Wednesday 9 July						
Time	Title	Presenter				
G.41						
13:00-13:30	Registration, Lunch & Networking					
13:30-14:30	Keynotes	Chair: Nick Loman				
13:30	Francis Crick, the father of genomics and phylogenetics	Matthew Cobb - University of Manchester				
14:00	Rapid intraoperative diagnostics of CSF tumours	Matt Loose - University of Nottingham				
	Evolving Technologies 1	Chair: Michael Quail				
14:30	Driving the multiomics revolution: The latest innovations from Illumina	Oliver Miller, Illumina				
14:50	Element Biosciences	Rachel Piddock				
15:10	From big dreams to real possibilities	Dan Fordham				
15:30	Innovation across the technology spectrum	Neil Ward				
16:00-16:30	Coffee Break					
16:30-18:15	Evolving Technologies 2	Chair: Michael Quail				
16:30	Access the Full Richness of Biological Complexity with New Single Cell and Spatial tools from 10X Genomics	Nicola Cahill				
16:50	Ultima	Alex Watkins				
17:10	Single Technologies	Johan Stroemqvist				
17:30	Roche	Bernd Timmermann				
18:05-19:30	18:05-19:30 Drinks Reception and Posters					

Thursday 10 July						
	arallel A - G.56 Parallel B - G.06					
08:15-09:15	Genomics Community UK Networking Breakfast - G.06					
08:30-09:20	Coffee & Pastries	,				
09:20-11:00	Plant and Animal Genomics	Chair: Al Darby	Evolutionary Genomics	Chair: Matt Loose		
09:20	Decoding multiple layers of Genomics using Twist Bioscience'	Sponsor Talk - Twist	The Future of Exponentially Scalable Single Cell-omics	Sponsor Talk - ParseBio Ryan Wall		
09:30	Wheat Pan Genomics	Anthony Hall	Cycles of centromere evolution	lan Henderson		
09:55	Fly genomes and transposable element invasions	Professor Andrea Betancourt	Hanging on the Tree of Life: Sequencing All Life and the Genomic Impact of Jumping Elements in Sloths.	Marcela Uliano-Silva		
10:20	Artificial Lighting Induces Gene Expression Responses Linked to Oxidative Stress in Bats	Tom Jenkins	High-Resolution Mapping of Bacterial Evolution Under Antibiotic Stress Using Single-Cell Whole-Genome Sequencing	Matt Bawn		
10:35	20. Performance assessment of a rapid library preparation kit for short-read RNA sequencing	Thomas Brabbs	22. Testing the regulatory effects of indels and structural variants using massively parallel reporter assays	Lindsey Plenderleith		
10:50	Exploring the power of 10X spatial applications: A focus on Visium HD and Xenium In situ tools in plant and animal studies	Sponsor Talk - 10x Genomics Nicola Cahill				
	Coffee Break					
11:30-13:00	Spatial Genomics	Chair: Iain Macaulay	Microbial Genomics	Chair: Lauren Cowley		
11:30	Enabling Spatial Omics at true single-cell resolution	Sponsor Talk - Takara Speaker: Matthieu Pesant, Takara Bio Europe	Accurate detection of small non-coding RNAs using NEBNext Low-bias Small RNA Library Prep Kit	Sponsor Talk - New England BioLabs Speaker Name: Louise Williams		
11:40	Spatial transcriptomics of developing flowers across time	Christobal Uauy	Spatially-resolved host-pathogen interactions across the lung	Josie Bryant - Sanger		
12:05	A Longer Look: Benchmarking Long-Read Sequencing for Single-cell Tanscriptomics	Anita Scoones	Pathogen Genomics in Maternal and Neonatal Health: Informing Targeted Interventions for Better Outcomes	Elita Jauneikaite - Imperial		
12:30	27. Spatiotemporal and Single-cell Sequencing of chicken trachea reveals differences in host Responses after Vaccination with Pathogenic and Attenuated Infectious Bronchitis Virus (IBV)	Dr Ge Wu	17. Genomic epidemiology of plasmids carrying the iuc5 locus and antimicrobial resistance genes in Escherichia coli and Klebsiella pneumoniae from One Health settings	Keira Cozens		
	Introducing Illumina Spatial Technology	Sponsor Talk - Illumina Andrew Slatter	37. 'PyamilySeq: Exposing the fragility of conventional gene (re) clustering and pangenomic inference methods'	Nicholas Dimonaco		
	Photo, Lunch and Poster Session II Epigenetics/Human & Clinical Genomics	Chair: Ania Piskorz	Microbial Communities & Microbiome	Chair: Nick Loman		
14.00-15.50	Epigenetics/ Human & Chinical Genomics	Chair. Ailia Fiskuiz	Microbial Communicies & Microbionie	Onder High Edition		
14:00	"NGS: What are you missing?"	Sponsor Talk - Dovetail Speaker Name: Miles Collier	Empowering Discovery: Agilent's Integrated Genomics Solutions for the Future of Precision Science	Sponsor Talk - Agilent Rahna Ayub		
14:10	Towards multi-modal liquid biopsies	Florent Mouliere	Resolving MAGs from complex microbiomes with long reads	Chris Quince (Earlham Institute)		

