTransferase enzyme, OGT, is a regulator of mitochondrial clearance  
*Katie Kelly, University College London, UK*

17:50 18:05 Mitochondrial bioenergetics and axonal transport are reduced in iPS-derived motor neurons from patients with Amyotrophic Lateral Sclerosis  
*Ruxandra Dafinca, University of Oxford, UK*

18:05 18:15 Comfort break

**18:15 18:45 Poster Pitch - Odd poster numbers**

*Chair: Helene Plun-Favreau, University College London, UK*

**18:45 19:45 Poster Session and Networking - Odd posters numbers**

19:45 Dinner

19:45 23:00 Bar open (card payments only)

**Thursday 7 September 2023**

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

**09:30 11:00 Session 3: Autophagy and proteostasis**

Chair: Fiona Elwood, Janssen Pharmaceuticals, USA  
Moderator: Helene Plun-Favreau, University College London, UK

09:30 10:00 Regulation of mitophagy and mitochondrial bioenergetics  
[Anne Simonsen, University of Oslo, Norway](#)

10:00 10:30 ER remodeling via ubiquitin and autophagy pathways  
[Ivan Dikic, Goethe University, Germany](#)

10:30 10:45 Mapping interactions of pathological TDP-43 propagation in human neurons  
Renren Heidi Chen, MRC Laboratory of Molecular Biology, UK

10:45 11:00 TFG regulates secretory and endosomal sorting pathways in neurons to promote their activity and maintenance  
Anjon Audhya, University of Wisconsin-Madison, USA

11:00 11:30 Refreshment break and networking

11:20 Briefing for Session 4 speakers, chair & moderator - Auditorium

**11:30 13:00 Session 4: Endolysosomal dysfunction**

Chair: Patrick Lewis, Royal Veterinary College, UK  
Moderator: Helene Plun-Favreau, University College London, UK

11:30 12:00 The complexity of the Niemann-Pick disease type C lysosomal pathway  
[Frances Platt, University of Oxford, UK](#)

12:00 12:30 Lysosomal quality control: molecular mechanisms and therapeutic potential  
[Jay Xiaojun Tan, University of Pittsburgh, USA](#)

12:30 12:45 LRRK2-mediated hyperphosphorylation of Rab GTPases increases the susceptibility of neurons to alpha-synuclein aggregation  
Michel Fricke, University Medical Center Goettingen, Germany

12:45 13:00 Healthy human iPSC-derived astrocytes rescue the degenerative phenotype of p.A53T- $\alpha$ Syn iPSC-derived neurons generated from Parkinson's disease patients  
Olympia Apokotou, Hellenic Pasteur Institute, Greece

**13:00 14:30 Lunch**

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

**14:30 16:00 Session 5: Translational and clinical Studies**

Chair: Fiona Elwood, Janssen Pharmaceuticals, USA  
Moderator: Helene Plun-Favreau, University College London, UK

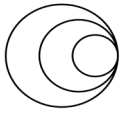
14:30 15:00 Therapeutic approaches in polyglutamine diseases  
[Alexandra Durr, Paris Brain Institute/ICM, France](#)

15:00 15:30 Large-scale proteomics to enable precision neuroscience  
Bart Smets, Johnson & Johnson, Belgium

15:30 15:45 A framework for target validation in neurodegenerative disease  
Salman Tamaddon-Jahromi, Wellcome Sanger Institute, UK

15:45 16:00 Synaptic processes analysis of brain tissue from patients with mesial temporal lobe epilepsy and hippocampal sclerosis  
Amanda Morato do Canto, University of Campinas, Brazil

16:00 16:45 Refreshment break and networking



**16:45 17:15 Poster Pitch - even poster numbers**

*Chair: Fiona Elwood, Janssen Pharmaceuticals, USA*

**17:15 18:15 Poster Session and Networking - even poster numbers**

18:15 Dinner

18:15 23:00 Bar open (card payments only)

**Friday 8 September 2023**

09:15 Briefing for Session 6 speakers, chair & moderator - Auditorium

**09:30 11:00 Session 6: Stress granules & additional mechanisms of intracellular pathogenesis**

*Chair: Helene Plun-Favreau, University College London, UK*

*Moderator: Fiona Elwood, Janssen Pharmaceuticals, USA*

09:30 10:00 ANXA11 biomolecular condensates facilitate protein-lipid phase coupling on lysosomal membranes  
[Peter St George-Hyslop, University of Cambridge, UK](#)

10:00 10:30 Interactions of Tau protein condensates  
[Suzanne Wegmann, DNZE Berlin, Germany](#)

10:30 10:45 Role of NPC1-PMCA2 complex in Parkinson's disease  
*Maria Fernandez-Suarez, University of Oxford, UK*

10:45 11:00 Characterization of cathepsin F variants found in adult neuronal ceroid lipofuscinosis - Kufs disease (CLN13)  
*Veronika Stoka, J. Stefan Institute, Slovenia*

11:00 11:45 Refreshment break and networking

11:30 Briefing for Keynote, chair, moderator & committee

**11:45 12:45 Keynote 2**

*Chair: Helene Plun-Favreau, University College London, UK*

*Moderator: Patrick Lewis, Royal Veterinary College, UK*

Tunneling nanotubes (TNTs): role in amyloid spreading in neurodegenerative diseases and intercellular connectivity in the developing brain

[Chiara Zurzolo, Pasteur Institut, France](#)

**12:45 13:00 Closing remarks and prize presentation**

**Scientific Programme Committee:**

[Craig Blackstone, Massachusetts General Hospital/Harvard, USA](#)

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[Patrick Lewis, Royal Veterinary College, UK](#)

[Helene Plun-Favreau, University College London, UK](#)

13:00 13:50 Lunch and departures

13:50 Coach departures for Stansted and Heathrow airports

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