

**Hybrid Conference Programme**

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

12:00	12:50		<b>Registration, lunch and networking</b>
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12:30	12:50		<i>Briefing for Keynote &amp; Session 1 speakers, chair, moderator &amp; committee - Auditorium</i>
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12:50	13:00		<b>Welcome</b>
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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		<b>Keynote 1</b>
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*Chair: Claudia Langenberg*

*Moderator: Julian Griffin*

Personalized medicine based on deep human phenotyping

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

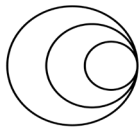
14:00	14:10		Comfort break
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14:10	15:40		<b>Session 1: Genomics in metabolic disease</b>
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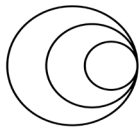
*Chair: Eleanor Raffan, University of Cambridge, UK*

*Moderator: Claudia Langenberg*

14:10	14:40		Unravelling mechanisms for islet-cell dysfunction in diabetes using multi-omic data <a href="#"><i>Anna Gloyn, Stanford University, USA</i></a>
14:40	15:10		Mapping cellular processes across multiple phenotypic scales in the context of type 2 diabetes genetic variation <a href="#"><i>Melina Claussnitzer, Broad Institute, USA</i></a>
15:10	15:25		Dissecting the genetic heterogeneity of type 2 diabetes using untargeted plasma metabolomics reveals unique molecular signatures of disease subtypes <i>Alice Williamson, University of Cambridge, UK</i>
15:25	15:40		Genetic architecture of body size change from childhood to adulthood <i>Germán Carrasquilla, University of Copenhagen, Denmark</i>

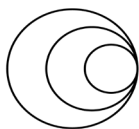


15:40	16:10	Refreshment break
15:55	16:10	Briefing for Session 2 speakers, chair & moderator - Auditorium
<b>16:10</b>	<b>17:40</b>	<b>Session 2: Epigenomics &amp; transcriptomics</b> <i>Chair: Julian Griffin</i> <i>Moderator: Giles Yeo</i>
16:10	16:40	Single-cell mapping of body weight-regulatory hindbrain cell populations <a href="#">Tune Pers, University of Copenhagen, Denmark</a>
16:40	17:10	Skeletal muscle response to an exercise bout <a href="#">Anna Krook, Karolinska Institute, Sweden</a>
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>
<b>17:40</b>	<b>18:10</b>	<b>Poster pitches for odd number posters</b>
<b>18:10</b>	<b>18:25</b>	<b>Sponsor talk</b>
18:10	18:25	Characterizing the differential health outcomes of metabolic health studies in smaller, shorter studies. The magic of proteomic surrogates <i>Steve Williams (Chief Medical Officer), SomaLogic</i>
<b>18:25</b>	<b>19:25</b>	<b>Poster session 1 - odd numbers with drinks reception - Sponsored by SomaLogic</b>
19:25	21:30	Dinner
		Bar open (card payments only)

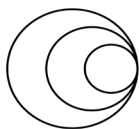


Thursday 8 June 2023

07:30	09:00	Breakfast
09:15	09:30	Briefing for Session 3 speakers, chair & moderator - Auditorium
<b>09:30</b>	<b>11:00</b>	<b>Session 3: Proteomics</b> <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 <a href="#">Markus Ralser, Berlin Institute of Health at Charite, Germany</a>
10:00	10:30	Insights into type 2 diabetes from islet single-cell genomics <a href="#">Maïke Sander, Max Delbrück Center for Molecular Medicine, Germany</a>
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
<b>11:45</b>	<b>13:15</b>	<b>Session 4: Metabolic disease research in diverse populations and global settings</b> <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 <a href="#">Simon Anderson, The University of the West Indies, Barbados</a>
12:15	12:45	Exploring African genetic diversity for novel gene discovery & genetic risk prediction <a href="#">Segun Fatumo, Medical Research Council/Uganda Virus Research Institute and London School of Hygiene &amp; Tropical Medicine Uganda Research Unit, Uganda</a>
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
<b>14:45</b>	<b>16:15</b>	<b>Session 5: Metabolomics &amp; lipidomics</b> <i>Chair: Julian Griffin</i> <i>Moderator: Giles Yeo</i>
14:45	15:15	Where have "omic" studies in obesity led us? <a href="#">Karine Clement, Sorbonne University, France</a>
15:15	15:45	The impact of multiomics to inform precision health - <b>virtual</b> <a href="#">Jessica Lasky-Su, Harvard University, USA</a>
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>
<b>16:15</b>	<b>16:45</b>	<b>Poster pitches for even number posters</b>
<b>16:45</b>	<b>17:45</b>	<b>Poster session 2 - even numbers with drinks reception</b>
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
<b>09:30</b>	<b>11:00</b>	<b>Session 6: Application of multi-omics to disease</b> <i>Chair: Julian Griffin</i> <i>Moderator: Claudia Langenberg</i>
09:30	10:00	Integrating genetics with proteomics to inform drug discovery and development <a href="#">Joanna Howson, Novo Nordisk Research Centre Oxford, UK</a>
10:00	10:30	Leveraging metabolite and protein QTLs to dissect GWAS loci <a href="#">Eric Fauman, Pfizer, USA</a>
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
<b>11:45</b>	<b>12:45</b>	<b>Keynote 2</b> <i>Chair: Giles Yeo</i> <i>Moderator: Julian Griffin</i>  Genetic effects on the epigenome and transcriptome at genomic loci for metabolic disease <a href="#">Karen Mohlke, University of North Carolina, USA</a>
<b>12:45</b>	<b>13:00</b>	<b>Closing remarks and prize presentation</b> <b>Scientific Programme Committee:</b> <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