		(Afternoon)	
	Finish (GMT)		Presentation Details
12:00		Registration, Lunch and Networking	
13:30		Keynotes	
13:30		Lucy Burkitt-Gray (UK Biobank)	
14:00		Richard Durbin (University of Cambridge)	Insights from high quality genome sequencing across the tree of life
14:30		Evolving Technologies 1	Chair: Michael Quail, Wellcome Sanger Institute
14:30		Shawn Levy (Element)	
15:00		Jason Betley (Illumina)	Illumina Technical and Product Roadmap Update
15:30		Neil Ward (PacBio)	
16:00		Coffee Break	
16:30		Evolving Technologies 2	Chair: Michael Quail, Wellcome Sanger Institute
16:30		Andy Larrea (Ultima)	
17:00		JP Graham Hall (Oxford Nanopore)	
17:30		Speaker TBC (10X)	
18:00	19:30	Drinks Reception and Poster Session 1	
Wednesda	y 17th July 2	024	
Start (GMT)			
08:30	09:30	Coffee and Pastries	
Parallel Ses			
Start (GMT)	Finish (GMT)	Presenter	Presentation Details
09:30	11:00	Plant and Animal Genomics	Chair: TBC
09:30	09:55	Alex Cagan (University of Cambridge)	TBC
09:55	10:20	Gary Barker (University of Bristol)	Unlocking hidden genetic diversity in hexaploid bread wheat
10:20		Carla Canedo-Ribeiro (University of Kent)	New method to detect chromosomal reciprocal translocations using long-read sequencing
10:35	10:50	Francisco Rodriguez-Algarra (Queen Mary, University of	Ribosomal DNA Copy Number Variation Associates with Hematological Profiles and Renal
		London)	Function in the UK Biobank
10:50	11:00	Silver Sponsor Talk	New England Biolabs
11:05	11:30	Coffee Break	
11:30	13:05	Human & Clinical Genomics	Chair: Jonathan Coxhead, Newcastle University
11:30	11:55	Sandi Deans (University of Edinburgh)	TBC
11:55	12:20	Mike Hubank (Institute of Cancer Research, London)	TBC
12:20	12:35	Steven Hair (Newcastle University)	Utilising long-read sequencing approaches to detect structural variants of clinical significance in
			childhood cancer
12:35	12:50	Ania Piskorz (CRUK Cambridge Institute, University of	Unlocking the potential of FFPE cancer specimens in predicting response and effect of cytotoxic
		Cambridge)	therapy
12:50		Nicholas Timpson (University of Bristol)	Exome Sequencing of UK Birth Cohorts
13:00	14:00	Lunch and Poster Session II	
14:00	15:30	Epigenetics/Human & Clinical Genomics	Chair: Nick Loman, University of Birmingham
14:00		Areeba Patel (University of Heidelberg)	TBC
14:25		Alex de Mendoza (Queen Mary University of London)	Early Origins of Eukaryotic DNA Methylation Pathways
14:50	15:05	Hannah Trivett (University of Liverpool)	Clinical metagenomics can resolve pathogens to strain-level identification direct from stool
15:05	15:20	Aimee Hanson (University of Bristol)	Considering confounding in rare variant genome wide association studies
15:20	15:30	Silver Sponsor Talk	PacBio
15:35	16:00	Coffee Break	
16:00		Bioinformatics & Machine Learning in Genomics	Chair: Matt Loose, University of Nottingham
16:00		Rhydian Windsor (Oxford Nanopore)	TBC
16:25		Leonid Chindelevitch (Imperial College London)	Insights into AMR from large-scale genotypic and phenotypic data analysis
16:50	17:05	Tim Downing (Pirbright Institute)	Pangenome variation graph analysis reveals insights into livestock poxviruses
17:05	17:20	Micheal Hall (Peter Doherty Institute, Melbourne)	Benchmarking reveals superiority of deep learning variant callers on bacterial nanopore
		SU 0 = U	sequence data
17:20	17:30	Silver Sponsor Talk	Opertrons

Parallel Ses	sion B		
	Finish (GMT)	Presenter	Presentation Details
09:30		Evolutionary Genomics I	Chair: Jordi Paps Montserrat (University of Bristol)
