

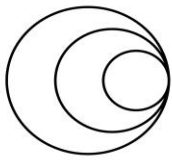
Virtual Conference Agenda

Start (GMT)	Finish (GMT)	Presenter details
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Wednesday 14 April 2021

13:00	13:05	<p>Welcome</p> <p><i>Scientific Programme Committee: Alison Goate</i> Kristen Brennand, Icahn School of Medicine at Mount Sinai, USA Alison Goate, Icahn School of Medicine at Mount Sinai, USA Michael Owen, Cardiff University, UK Mina Ryten, UCL, UK</p>
13:05	13:55	<p>Keynote Presentation</p> <p><i>Chair: Alison Goate</i></p>
13:05	13:35	<p>The nature of schizophrenia Michael Owen, Cardiff University, UK</p>
13:35	13:55	<p>Q&A <i>Chair: Alison Goate</i> <i>Moderator: Mina Ryten</i></p>
13:55	14:05	Break
14:05	15:35	<p>Session 1: Systems Biology</p> <p>Introduction to the session <i>Chair: Alison Goate</i></p>
14:05	14:25	<p>CRISPR-based functional genomics for brain diseases Martin Kampmann, University of California, San Francisco, USA</p>
14:25	14:45	<p>The role of neuroinflammation in Parkinson's disease Caleb Webber, University of Oxford, UK</p>
14:45	14:55	<p>Genetic Identification of Cell Types Underlying Brain Complex Traits Yields Novel Insights Into the Etiology of Parkinson's Disease Nathan Skene, Imperial College London, UK</p>
14:55	15:05	<p>Genetic regulation and transcriptomic response to amyotrophic lateral sclerosis in the human spinal cord Jack Humphrey, Mount Sinai, USA</p>
15:05	15:35	<p>Q&A <i>Chair Alison Goate</i> <i>Moderator: Mina Ryten</i></p>
15:35	15:55	Break

15:55	17:25	Session 2: Modelling disease
		Introduction to the session <i>Chair: Kristen Brennand</i>
15:55	16:15	A Collaborative Study of Tauopathy in 3D from the Tau Consortium Stem Cell Group Sally Temple, Neural Stem Cell Institute, USA
16:15	16:35	Understanding the contribution of cortical interneuron dysfunction in schizophrenia Beatriz Rico, Kings College London, UK
16:35	16:45	Molecular and functional signatures associated with 16p11.2 Reciprocal Genomic Disorder: insights into neurodevelopmental disorders <i>Derek Tai, Massachusetts General Hospital, USA</i>
16:45	16:55	The effects of the 15q11.2 BP1-BP2 copy number variant on white matter microstructure <i>Ana Silva, Cardiff University, UK</i>
16:55	17:25	Q&A <i>Chair: Kristen Brennand</i> <i>Moderator: Michael Owen</i>
17:25	17:35	Break
17:35	18:50	Poster Session I
17:35	17:50	Poster lightning talks
17:50	18:50	Poster session

