Tunnelaures	4h 1l. 2024	(Afternoon)	
		(Afternoon)	Provented to Policillo
	Finish (GMT)		Presentation Details
12:00		Registration, Lunch and Networking	
13:30		Keynotes	
13:30		Lucy Burkitt-Gray (UK Biobank) Richard Durbin (University of Cambridge)	Insights from high quality genome sequencing across the tree of life
14:00			
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	
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	17th July 2	024	
	Finish (GMT)	C-WIDId	
08:30	09:30	Coffee and Pastries	
D # 15			
Parallel Ses			
Start (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		Gary Barker (University of Bristol)	Unlocking hidden genetic diversity in hexaploid bread wheat
10:20	10:35	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		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
42.50	42.05	Cambridge)	therapy
12:50		Nicholas Timpson (University of Bristol) Lunch and Poster Session II	Exome Sequencing of UK Birth Cohorts
13:00			Chair Mich Lawren Hairanita of Discription
14:00		Epigenetics/Human & Clinical Genomics	Chair: Nick Loman, University of Birmingham TBC
14:00		Areeba Patel (University of Heidelberg) Alex de Mendoza (Queen Mary University of London)	
14:25 14:50			Early Origins of Eukaryotic DNA Methylation Pathways Clinical metagenomics can resolve pathogens to strain-level identification direct from stool
		Hannah Trivett (University of Liverpool)	Considering confounding in rare variant genome wide association studies
15:05		Aimee Hanson (University of Bristol)	
15:20 15:35		Silver Sponsor Talk Coffee Break	PacBio
15:35			Chaire Matt Loose University of Nothingham
16:00 16:00		Bioinformatics & Machine Learning in Genomics Mike Vella (Oxford Napopere)	Chair: Matt Loose, University of Nottingham
		Mike Vella (Oxford Nanopore)	Insights into AMR from large-scale genotypic and phenotypic data analysis
16:25		Leonid Chindelevitch (Imperial College London) Tim Downing (Pirbright Institute)	
16:50 17:05		Micheal Hall (Peter Doherty Institute, Melbourne)	Pangenome variation graph analysis reveals insights into livestock poxviruses Benchmarking reveals superiority of deep learning variant callers on bacterial nanopore
17.05	17.20	wherear rian (i ever policity institute, Melbourne)	sequence data
17:20	17:30	Silver Sponsor Talk	Opertrons
	230		-p

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	