

Date	Type	Session topic	Speaker name	Topic
29-Jul	Day 1	Welcome and Intro	Chair: Lynn & local host	Sessions Chair
29-Jul	Keynote	Keynote	Ewan Birney	The opportunities and challenges of data and AI in the life sciences. A view from EMBL
29-Jul	Talk	20/30yrs of Genomes/GSC	Owen White	A historical perspective on microbial genome sequencin
29-Jul	Talk	20/30yrs of Genomes/GSC	Nikos Kyrpides	The role of the GSC during the sequencing revolution
29-Jul	Sponsor Talk	Sponsor: Zymo	Kris Locken	Accurate Microbiome Profiling from the Toughest Samples
29-Jul		Comfort Break		
29-Jul	Talk	20/30yrs of Genomes/GSC	Guy Cochrane	Securing the next 30 years of genomes and genome standards
29-Jul	Talk	20/30yrs of Genomes/GSC	Ilene Mizrachi	GSC partnerships - INSDC
29-Jul	Talk	20/30yrs of Genomes/GSC	Saurabh Raghuvanshi	Data formats and sharing: Evolving scenario at national level (India)
29-Jul	Sponsor Talk	Sponsor: Sequin Standards Inc	Shawn Levi	Sequins: the future of genomics data quality.
29-Jul		Lunch		
29-Jul	Talk	Dawn Field awardee	James Fellows Yates	The importance of community in the development of ancient DNA metadata standards
29-Jul	Talk	Expanding the GSC	Neil Davies	Omic BON: biomolecular metadata from samples to places
29-Jul	Talk	Expanding the GSC	Tobias Guldberg Frøslev	GBIF and DNA-associated biodiversity data – status and future plans
29-Jul	Talk	Expanding the GSC	Kerstin Howe	Genomics standards for eukaryotic biodiversity sequencing
29-Jul		Comfort Break		
29-Jul	Panel			With hind sight, what could have been done differently over the last 20/30yrs?
29-Jul		WELCOME RECEPTION & BBQ		
Date	Type	Session topic	Speaker name	Topic
30-Jul	Service	Welcome		Session Chair
30-Jul	Keynote	Keynote	Thulani Makhalanyane	Towards standardized genomics for African Microbiome Research
30-Jul	Talk	GSC standards	Sierra Moxon	Permissible Value Sets for MixS Environmental Contexts: A LinkML Approach in NMDC
30-Jul	Talk	GSC standards	Philipp Muench	A platform facilitating MixS-compliant metadata collection and data generation for microbial omics projects
30-Jul	break	Comfort Break		
30-Jul	Talk	GSC standards	Peter Woolard	It's Only FAIR: A pathway for sequence databases to improve interoperation with standards organisations
30-Jul	Talk	GSC standards	Chris Kent	Data Standards for Multiplex Amplicon Sequencing
30-Jul	Talk	GSC standards	Emma Griffiths	Fixing the plumbing: Building interoperability between wastewater genomic surveillance datasets and systems using the PHA4GE contextual data specification
30-Jul	Talk	eDNA	Miwa Takihashi	The FAIR eDNA (FAIRe) checklist: Towards consistent and reusable environmental DNA data
30-Jul	break	Lunch		
30-Jul	Talk	eDNA	Lynsey Harper	A framework for assessing confidence in metabarcoding assays and results
30-Jul	Talk	eDNA	Alexios Loukas and Nefeli K. Venetsianou	CCMRI and Sample Matcher: Leveraging Metagenomic Data for Climate Change Research
30-Jul	Talk	other	Tim Van Den Bossche	RDA-MOMSI
30-Jul	Talk	other	Fumito Maruyama	Standardizing Genomic Approaches for Portable Bioaerosol Microbiome Analysis
30-Jul	break	Comfort Break		
30-Jul	Talk	GSC standards - current status	Chris Hunter	Update on GSC ongoing works over the last 12 months
30-Jul	Tutorial	new checklists	Chris Hunter	The GSC operational SOPs
Date	Type	Session topic	Speaker name	Session Chair
31-Jul	Service	Welcome		Session Chair
31-Jul	Keynote	Future of Genomics and Standards	Lara Urban	Squiggles to the rescue – Nanopore sequencing and Antimicrobial resistance
31-Jul	Talk	Future of Genomics and Standards	Maaly Nassar	AI-Driven Mutation Discovery: Linking Literature, Ontologies, and Patient Genomics for Precision Gene Therapy.
31-Jul	Talk	Future of Genomics and Standards	Kasthuri Venkateswaran	Advancing shotgun metagenomics and digital PCR assays to meet future Planetary Protection requirements.
31-Jul	Talk	Future of Genomics and Standards	Yuriy Skripchenko	SRA: Modernization and improved data quality
31-Jul	break	Comfort Break		
31-Jul	Talk	Innovations in Genomics and Standards	Claire Rye	Building a genomic data repository for taonga (treasured) species in Aotearoa New Zealand.
31-Jul	Talk	Innovations in Genomics and Standards	Ally Dunham	Standardisation and joint analysis of 1,954 multiplexed assays of variant effect
31-Jul	Talk	Innovations in Genomics and Standards	Fergal Martin	Current and future directions of genome annotations and their standards
31-Jul	Talk	Innovations in Genomics and Standards	Jonathan Jacobs	TBC
31-Jul	Talk	Innovations in Genomics and Standards	Krista Ryon	TBC
31-Jul	break	Lunch		
31-Jul	hand off		Claire Rye	Hand off the GSC 2026 Organising committee
31-Jul	Panel			Where are we going to be in another 20-30yrs?
31-Jul	break	Comfort Break		
31-Jul	Panel	Working groups		Technical working group working session