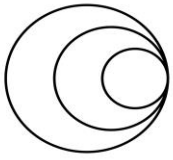


Thursday 15 April 2021

13:00 14:30 Session 3: Tools (single cells, proteomics, metabolomics, spacial transcriptomics)		
Introduction to the session <i>Chair: Kristen Brennand</i>		
13:00	13:20	Genomic methods to map odor modulatory connections in a primitive stress circuit Naresh Hanchete, Fred Hutchinson Cancer Research Centre, USA
13:20	13:40	In vivo Perturb-seq: Study gene function at scale in developing tissues Xin Jin, Harvard University, USA
13:40	13:50	Cell type and cortex-specific RNA editing in single human neurons informs neuropsychiatric disorders <i>Melanie Bahlo, Walter and Eliza Hall Institute, Australia</i>
13:50	14:00	Dysregulation of splicing in human brain from individuals with Lewy body disease informs disease mechanisms <i>Regina Reynolds, University College London, UK</i>
14:00	14:30	Q&A <i>Chair: Kristen Brennand</i> <i>Moderator: Allison Goate</i>
14:30	14:50	Break
14:50 16:20 Session 4: Population Studies		
Introduction to the session <i>Chair: Michael Owen</i>		
14:50	15:10	Mendelian randomization integrating GWAS and EQTL data reveals genetic determinants of complex and clinical traits Eleonora Porcu, University of Lausanne, Switzerland
15:10	15:30	Genetic risk loci and polygenic architecture of ADHD Ditte Demontis, Aarhus University, Denmark
15:30	15:40	Meta-analysis of genome-wide DNA methylation identifies shared associations across neurodegenerative disorders <i>Marta Nabais, University of Queensland, Australia</i>
15:40	15:50	Investigating causality of environmental and lifestyle risk factors associated with parkinson's disease: a mendelian randomization study <i>Carmen Dominguez, Brigham and Woman's Hospital, USA</i>
15:50	16:20	Q&A <i>Chair: Michael Owen</i> <i>Moderator: Mina Ryten</i>
16:20	16:30	Break
16:30 17:45 Poster Session 2		
16:30	16:45	Poster lightning talks
16:45	17:45	Poster session

Friday 16 April 2021

13:00	14:40	Session 5: Genetic Architecture
		Introduction to the session <i>Chair: Michael Owen</i>
13:00	13:20	Functional genomics approaches to dissect neurodegenerative diseases Peter Heutink, German Centre for Neurodegenerative Diseases, Germany
13:20	13:40	How might the genetic contribution to major depressive disorder inform diagnosis, course and treatment? Cathryn Lewis, Kings College London, UK
13:40	13:50	Schizophrenia, autism spectrum disorders, and developmental disorders share specific disruptive coding mutations <i>Elliott Rees, Cardiff University, UK</i>
13:50	14:00	Exploring the phenome-wide consequences of Anorexia Nervosa associated genes <i>Jessica Johnson, Ichan School of Medicine Mount Sinai, USA</i>
14:00	14:10	Human-lineage-specific genomic elements are present at high density within genes implicated in neurodegenerative diseases and are enriched for heritability of intelligence <i>Zhongbo Chen, UCL Institute of Neurology, UK</i>
14:10	14:40	Q&A <i>Chair: Michael Owen</i> <i>Moderator: Kristen Brennand</i>
14:40	15:00	Break
15:00	16:20	Session 6: Delivery of genomic results
		Introduction to the session <i>Chair: Mina Ryten</i>
15:00	15:20	Your DNA Your Say: global public attitudes towards genomic data sharing Anna Middleton, Wellcome Genome Campus, UK
15:20	15:40	The promise of personalised medicine in Estonia: returning of genetic results to the Estonian Biobank participants Kelli Lehto, University of Tartu, Estonia
15:40	15:50	What's next in autism genomics? Sharing research progress, potential and opportunities for public involvement <i>Lorna Lopez, Trinity College Dublin, Ireland</i>
15:50	16:20	Q&A <i>Chair: Mina Ryten</i> <i>Moderator: Alison Goate</i>
16:20	16:40	Break
16:40	18:00	Session 7: Using genomics to drive therapeutics
		Introduction to the session <i>Chair: Mina Ryten</i>
16:40	17:00	Stress granules as therapeutic targets in neurodegeneration Stefan Aigner, UC San Diego School of Medicine, USA
17:00	17:20	Applying human genetics across the pharmaceutical research and development pipeline Janna Hutz, Eisai Center for Genetics Guided Dementia Discovery, USA
17:20	17:30	The bidirectional causal effects of brain morphology across the life course and risk of Alzheimer's disease: A cross-cohort comparison and Mendelian randomization meta-analysis <i>Roxanna Korologou Linden, University of Bristol, UK</i>
17:30	18:00	Q&A <i>Chair: Mina Ryten</i> <i>Moderator: Kristen Brennand</i>



18:00 18:05 Closing remarks

Scientific Programme Committee:

[*Kristen Brennand, Icahn School of Medicine at Mount Sinai, USA*](#)

[*Alison Goate, Icahn School of Medicine at Mount Sinai, USA*](#)

[*Michael Owen, Cardiff University, UK*](#)

[*Mina Ryten, UCL, UK*](#)