

Hybrid Conference Programme

Start (BST)	Finish (BST)	Time allocated	Presenter details
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Wednesday 7 June 2023

12:00	13:00	Registration, lunch and networking	
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12:30	12:50	<i>Briefing for Keynote & Session 1 speakers, chair, moderator & committee - Auditorium</i>	
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12:50	13:00	Welcome	
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Scientific Programme Committee:

[*Julian Griffin, University of Aberdeen, UK*](#)

[*Claudia Langenberg, Berlin Institute of Health at Charite, Germany*](#)

[*Ruth Loos, University of Copenhagen, Denmark*](#)

[*Giles Yeo, University of Cambridge, UK*](#)

13:00	14:00	Keynote 1	
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Chair: Claudia Langenberg

Moderator: Julian Griffin

Personalized medicine based on deep human phenotyping

[*Eran Segal, Weizmann Institute of Science, Israel*](#)

14:00	14:10	Comfort break	
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14:10	15:40	Session 1: Genomics in metabolic disease	
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Chair: Eleanor Raffan, University of Cambridge, UK

Moderator: Claudia Langenberg

14:10	14:40	Unravelling mechanisms for islet-cell dysfunction in diabetes using multi-omic data <i>Anna Gloyn, Stanford University, USA</i>	
14:40	15:10	Mapping cellular processes across multiple phenotypic scales in the context of type 2 diabetes genetic variation <i>Melina Claussnitzer, Broad Institute, USA</i>	
15:10	15:25	A multi-ancestry whole exome sequencing analyses of BMI and obesity identifies novel genes <i>Nathalie Chami, Icahn School of Medicine at Mount Sinai, USA</i>	
15:25	15:40	Genetic architecture of body size change from childhood to adulthood <i>Germán Carrasquilla, University of Copenhagen, Denmark</i>	

15:40	16:10	Refreshment break
15:55	16:10	Briefing for Session 2 speakers, chair & moderator - Auditorium
16:10	17:40	Session 2: Epigenomics & transcriptomics
		<i>Chair: Julian Griffin</i> <i>Moderator: Giles Yeo</i>
16:10	16:40	Single-cell mapping of body weight-regulatory hindbrain cell populations Tune Pers, University of Copenhagen, Denmark
16:40	17:10	Skeletal muscle response to an exercise bout Anna Krook, Karolinska Institute, Sweden
17:10	17:25	Transcriptomic Response of Postprandial Blood, Fat and Muscle to a combined lifestyle intervention in older adults <i>Fatih Bogaards, Leiden University Medical Center, Netherlands</i>
17:25	17:40	Spatial mapping of GLP-1R populations in the human hypothalamus <i>Georgina Dowsett, University of Cambridge, UK</i>
17:40	18:10	Poster pitches for odd number posters
18:10	18:25	Sponsor talk
18:10	18:25	Characterization of metabolic health and impact of medical and dietary interventions using proteomic surrogates <i>Steve Williams (Chief Medical Officer), SomaLogic</i>
18:25	19:25	Poster session 1 - odd numbers with refreshments Sponsored by SomaLogic
19:25	21:30	Dinner
		Bar open (card payments only)

