

**Hybrid Conference Programme**

Start (BST)	Finish (BST)	Presenter details
<b>Wednesday 17 May</b>		
12:00	13:00	<b>Registration, lunch and networking</b>
12:45	13:00	Briefing for Keynote & Session 1 speakers, microphone runners, chair, moderator & committee - Auditorium
13:00	13:10	<b>Welcome</b> <b>Scientific Programme Committee:</b> <a href="#">Cornelis Blauwendraat, NIH/National Institute on Aging, USA</a> <a href="#">Kristen Brennand, Yale University, USA</a> <a href="#">Anders Berglum, Aarhus University, Denmark</a> <a href="#">Mina Ryten, UCL Great Ormond Street Institute of Child Health, UK</a>
13:10	14:10	<b>Keynote 1</b> Chair: Anders Berglum Moderator: Louise Huuki-Myers From GWAS to Function <a href="#">Danielle Posthuma, VU Amsterdam, Netherlands - VIRTUAL</a>
14:10	14:15	Comfort break
14:15	15:45	<b>Session 1: Modelling disease</b> Chair: Kristen Brennand Moderator: Sool Lee
14:15	14:45	Thinking big to see small: from macroscopic to nanoscopic resolution of Parkinson's disease <a href="#">Sonia Gandhi, Crick Institute, UK</a>
14:45	15:15	Gene regulatory networks and epigenetic mapping of human microglia <a href="#">Nicole Coufal, University of California, San Diego, USA</a>
15:15	15:30	Modelling chromatin-related disorders with genetic and drug perturbations using bulk deconvolution <a href="#">Pau Puigdevall Costa, University of Helsinki, Finland</a>
15:30	15:45	RNA editing contributes to the inflammatory astrocytic response in Parkinson's disease <a href="#">Aaron Wagen, University College London, UK</a>
15:45	16:30	Refreshment break and networking
16:15	16:30	Briefing for Session 2 speakers, microphone runners, chair & moderator - Auditorium
16:30	18:00	<b>Session 2: Scalable 'omics</b> Chair: Mina Ryten Moderator: Szi Leung
16:30	17:00	Cell-Type Specificity of Genetic Regulatory Mechanisms of Gene Expression Shapes Brain Disease Etiology <a href="#">Panos Roussos, Icahn Mount Sinai, USA</a>
17:00	17:30	Massively parallel reporter assay on schizophrenia risk variants <a href="#">Hyejung Won, The University of North Carolina, USA</a>
17:30	17:45	Influence of amyloid and tau pathology on local microenvironment gene expression in the human inferior temporal cortex in Alzheimer's disease <a href="#">Leonardo Collado Torres, Lieber Institute for Brain Development, USA</a>
17:45	18:00	Progressive multiple sclerosis has defined spatial domains with biochemical disruption characteristic of neurodegenerative disorders <a href="#">Melissa Grant-Peters, University College London, UK</a>
18:00	18:30	<b>Poster Pitches for odd number posters</b> Chair: Mina Ryten
18:30	19:30	<b>Poster session 1 - odd number posters</b>
19:30	21:00	Dinner
		Bar open (card payments only)

