

Start (BST)	Finish (BST)	Presenter details
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Monday 25 July 2022

11:00 12:00 Registration

11:00 12:00 Registration with buffet lunch

12:00 12:30 Welcome

Scientific Programme Committee:

[*Nancy Bonini, University of Pennsylvania, USA*](#)

[*Karen Duff, UK DRI at UCL, UK*](#)

[*Rita Sattler, Barrow Neurological Institute, USA*](#)

[*Patrik Vertreken, VIB-KU Leuven Center for Brain & Disease Research, Belgium*](#)

12:30 13:10 Student Introductions

12:30 12:40 Introduction to the session

Chair: Rita Sattler, Barrow Neurological Institute, USA

12:40 13:10 Each student has 1 minute to introduce themselves with 1 interesting fact!!

13:10 13:20 Break

13:20 16:00 Session 1: Huntington's Disease Mechanisms

Introduction to the session

Chair: Rita Sattler, Barrow Neurological Institute, USA

13:20 14:20 Targeting huntingtin as a therapeutic strategy for Huntington's disease

[*Gillian Bates, UK DRI at UCL, UK*](#)

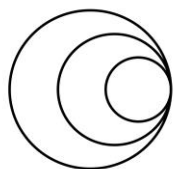
14:20 14:30 Break

14:30 15:15 Drugging DNA damage repair pathways for trinucleotide repeat expansion diseases

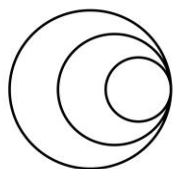
[*Caroline Benn, LoQus23 Therapeutics Ltd, UK*](#)

15:15 16:00 Interactive discussion with session speakers

16:00 16:30 Networking / Refreshment Break



16:30	19:25	Session 2: Parkinson's Disease Mechanisms
		Introduction to the session <i>Chair: Nancy Bonini, University of Pennsylvania, USA</i>
16:30	17:30	The many faces of Parkinson's disease <i>Patrik Vertreken, VIB-KU Leuven Center for Brain & Disease Research, Belgium</i>
17:30	17:40	Break
17:40	18:40	The Opportunities and Challenges of Developing Novel Therapeutics for Parkinson's Disease <i>Warren Hirst, Biogen, USA</i>
18:40	19:25	Interactive discussion with session speakers
19:25		Networking / Drinks Reception - Hinxton Hall Lounges
19:55		Dinner (bar open card payments only)



Tuesday 26 July 2022

09:00 11:55 **Session 3: Clinical and Pathological Aspects**

Introduction to the session

Chair: Karen Duff, University College London, UK

09:00 10:00 Spinocerebellar ataxias : genetic and clinical heterogeneity

[Alexandra Durr, Pitie-Sapletriere University Hospital, France](#)

10:00 10:10 Refreshment Break

10:10 11:10 Abeta pathology in AD and its potential to seed and propagate

[Diethmar Thal, KU Leuven, Belgium](#)

11:10 11:55 Interactive discussion with session speakers

11:55 12:55 Networking and Lunch

12:55 15:50 **Session 4: Genetic Analysis**

Introduction to the session

Chair: Patrik Verstreken, VIB - KU Leuven Centre for Brain & Disease Research, Belgium

12:55 13:55 Genetic approaches to increase our understanding and identify possible treatment options for neurodegenerative diseases

[Rosa Rademakers, VIB-UA Antwerp, Belgium](#)

13:55 14:05 Break

14:05 15:05 Single-cell approaches to identify shared and distinct signatures across neurodegenerative diseases

[Vilas Menon, Columbia University, USA](#)

15:05 15:50 Interactive discussion with session speakers

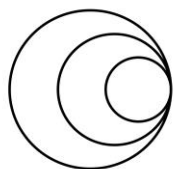
15:50 16:20 Networking / Refreshment Break

16:20 18:05 **Lightning Talks & Poster Session**

16:20 17:05 3 mins x 15 talks

17:05 18:05 Posters and Drinks Reception

18:05 Dinner (bar open card payments only)



Wednesday 27 July 2022

09:00 11:40 Session 5: Dementia 1 - Amyloids

Introduction to the session

Chair: Rita Sattler, Barrow Neurological Institute, USA

09:00 10:00 Alzheimer's disease: approaches to studying plaques, synapses and microglia