Thursday 8 June 2023

07:30	09:00	Breakfast
09:15	09:30	Briefing for Session 3 speakers, chair & moderator - Auditorium
09:30	11:00	Session 3: Proteomics
		<i>Chair: Richard Kay, Wellcome Trust MRC Institute of Metabolic Science, UK</i> <i>Moderator: Julian Griffin</i>
09:30	10:00	High-throughput proteomics for clinical cohort studies and to discover missing gene function Markus Rasler, Berlin Institute of Health at Charite, Germany
10:00	10:30	Insights into type 2 diabetes from islet single-cell genomics Maïke Sander, Max Delbrück Center for Molecular Medicine, Germany
10:30	10:45	Metabolic moonlighting and single-cell heterogeneity drive functional phenotypes in human cells <i>Chrisitan Gnann, KTH Royal Institute of Technology, Sweden</i>
10:45	11:00	Proteomic and lipidomic adaptations in liver upon acute reversal of insulin resistance demonstrate molecular rewiring <i>Xiaowen Duan, Institute of Metabolic Science, UK</i>
11:00	11:45	Refreshment break
11:30	11:45	Briefing for Session 4 speakers, chair & moderator - Auditorium
11:45	13:15	Session 4: Metabolic disease research in diverse populations and global settings
		<i>Chair: Giles Yeo</i> <i>Moderator: Claudia Langenberg</i>
11:45	12:15	No one left behind: considerations for multi-omic research in low resource settings Simon Anderson, The University of the West Indies, Barbados
12:15	12:45	Exploring African genetic diversity for novel gene discovery & genetic risk prediction Segun Fatumo, Medical Research Council/Uganda Virus Research Institute and London School of Hygiene & Tropical Medicine Uganda Research Unit, Uganda
12:45	13:00	XBP1 expression in pancreatic islet cells is associated with poor glycaemic control especially in young non-obese onset diabetes across diverse ancestries <i>Moneeza K Siddiqui, University of Dundee, UK</i>
13:00	13:15	Genetic studies of urine metabolomics to elucidate metabolic disease processes in Polynesian-ancestry individuals <i>Khánh-Dung Nguyen, Variant Bio, USA</i>

13:15	14:45	Lunch and networking
14:30	14:45	Briefing for Session 5 speakers, chair & moderator - Auditorium
14:45	16:15	Session 5: Metabolomics & lipidomics
		<i>Chair: Julian Griffin</i>
		<i>Moderator: Giles Yeo</i>
14:45	15:15	Where have “omic” studies in obesity led us? Karine Clement, Sorbonne University, France
15:15	15:45	The impact of multiomics to inform precision health Jessica Lasky-Su, Harvard University, USA
15:45	16:00	TLCD1 and TLCD2 regulate cellular phosphatidylethanolamine composition and promote the progression of non-alcoholic steatohepatitis <i>Kasparas Petkevicius, University of Cambridge, UK</i>
16:00	16:15	Unravelling the interplay between type 2 diabetes, genetics and metabolite levels <i>Ozvan Bocher, Helmholtz Munich, Germany</i>
16:15	16:45	Poster pitches for even number posters
16:45	17:45	Poster session 2 - even numbers with refreshments
17:45	18:30	Free time/networking
18:30	20:30	Dinner
		Bar open (card payments only)

Friday 9 June 2023

07:30	09:00	Breakfast
09:15	09:30	Briefing for Session 6 speakers, chair & moderator
09:30	11:00	Session 6: Application of multi-omics to disease
		<i>Chair: Julian Griffin</i> <i>Moderator: Claudia Langenberg</i>
09:30	10:00	Integrating genetics with proteomics to inform drug discovery and development Joanna Howson, Novo Nordisk Research Centre Oxford, UK
10:00	10:30	Leveraging metabolite and protein QTLs to dissect GWAS loci Eric Fauman, Pfizer, USA
10:30	10:45	Linking inter organ communications: A systemic approach to understand pathogenesis of Diabetes <i>Dominik Lutter, Helmholtz Munich, Germany</i>
10:45	11:00	A CRISPR-inhibition library to investigate non-alcoholic fatty liver disease genetic loci <i>Kelly De Coteau, Imperial College London, UK</i>
11:00	11:45	Refreshment break
11:30	11:45	Briefing for Keynote, chair, moderator & committee
11:45	12:45	Keynote 2
		<i>Chair: Giles Yeo</i> <i>Moderator: Julian Griffin</i>
		Genetic effects on the epigenome and transcriptome at genomic loci for metabolic disease Karen Mohlke, University of North Carolina, USA
12:45	13:00	Closing remarks and prize presentation
		Scientific Programme Committee: <i>Julian Griffin, University of Aberdeen, UK</i> <i>Claudia Langenberg, Berlin Institute of Health at Charite, Germany</i> <i>Ruth Loos, University of Copenhagen, Denmark</i> <i>Giles Yeo, University of Cambridge, UK</i>
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