09:30		Peter WH Holland (University of Oxford)	Darwin Tree of Life project: Evolutionary applications
09:55		Filipe Castro (CIIMAR/FCUP)	A Domino Effect? Of loss, duplication and novelty in a transition to the sea
10:10		Marta Farré-Belmonte (Kent)	The role of 3D chromosome folding in mammalian genome evolution
10:25		Tom Jenkins (Exeter)	Plastic versus adaptive responses to climate in barbastelle bats
10:40		Gold Sponsor Talk	Element Biosciences
11:05		Coffee Break	Element bioscicites
11:30		Microbes and Microbiomes I	Chair: Kate Baker, University of Cambridge
11:30		Alexandre Almeida (University of Cambridge)	TBC
11:55			TBC
		Lauren Cowley (University of Bath)	
12:20 12:35		Winnie Lee (Imperial College London)	Genomic population study of bloodstream Klebsiella spp. in 2020 in Southwest, UK Genomic Epidemiology of SARS-CoV-2 in Norfolk, UK, March 2020- December 2022
		Eleanor Hayles (Quadram Institute, Norwich)	
12:50		Silver Sponsor Talk	Oxford Nanopore
13:00		Lunch and Poster Session II	
14:00		Microbes and Microbiomes II	Chair: Sion Bayliss, University of Bristol
14:00		Alan Walker (University of Aberdeen)	Questioning the foetal microbiome illustrates pitfalls of low-biomass microbial studies
14:25		Lindsay Hall (University of Birmingham)	TBC
14:50		Alice Nisbett (Quadram Institute, Norwich)	The genomic switcheroo: characterising genome rearrangements within typhoidal infections
15:05		Kirsty Sands (University of Oxford)	Providencia in the fly microbiome acting as a reservoir of blaNDM carriage: A threat in the dissemination of antimicrobial resistance and infection?
15:20		Steven Rudder (Quadram Institute, Norwich)	Genomic diversity of non-typhoidal Salmonella found within patients suffering from gastroenteritis in Norfolk, UK
15:35		Coffee Break	
16:00	17:35	Evolutionary Genomics II	Chair: Jordi Paps Montserrat (University of Bristol)
16:00	16:25	Sandra Álvarez Carretero (University College London)	Bayesian methods to infer evolutionary timelines when deep divergences are present and larg genomic datasets used
16:25	16:50	Corey Kirkland (Kent)	Insights into population differences and polymorphic chromosome fusions in the waterbuck
16:50	17:05	Jialin Wei (Bristol)	Convergent Genome Evolution In The Conquest Of Land By Animals
17:05	17:20	Chris Clarkson (QMUL/UCL)	Characterising structural variation in known pathogenic STRs across genetic ancestries, germ-line instability events
17:20	17.25	Sarah Quigley (Kent)	and diseased cohorts Investigating mechanisms of genomic rearrangement in the human genome
Conference	Dinner - Bri	stol Harbour Hotel, The Sanisovo Room, Wed	s 17th [TICKETED]
Start (GMT)	Finish (GMT)	Event	
18:30	19:30	Arrival Drinks	
19:30	00:00	Banquetting Menu Dinner	
Thursday 1	8th July 202	<u> </u>	
tart (GMT)	Finish (GMT)		Presentation Details
09:30		Single Cell Genomics	Chair: Lia Chappell, University of Cambridge
09:30		Jimmy Lee (Wellcome Trust, Sanger)	Shared molecular vulnerabilities of human cortical neurons in C9ORF72 Amyotrophic Lateral Sclerosis
09:55	10:20	Rebecca Berrens (University of Oxford)	TBC
10:20		Christos Proukakis (UCL)	The somatic CNV landscape of the Parkinson's disease brain at single cell resolution
10:35		Simon Cockell (Newcastle University)	Geographically weighted methods for spatial transcriptomics data analysis
10:50		Sponsor Talk	Parse Genomics
11:05		Coffee Break	i disc scholling
11:30		Keynotes	The
11:30		Deborah Williamson (UK Health Security Agency)	TBC
12:00		Matt Brown (Genomics England)	Improving Diagnostic Rates for Rare Diseases – the Genomics England program
12:30	THE END	Lunch and leaving	