

**Hybrid Conference Programme**

Start (BST)	Finish (BST)	Presenter details
<b>Wednesday, 3 May 2023</b>		
<b>11:30</b>	<b>12:50</b>	<b>Registration, lunch and networking</b>
12:30	12:45	Briefing for Keynote & Session 1 speakers, microphone runners, chair, moderator & committee - Auditorium
<b>12:50</b>	<b>13:00</b>	<b>Welcome</b>
		<p><b>Scientific Programme Committee:</b>  <a href="#">Alan Christoffels South African National Bioinformatics Institute, South Africa</a>  <a href="#">Jennifer Gardy Bill and Melinda Gates Foundation, USA</a>  <a href="#">Nick Loman University of Birmingham, UK</a>  <a href="#">Senjuti Saha Child Health Research Foundation (CHRF), Bangladesh</a></p>
<b>13:00</b>	<b>14:00</b>	<b>Keynote 1</b>
		<p>Chair: Jennifer Gardy Bill and Melinda Gates Foundation, USA  Moderator: Alan Christoffels South African National Bioinformatics Institute, South Africa</p> <p>Genomic tracking of <i>Candida auris</i>, an emerging fungal pathogen  <a href="#">Julie Segre, NIH - National Human Genome Research Institute, USA</a></p>
14:00	14:05	Comfort break
<b>14:05</b>	<b>15:35</b>	<b>Session 1: New approaches in bioinformatics</b>
		<p>Chair: Alan Christoffels South African National Bioinformatics Institute, South Africa  Moderator: Jennifer Gardy Bill and Melinda Gates Foundation, USA</p>
14:05	14:35	<p>USHER: pandemic-scale phylogenetics for SARS-CoV-2 and beyond  <a href="#">Angie Hinrichs, University of California, Santa Cruz, USA</a></p>
14:35	15:05	<p>Exploring virus sequence with genome graphs  <a href="#">Moses Njagi Mwaniki, University of Pisa, Italy</a></p>
15:05	15:20	<p>Mutational spectra are associated with pathogen niche  Chris Ruis, University of Cambridge, UK</p>
15:20	15:35	<p>Implementation and operationalization aspects of omics machine learning applications for public health  Julie Chih-yu Chen, National Microbiology Laboratory, Canada</p>
15:35	16:15	Refreshment break and networking
16:00	16:15	Briefing for Session 2 speakers, microphone runners, chair & moderator - Auditorium
<b>16:15</b>	<b>17:30</b>	<b>Session 2: Genomic epidemiology in the field</b>
		<p>Chair: Senjuti Saha Child Health Research Foundation (CHRF), Bangladesh  Moderator: Nick Loman University of Birmingham, UK</p>
16:15	16:30	<p>Antimicrobial Resistance in sub-Saharan Africa: a one health problem? Insights from genomic analysis of community carriage extended spectrum beta-lactamase producing <i>Escherichia coli</i> from Uganda and Malawi  Patrick Musicha, Malawi-Liverpool-Wellcome Programme, Malawi</p>
16:30	16:45	<p>Genomic profiling &amp; phylogenomics of <i>Escherichia coli</i> to understand the epidemiology in children population from village community in Ujjain, India  Geetha Nagaraj, Central Research Laboratory, India</p>
16:45	17:00	<p>Enteropathogenic <i>Escherichia coli</i> (EPEC) isolated in Nigeria appears to be lineage-specific.  Olabisi Akinlabi, University of Ibadan, Nigeria</p>
17:00	17:15	<p>Vancomycin-resistance transposon typing improves phylogenetic investigation of ongoing <i>Enterococcus faecium</i> outbreaks in an academic hospital  Sébastien Matamoros, Amsterdam-UMC, Netherlands</p>
17:15	17:30	<p>Multidrug resistant <i>E. coli</i> in poultry from live bird markets in Bangladesh  Thomas Chisnall, Animal and Plant Health Agency, UK</p>
<b>17:30</b>	<b>18:25</b>	<b>Poster pitch talks for odd number posters</b>
<b>18:25</b>	<b>19:30</b>	<b>Poster session 1 - odd number posters with drinks reception</b>
19:30	21:00	Dinner
		Bar open (card payments only)

