



Program-at-a-Glance
23rd Genomic Standard Consortium Meeting Bangkok Thailand
Genomic Standards for Precision Medicine, Agriculture,
Comparative Genomics, and Metabolomics
Location: Siriraj Hospital Mahidol University and the National Center for Genetic Engineering and Biotechnology



	Tuesday 8th Aug	Wednesday 9th Aug	Thursday 10th Aug
9:00	Welcome, Open GSC22, Introduction to the GSC	Daily announcements	Daily announcements
9:15	Keynote: Personalized Medicine - Leslie Biesecker (NIH/NHGRI, USA)	Keynote: Standards in Metabolomics - Claire O'Donovan (EMBL-EBI, UK)	Dawn Field award speaker slot (Montana on SIP checklists?)
9:30			5.1. GSC Compliance and Interoperability Working Group Update - Ramona Walls / Chris Hunter
9:45			5.2. A Social and Technical implementation of LinkML by GSC and NMDC - Mark Miller (LBNL)
10:00	1.1. Curating Clinical Genomes - Manop Pithukpakorn	3.1. Metabolomics standards in clinical research- Sakda Khoomrung (Siriraj Hospital Mahidol University, Thailand)	5.3. A new MIXS package (TBC) UroBiome
10:15	1.2. Human Cell Atlas: Putting together reference transcriptomes of all human cells - Varodom Charoensawan	3.2. Standardization of fecal sample collection for metabolic and microbiome profiling - Jutarop Phetcharaburanin	6.2. New Microbial Reference Standards - Scott Jackson (NIST)
10:30	1.3. FAIR Principles - Susanna-Assunta Sansone	3.3. Metabolomics for agriculture applications - Umaporn Uawisetwathana	
10:45	S.1. GSC23 Platinum Sponsors talk: [Oxford Nanopore - Thidathip Wongsurawat, Title: Oxford Nanopore - Game-changer in Epigenetics]	3.4. Standards in Metabolomics - Yuri Corilo	S.5. GSC23 Platinum Sponsors talk: GenePlus
11:00	Tea, Coffee & Networking	Tea, Coffee & Networking	Tea, Coffee & Networking
11:15			
11:30	S.2. GSC23 Platinum Sponsors talk: RI Technologies	S.3. GSC23 Platinum Sponsors talk: [Waters - YanTing Lim, Title: Waters' solutions for Omics Analysis]	6.1 Microbiome talk - Naraporn Somboonna (Chulalongkorn University, Thailand)
11:45	2.1. Journal perspective: Gigascience - Chris Hunter (UK)	4.1. Standardization of next-generation sequencing method to study gut microbial diversity in shrimp - Wanilada Rungrasamee	6.2. Microbial Comparative Genomics (MGE Standards: viruses and plasmids) - Nikos Krypides (JGI)
12:00	2.2. Database perspective: EBI Resources – Pete Woolard (ENA, EMBL-EBI, UK)	4.2 Technical Strategies for Complex Low Biomass Microbiome Samples Scott Tighe (University of Vermont)	6.3. Towards producing representative genome catalogues for microbial communities -Rob Finn (EBI)
12:15	2.3. Database perspective: The DDBJ resources based on standards - Kyung-Bum Lee (Japan)	4.3. Obligate insect symbionts: insights from new genome sequences and possible standards for these tiny genomes- Tonja Woyke (JGI),	6.4. The Genome Taxonomy Database (GTDB) initiative to establish a standardised microbial taxonomy - Phil Hugenholtz (Uni Queensland)
12:30	2.4. Database perspective: National Genomics Data Center - Yiming Bao (China) [virtual]	4.4. Standards that apply to space genomics, detection, planetary protection - Kasthuri Venkateswaran (JPL, NASA)	GSC24 Handoff - GSC24 Tucson, Arizona
12:45	Group Photo	S.4. GSC23 Platinum Sponsors talk: Zymo - Kris Locken	
13:00	Lunch and Networking	Lunch and Networking	
13:15			
13:30			
13:45			
14:00	Working group sessions: (1) GSC Compliance and Interoperability Working Group, OR (2) Standards in Personalised Medicine	Working group sessions day 2: (3) NMDC Workshop, OR (4) Metabolomics Standards, OR (5) Standardised protocols	Working group sessions day 3: (6) Standardising Open Microbiome Data analysis and workflow sharing to further federated resource development
14:15			
14:30			
14:45			
15:00			
15:15	Tea, Coffee & Networking	Tea, Coffee & Networking	
15:30			
15:45			
16:00			
16:15	Working group sessions continued: (1) GSC Compliance and Interoperability Working Group, OR (2) Standards in Personalised Medicine	Working group sessions continued: (3) NMDC Workshop, OR (4) Metabolomics Standards, OR (5) Standardised protocols	
16:30			
16:45			
17:00			
Mon Aug 7th	Student Education Day (8am - 1pm) Welcome to GSC23 Drinks Reception (All welcome)		All day Hands on Workshop - MGnify All day Hands on Workshop - Nanopore Sequencing
			Fri Aug 11th