14:35	Barcoded ultra-long read sequencing for genetic exploration of cancer samples	Joe Fenwick	47. Making the most of microbiome biobanks: Enabling Cross-Cohort and Multi-Kingdom Analyses	Greg Young
	36. Understanding gene expression involved in immune response to SARS-CoV-2 Infection	Lee Murphy	38. Beyond Taxonomic Composition: Metagenomic Evidence for Functional Niche Displacement in the Rumen Microbiome.	Katie Lawther
	European Clinical Implementation of HiFi Coffee Break	Sponsor Talk - PacBio Riki Aydeniz	Metagenomics opportuntiies	Justin O'Grady
	Computational Biology	Chair: Sion Bayliss	Human & Clinical Genomics	Chair: Katherine Johnson
	Using rearrangement distances and historical samples to study plasmid evolution and epidemiology	Zamin Iqbal	Rapid genomic sequencing: Where are we and where are we going	Andy Parrish
	Machine Learning and Al approaches for understanding Prokaryotic Pangenomes	James McInerney - University of Liverpool	The Generation Study: Insights from the first year	Katie Handley - Genomics England
	49. Accurate bioinformatic host pangenome depletion using fast minimizer search	Bede Constantinides, University of Birmingham	19. Investigating mitochondrial DNA replication dynamics using thymidine analogues and ONT long read sequencing.	Katja Menger
17:05	Ultra-long Sequencing Reveals Structural Heterogeneity of Common Dicentric Chromosomes in Childhood Cancer	Eleanor Woodward	, , , ,	Sponsor Talk - Yourgene Health Speaker: Darren Marjenberg
17:20	Technology Platforms at the Earlham Institute: Research, Collaboration and Service	Alex McNeil, Earlham		

Friday 11 July					
Time	Title	Presenter			
G.41					
08:30-09:15	Coffee & Pastries				
09:15-11:05	New Methods in Genomics	Co-chairs: Sally James, Iain Macaulay			
09:15		Sponsor Talk - Element			
09:30	Towards nanopore proteomics: Single-molecule detection of post-translational modifications on full-length proteins	Yujia Qing			
09:55	Leveraging single-cell long-read sequencing and machine learning for therapeutic target identification	Adam Cribbs - University of Oxford			
	Revealing mechanisms of chemo-resistance and sensitisation with next generation lineage tracing technologies	Kirsty Sawicka - CRUK Cambridge			
	Reveal the power of the 6-base genome	Sponsor Talk - Biomodal			
	Coffee break				
11:30-12:30	reynotes	Chair: Michael Quail			
	Shining a light on the dark genome	Wendy Bickmore			
12:15	Lunch & end				