**Thursday, 4 May 2023**

07:30	09:00	Breakfast
09:15	09:30	Briefing for Session 3 speakers, microphone runners, chair & moderator - Auditorium
<b>09:30</b>	<b>11:00</b>	<b>Session 3: Public health genomics part 1</b>
		<i>Chair: Senjuti Saha Child Health Research Foundation (CHRF), Bangladesh</i> <i>Moderator: Alan Christoffels South African National Bioinformatics Institute, South Africa</i>
09:30	10:00	Facing the next pandemic: lessons learned from Sri Lanka <a href="#">Neelika Malavige, University of Sri Jaywardenepura, Sri Lanka</a>
10:00	10:30	Genomics in public health in Argentina: a new paradigm <i>Josefina Campos, National Genomics and Bioinformatics Center-ANLIS Malbran, Argentina</i>
10:30	10:45	Australian Pathogen Genomics Program: National implementation of pathogen genomics into public health in a federated nation <i>Patryan Andersson, The Peter Doherty Institute for Infection and Immunity, Australia</i>
10:45	11:00	Estimation of Mycobacterium tuberculosis transmission risks from routine whole-genome sequencing and enhanced surveillance data: a cohort study <i>Esther Robinson, UK Health Security Agency, UK</i>
11:00	11:45	Refreshment break and networking
11:30	11:45	Briefing for Session 4 speakers, microphone runners, chair & moderator - Auditorium
<b>11:45</b>	<b>12:45</b>	<b>Session 4: Public health genomics part 2</b>
		<i>Chair: Jennifer Gardy Bill and Melinda Gates Foundation, USA</i> <i>Moderator: Senjuti Saha Child Health Research Foundation (CHRF), Bangladesh</i>
11:45	12:00	The RISE of FAIR and respectful genomics <i>Dieter Bulach, Monash University, Australia</i>
12:00	12:15	Development of phylodynamic approaches for enteric pathogens of public health importance <i>Danielle Ingle, The University of Melbourne, Australia</i>
12:15	12:30	Genomic structural variations drive phenotypic diversity among bordetella pertussis <i>Andrew Preston, University of Bath, UK</i>
12:30	12:45	Genomics of Staphylococcus aureus colonization and extinction on humans <i>Timothy Read, Emory University, USA</i>
<b>12:45</b>	<b>13:00</b>	<b>Pitch talks for bioinformatics showcase</b>
13:00	14:15	Lunch
<b>14:15</b>	<b>15:30</b>	<b>Bioinformatics showcase with refreshments</b>
15:15	15:30	Briefing for Session 5 speakers, microphone runners, chair & moderator - Auditorium
<b>15:30</b>	<b>17:00</b>	<b>Session 5: Metagenomics for surveillance</b>
		<i>Chair: Nick Loman University of Birmingham, UK</i> <i>Moderator: Senjuti Saha Child Health Research Foundation (CHRF), Bangladesh</i>
15:30	16:00	Are we ready for metagenomics surveillance? <a href="#">Meera Chand, UK Health Security Agency, UK</a>
16:00	16:30	Detection and sequencing of pathogens in wastewater: technical challenges and public health value <a href="#">Nick Grassly, Imperial College, UK</a>
16:30	16:45	Unveiling the global urban virome: Insights from sewage metagenomics <i>Nathalie Worp, Erasmus Medical Center, Netherlands</i>
16:45	17:00	Metagenomics-enabled transmission inference <i>Gerry Tonkin-Hill, University of Oslo, Wellcome Sanger Institute, Norway</i>
<b>17:00</b>	<b>17:55</b>	<b>Poster pitch talks for even number posters</b>
<b>17:55</b>	<b>18:10</b>	<b>Sponsored talk by Chan Zuckerberg Initiative Foundation</b>
<b>18:10</b>	<b>19:40</b>	<b>Poster session 2 - even number posters, with drinks reception</b> <b>Sponsored by Chan Zuckerberg Initiative Foundation</b>
19:40	21:00	Dinner
		Bar open (card payments only)

**Friday, 5 May 2023**

07:30	09:00	Breakfast
09:15	09:30	Briefing for Session 6 speakers, microphone runners, chair & moderator - Auditorium
<b>09:30</b>	<b>10:45</b>	<b>Panel discussion - Preparing for the next pandemic</b>
		<p>Chair: <i>Jennifer Gardy Bill and Melinda Gates Foundation, USA</i></p> <p>Moderator: <i>Nick Loman University of Birmingham, UK</i></p> <p><i>Josefina Campos, National Genomics and Bioinformatics Center-ANLIS Malbran, Argentina</i>  <a href="#">Alan Christoffels South African National Bioinformatics Institute, South Africa</a>  <a href="#">Bill Hanage, Harvard University, USA</a>  <a href="#">Emma Hodcroft, Institute of Social and Preventive Medicine, Switzerland</a>  <a href="#">Neelika Malavige, University of Sri Jayawardenepura, Sri Lanka</a>  <a href="#">Julie Segre, NIH - National Human Genome Research Institute, USA</a></p>
10:45	11:30	Refreshment break and networking
11:15	11:30	Briefing for Keynote, microphone runners, chair, moderator & committee - Auditorium
<b>11:30</b>	<b>12:15</b>	<b>Keynote</b>
		<p>Chair: <i>Alan Christoffels South African National Bioinformatics Institute, South Africa</i></p> <p>Moderator: <i>Nick Loman University of Birmingham, UK</i></p> <p>Genomic surveillance for public health: Keeping the momentum  <a href="#">Chikwe Ihekweazu, WHO Hub for Pandemic and Epidemic Intelligence, Germany</a></p>
<b>12:15</b>	<b>12:30</b>	<b>Closing remarks and prize presentation</b>
		<p><b>Scientific Programme Committee:</b></p> <p><i>Alan Christoffels South African National Bioinformatics Institute, South Africa</i>  <i>Jennifer Gardy Bill and Melinda Gates Foundation, USA</i>  <i>Nick Loman University of Birmingham, UK</i>  <i>Senjuti Saha Child Health Research Foundation (CHRF), Bangladesh</i></p>
12:30	13:30	Lunch and departures
13:30		Coach departures for Stansted and Heathrow airports
13:40		Coach departures for Cambridge train station and city centre