Functional Multi-Omics Symposium

Date: 17 October 2025 | Time: 09:30 – 16:30

Venue: QIB-UG55ABC

09:30-10:00	Registration & refreshments
10:00-10:15	Welcome & opening remarks (Dr Muhammad Yasir)
Session 1, Chair: Dr Heather Felgate	
10:15-10:40	Prof Daniel Figeys (Quadram Institute, UK)
	Metaproteomics for uncovering drug-microbiome interactions
10:40-10:45	Mr AmirAli Toghani (The Sainsbury Laboratory, UK)
	Computational structural biology of NLR immune receptors
10:45-11:10	Prof Irene Papatheodorou (Earlham Institute, UK)
	Decoding phenotypes at the cell type level
11:10-11:15	Dr Christina Homberger (University of Basel, Switzerland)
	Dissecting bacterial heterogeneity with single -cell transcriptomics
11:15-12:00	Interactive session & hands-on data challenge
12:00-13:15	Lunch & poster session
Session 2, Chair: Dr Lizbeth Sayavedra	
13:15-13:40	Prof Mark Webber (Quadram Institute, UK)
	Functional genomics from single cells to communities
13:40-13:45	Dr Emily Stoakes (University of Cambridge, UK)
	Campylobacter complex datasets - challenges and opportunities
13:45-14:00	Dr Noemi Tejera (EMBL-EBI, UK)
	Advancing FAIR metabolomics data sharing with MetaboLights
14:00-14:10	Dr Gwenaelle Le Gall (University of East Anglia, UK)
	Diet, the microbiome, and the metabolome
14:10-14:15	Dr Natalia Miguel Vior (John Innes Centre, UK)
	Pairing transcriptomic and metabolomic analyses in Streptomyces
14:15-15:00	Interactive session & coffee break
	ML/AI models for data integration
Session 3, Chair: Dr Muhammad Yasir	
15:00-15:30	Panel discussion
	Integration of functional multi-omics data
15:30-16:15	**Keynote:** Prof Lars Barquist (University of Toronto, Canada / Helmholtz Institute Würzburg, Germany)
	The challenge of structure for functional 'omics data integration
16:15-16:30	Closing remarks
	Poster prizes, feedback & thanks

Supported by: