Tuesday 16	5th July 2024	- LT1 (Afternoon)	
Start (GMT)	Finish (GMT)	Presenter	Presentation Details
12:00	13:30	Registration, Lunch and Networking	
13:30	14:30	Keynotes	Chair: Nick Loman, University of Bristol
13:30	14:00	Lucy Burkitt-Gray (UK Biobank)	Massive-scale whole genome sequencing: Insights from the UK Biobank
14:00	14:30	Richard Durbin (University of Cambridge)	Insights from high quality genome sequencing across the tree of life
14:30	16:00	Evolving Technologies 1	Chair: Michael Quail, Wellcome Sanger Institute
14:30	15:00	Shawn Levy (Element)	TBD
15:00	15:30	Jason Betley (Illumina)	Illumina Technical and Product Roadmap Update
15:30	16:00	Neil Ward (PacBio)	TBD
16:00	16:30	Coffee Break	
16:30	18:00	Evolving Technologies 2	Chair: Michael Quail, Wellcome Sanger Institute
16:30		Andy Larrea (Ultima)	Ultima Genomics UG100: A flexible, low-cost, scalable sequencing solution
17:00		Graham Hall (Oxford Nanopore)	TBD
17:30		Nicola Cahill (10x Genomics)	The application of single cell & spatial technologies to study the tumor microenvironment
18:00	19:30	Drinks Reception and Poster Session 1	
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Wednesda	y 17th July 2	024	
Start (GMT)			
08:30		Coffee and Pastries	
36.30	05.30	2325 00 . 0.000	
Parallol Soc	sion A - LT2		
		Presenter	Presentation Details
	Finish (GMT)		
09:30		Plant and Animal Genomics	Chair: Al Darby, University of Liverpool
09:30		Alex Cagan (University of Cambridge)	TBC
09:55		Gary Barker (University of Bristol)	Unlocking hidden genetic diversity in hexaploid bread wheat
10:20	10:35	Francisco Rodriguez-Algarra (Queen Mary, University of London)	Ribosomal DNA Copy Number Variation Associates with Hematological Profiles and Renal Function in the UK Biobank
10.25	10.50	·	
10:35 10:50		Carla Canedo-Ribeiro (University of Kent) Silver Sponsor Talk	New method to detect chromosomal reciprocal translocations using long-read sequencing  New England Biolabs: UltraExpress™: Streamlined library prep for RNA and DNA samples from
10.50	11.00	Silver Sportsor Talk	New England Biolabs
11:05	11.30	Coffee Break	New Eligianu biolaus
			Chaire Innathon Carlosed Novementa University
11:30		Human & Clinical Genomics	Chair: Jonathan Coxhead, Newcastle University
11:30		Sandi Deans (University of Edinburgh)	Ensuring a high quality NGS clinical service TBC
11:55		Mike Hubank (Institute of Cancer Research, London)	
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
12.55	12.50	Cambridge)	therapy
12:50	13:05	Nicholas Timpson (University of Bristol)	Exome Sequencing of UK Birth Cohorts
13:00		Photo, Lunch and Poster Session II	Exercise sequenting of on sixth contents
14:00		Epigenetics/Human & Clinical Genomics	Chair: Ania Piskorz, CRUK Cambridge Institute University of Cambridge
14:00		Areeba Patel (University of Heidelberg)	Methylation based classification of diagnostically relevant tumour classes
14:25		Alex de Mendoza (Queen Mary University of London)	Early Origins of Eukaryotic DNA Methylation Pathways
14:50		Hannah Trivett (University of Liverpool)	Clinical metagenomics can resolve pathogens to strain-level identification direct from stool
15:05		Aimee Hanson (University of Bristol)	Considering confounding in rare variant genome wide association studies
15:20		Silver Sponsor Talk	Pacific Biosciences
15:35		Coffee Break	Tacine biosciences
			Chair: Matt Loose University of Nottingham
<b>16:00</b> 16:00		Bioinformatics & Machine Learning in Genomics Rhydian Windsor (Oxford Nanopore)	Chair: Matt Loose, University of Nottingham  Generative Modelling of Nanopore Signals
		Leonid Chindelevitch (Imperial College London)	Insights into AMR from large-scale genotypic and phenotypic data analysis
16:25			
16:50		Tim Downing (Pirbright Institute)	Pangenome variation graph analysis reveals insights into livestock poxviruses  Adaptive Sampling on Promoth ION: Soaring Close to the Sup with Jearnet and Poadfich
17:05 17:20		Rory Munro (University of Nottingham) Silver Sponsor Talk	Adaptive Sampling on PromethION: Soaring Close to the Sun with Icarust and Readfish Opentrons
17.20	17.30	Sirver Sportsor runk	- penalana

Parallel Ses	sion B - LT2		
Start (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	
11:30		Microbes and Microbiomes I	Chair: Kate Baker, University of Cambridge
11:30		Alexandre Almeida (University of Cambridge)	TBC
11:55		Lauren Cowley (University of Bath)	Using phylogeographical signal of Salmonella enterica serovar Enteritidis to train a hierarchical machine learning model to rapidly predict source attribution
12:20	12:35	Winnie Lee (Imperial College London)	Genomic population study of bloodstream Klebsiella spp. in 2020 in Southwest, UK
12:35	12:50	Eleanor Hayles (Quadram Institute, Norwich)	Genomic Epidemiology of SARS-CoV-2 in Norfolk, UK, March 2020- December 2022
12:50		Silver Sponsor Talk	Oxford Nanopore
13:00		Lunch and Poster Session II	
14:00		Microbes and Microbiomes II	Chair: Nick Loman, University of Birmingham
14:00		Alan Walker (University of Aberdeen)	Questioning the foetal microbiome illustrates pitfalls of low-biomass microbial studies
14:25	14:50		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
15:20		Steven Rudder (Quadram Institute, Norwich)	dissemination of antimicrobial resistance and infection?  Genomic diversity of non-typhoidal Salmonella found within patients suffering from
15:35		Coffee Break	gastroenteritis in Norfolk, UK
			Chaire Ciare Banding University of Builded
<b>16:00</b> 16:00		Evolutionary Genomics II Sandra Álvarez Carretero (University College London)	Chair: Sion Bayliss, University of Bristol  Bayesian methods to infer evolutionary timelines when deep divergences are present and large
16:25	16.50	Jialin Wei (Bristol)	genomic datasets used  Convergent Genome Evolution In The Conquest Of Land By Animals
16:50		Chris Clarkson (QMUL/UCL)	Characterising structural variation in known pathogenic STRs across genetic ancestries, germ-lin
16.50	17.03	CHITS Clarksoff (QIVIOL/OCL)	instability events and diseased cohorts
17:05	17:20	Sarah Quigley (Kent)	Investigating mechanisms of genomic rearrangement in the human genome
17:20		Silver Sponsor Talk	CS Genetics
Conference	Dinner - Bri	stol Harbour Hotel, The Sanisovo Room, Weds	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	4 - LT1 (Morning)	
	Finish (GMT)		Presentation Details
08:30		Coffee and Pastries	Trescritation Details
		Single Cell Genomics	Chair: Lia Channell University of Cambridge
<b>09:30</b> 09:30		5	Chair: Lia Chappell, University of Cambridge  Shared molecular vulnerabilities of human cortical neurons in C9ORF72 Amyotrophic Lateral
		Jimmy Lee (Wellcome Trust, Sanger)	Sclerosis
09:55		Rebecca Berrens (University of Oxford)	Study transposable elements at single molecule level in single cells to understand their role in gene regulation.
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 Biosciences: Smash the Limits of Single Cell Sequencing with Parse Biosciences
11:05		Coffee Break	
11:30		Keynotes	Chair: Michael Quail, Wellcome Sanger Institute
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
12.20	THE END	Lunch and leaving	