Thursday 18 May		
07:30	09:00	Breakfast
09:15	09:30	Briefing for Session 3 speakers, microphone runners, chair & moderator - Auditorium
<b>09:30</b>	<b>11:00</b>	<b>Session 3: Methods of population studies</b> <i>Chair: Cornelis Blauwendraat</i> <i>Moderator: Louise Huuki-Myers</i>
09:30	10:00	Variants conferring high-risk of schizophrenia affect cognition in controls <a href="#">Hreinn Stefansson, deCODE Genetics, Iceland</a>
10:00	10:30	Sub-diagnostic effects of genetic variants associated with autism <a href="#">Thomas Bourgeron, Institut Pasteur, France</a>
10:30	10:45	The impact of rare coding variants in schizophrenia associated genes on cognition within the UK Biobank <i>Eilidh Fenner, Cardiff University, UK</i>
10:45	11:00	A Meta-Analysis and Assessment of Reproducibility of Single-Cell Transcriptomic Case-Control Studies <i>Nathan Nakatsuka, New York Genome Center, USA - VIRTUAL</i>
11:00	11:30	Refreshment break and networking
11:15	11:30	Briefing for Session 4 speakers, microphone runners, chair & moderator - Auditorium
<b>11:30</b>	<b>13:15</b>	<b>Session 4: Complex genetic variation in brain diseases</b> <i>Chair: Anders Berglum</i> <i>Moderator: Sool Lee</i>
11:30	12:00	The re-emerging role of short tandem repeats in the genomic era <a href="#">Arianna Tucci, Queen Mary University of London, UK</a>
12:00	12:30	Investigating genetic variation in 3 dimensions <a href="#">Elise Robinson, Broad Institute, USA - VIRTUAL</a>
12:30	12:45	New exome sequencing data provides preliminary evidence for three novel schizophrenia risk genes <i>Sophie Chick, Cardiff University, UK</i>
12:45	13:00	The influence of CNVs, genes and pathways on risk for six major psychiatric disorders <i>Omar Shanta, University of California San Diego, USA</i>
13:00	13:15	Breaking Free from GWAS Shackles: Uncovering Regulatory Drivers in Parkinson's Disease risk loci <i>Sophie Farrow, University of Auckland, New Zealand</i>
13:15	14:30	Lunch and networking
14:15	14:30	Briefing for Session 5 speakers, microphone runners, chair & moderator - Auditorium
<b>14:30</b>	<b>16:00</b>	<b>Session 5: Genetic architecture</b> <i>Chair: Cornelis Blauwendraat</i> <i>Moderator: Kuldeep Kumar</i>
14:30	15:00	Polygenic architecture across neuropsychiatric disorders and brain phenotypes – potential clinical implications? <a href="#">Ole Andreassen, University of Oslo, Norway</a>
15:00	15:30	Genes influence complex traits through environments that vary between geographic regions <a href="#">Abdel Abdellaoui, Amsterdam UMC, Netherlands</a>
15:30	15:45	Genome-wide Polygenic Score for Attention Deficit Hyperactivity Disorder is Associated with Reduced Total Brain Volume and Cortical Surface Area in Neonates <i>Harriet Cullen, Kings College London, UK</i>
15:45	16:00	Joint multi-family history and multi-polygenic score prediction of major depressive disorder <i>Rujia Wang, Kings College London, UK</i>
<b>16:00</b>	<b>16:30</b>	<b>Poster Pitches for odd number posters</b> <i>Chair: Cornelis Blauwendraat</i>
<b>16:30</b>	<b>16:45</b>	<b>Sponsored talk by Richard Capper, Illumina UK - This is the Genome Era</b>
<b>16:45</b>	<b>17:45</b>	<b>Poster session 2 - even number posters</b>
17:45	18:30	Free time
18:30	21:00	Dinner
		Bar open (card payments only)

Friday 19 May		
07:30	09:00	Breakfast
09:15	09:30	Briefing for Session 6 speakers, microphone runners, chair & moderator - Auditorium
<b>09:30</b>	<b>11:00</b>	<b>Session 6: Using genomics to drive therapeutics</b>
		Chair: <i>Kristen Brennand</i> Moderator: <i>Szi Leung</i>
09:30	10:00	The Depression Genomics Revolution: unlocking complexity <a href="#">Gerome Breen, Kings College London, UK</a>
10:00	10:15	Single-cell Mendelian randomisation identifies cell-type specific effects on human brain disease and behaviour <i>Michael Johnson, Imperial College London, UK</i>
10:15	10:30	Identification of Clinically-Relevant Genetic Subgroups in Parkinson's Disease <i>Neil Humphries-Kirilov, C4X Discovery, UK</i>
10:30	10:45	Convergent impact of schizophrenia risk genes <i>Kayla Townsley, Icahn School of Medicine at Mount Sinai, USA</i>
10:45	11:00	High-Content Mitophagy Screen of 503 Protein-Coding Parkinson's Disease Risk Genes Reveals Novel Regulators of PINK1/Parkin Mitophagy Process <i>Benjamin O'Callaghan, UCL Queen Square Institute of Neurology, UK</i>
11:00	11:45	Refreshment break and networking
11:30	11:45	Briefing for Keynote, microphone runners, chair, moderator & committee - Auditorium
<b>11:45</b>	<b>12:45</b>	<b>Keynote 2</b>
		Chair: <i>Mina Ryten</i> Moderator: <i>Kuldeep Kumar</i>
		Genomic analysis of the major neurodegenerative diseases <a href="#">John Hardy, University College London, UK</a>
<b>12:45</b>	<b>13:00</b>	<b>Closing remarks and prize presentation</b>
		<b>Scientific Programme Committee:</b> <a href="#">Cornelis Blauwendraat, NIH/National Institute on Aging, USA</a> <a href="#">Kristen Brennand, Yale University, USA</a> <a href="#">Anders Berglum, Aarhus University, Denmark</a> <a href="#">Mina Ryten, UCL Great Ormond Street Institute of Child Health, UK</a>
13:00	13:45	Lunch
13:45		Coach departures for Stansted and Heathrow airports
14:00		Coach departures for Cambridge train station and city centre