

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

11:00	12:00	Registration
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11:00	12:00	Registration with buffet lunch
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12:00	12:30	Welcome
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Scientific Programme Committee:

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

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

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

[*Patrik Vertreken, KU Leuven Center, Belgium*](#)

12:30	13:10	Student Introductions
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12:30	12:40	Introduction to the session
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Chair: Rita Sattler, Barrow Neurological Institute, USA

12:40	13:10	Each student has 1 minute to introduce themselves with 1 interesting fact!!
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13:10	13:20	Break
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13:20	16:00	Session 1: Huntington's Disease Mechanisms
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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
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[*Gillian Bates, UK DRI at UCL, UK*](#)

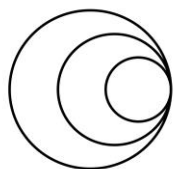
14:20	14:30	Break
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14:30	15:15	Drugging DNA damage repair pathways for trinucleotide repeat expansion diseases
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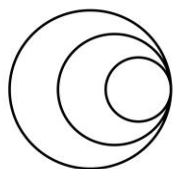
[*Caroline Benn, LoQus23 Therapeutics Ltd, UK*](#)

15:15	16:00	Interactive discussion with session speakers
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16:00	16:30	Networking / Break
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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 Patrik Verstreken, VIB-KU Leuven Center, Belgium
17:30	17:40	Break
17:40	18:40	The Opportunities and Challenges of Developing Novel Therapeutics for Parkinson's Disease Warren Hirst, Biogen, USA
18:40	19:25	Interactive discussion with session speakers
19:25		Networking / Drinks Reception
19:55		Dinner (Cash Bar)



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 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, VUB - KU Leuven Centre, Belgium

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

[Rosa Rademaecker, VUB-KU Leuven Center, 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

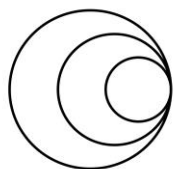
15:50 16:20 Networking / Break

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 (Cash bar)



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 Break

10:10 10:55 Discussion of problems and advances in development of effective drugs for
Alzheimer's disease

[John Isaac, Johnson & Johnson Innovation, UK](#)

[Frances Edwards, 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

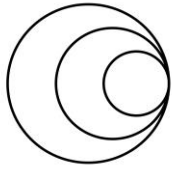
Chair: Karen Duff, University College London, UK

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 / 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

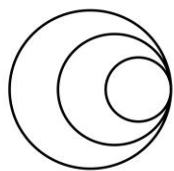
15:50 16:50 Model human brain development and disorders using brain organoids

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

16:50 17:20 Interactive discussion with session speakers

17:20 17:50 Networking / Break

18:00 Dinner (Cash bar)



Thursday 28 July 2022

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

Introduction to the session

Chair: Patrik Verstreken, VIB-KU Leuven Center, Belgium

09:00 10:00 Tauopathy in AD and FTD

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

10:00 10:10 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

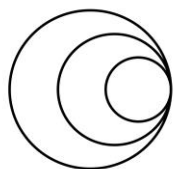
15:50 16:20 Networking / Break

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 (Cash bar)



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 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, Belgium*](#)

12:20 12:40 Networking and Grab bag lunch

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