[*Frances Edwards, University College London, UK*](#)

10:00 10:10 Refreshment Break

10:10 10:55 Therapeutic approaches for Alzheimer's disease: current and future perspectives

[*Lorenza Magno, University College London, UK*](#)

10:55 11:40 Interactive discussion with session speakers

11:40 12:40 Networking and Lunch

12:40 14:10 Keynote Speaker

Introduction to the session

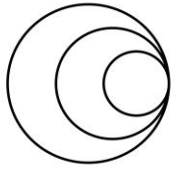
Chair: Karen Duff, University College London, UK

12:40 13:40 Genomic analysis of neurodegeneration

[*John Hardy, UK DRI at UCL, UK*](#)

13:40 14:10 Interactive discussion with session speakers

14:10 14:40 Networking / Refreshment Break



14:40 15:35 Session 6: Human Cellular Models

Introduction to the session

Chair: Nancy Bonini, University of Pennsylvania, USA

14:40 15:40 Modelling neurodegenerative disease with human stem cells

[Selina Wray, University College London, UK](#)

15:40 15:50 Break

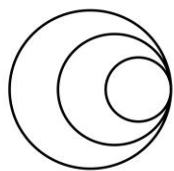
15:50 16:50 Model human brain development and disorders using brain organoids

[Hongjun Song, University of Pennsylvania, USA](#)

16:50 17:20 Interactive discussion with session speakers

17:20 17:50 Networking / Break

18:00 Dinner (bar open card payments only)



Thursday 28 July 2022

09:00 11:55 Session 7: Dementia 2 - Tau

Introduction to the session

Chair: Patrik Verstreken, VIB - KU Leuven Centre for Brain & Disease Research, Belgium

09:00 10:00 Tauopathy in AD and FTD

[Karen Duff, UK DRI at UCL, UK](#)

10:00 10:10 Refreshment Break

10:10 11:10 The structural basis of protein assembly into amyloid filaments in neurodegenerative disease

[Benjamin Ryskeldi-Falcon, MRC Laboratory of Molecular Biology, UK](#)

11:10 11:55 Interactive discussion with session speakers

11:55 12:55 Networking and Lunch

12:55 15:50 Session 8: Therapeutic Approaches

Introduction to the session

Chair: Nancy Bonini, University of Pennsylvania, USA

12:55 13:55 Developing Antisense Therapies for Neurodegenerative Diseases

[Frank Bennett, Ionis, USA](#)

13:55 14:05 Break

14:05 15:05 Advances in Gene Therapies for the CNS

[Beverly Davidson, University of Pennsylvania, USA](#)

15:05 15:50 Interactive discussion with session speakers

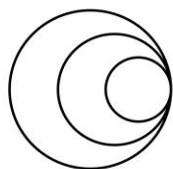
15:50 16:20 Networking / Refreshment Break

16:20 18:05 Lightning Talks & Poster Session

16:20 17:05 3 mins x 15 talks

17:05 18:05 Posters and Drinks Reception

18:05 Dinner (bar open card payments only)



Friday 29 July 2022

09:00 11:55 Session 9: ALS/FTD

Introduction to the session

Chair: Karen Duff, University College London, UK

09:00 10:00 Mechanisms of disease pathogenesis in the ALS-FTD disease spectrum

[Rita Sattler, Barrow Neurological Institute, USA](#)

10:00 10:10 Refreshment Break

10:10 11:10 TDP-43: A game changer for ALS

[Nancy Bonini, University of Pennsylvania, USA](#)

11:10 11:55 Interactive discussion with session speakers

11:55 12:05 Break

12:05 12:20 Closing Remarks

12:05 12:20 [Nancy Bonini, University of Pennsylvania, USA](#)

[Karen Duff, UK DRI at UCL, UK](#)

[Rita Sattler, Barrow Neurological Institute, USA](#)

[Patrik Vertreken, VIB-KU Leuven Center for Brain & Disease Research, Belgium](#)

12:20 12:40 Networking and Grab bag lunch

12:40 Coach departs to Cambridge train station and City centre