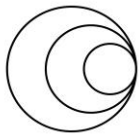


Hybrid Conference Programme

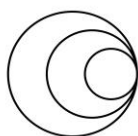
Start (GMT)	Finish (GMT)	Presenter details
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Wednesday 13 March 2024

12:00	12:50	Registration, lunch and networking
12:35	12:50	<i>Briefing for Keynote & Session 1 speakers, microphone runners, chair, moderator & committee - Auditorium</i>
12:50	13:00	Welcome <i>Scientific Programme Committee:</i> <i>Kate Baker, University of Cambridge, UK</i> <i>Sylvain Brisse, Institut Pasteur, France</i> <i>Sabiha Essack, University of KwaZulu-Natal, South Africa</i> <i>Yonatan Grad, Harvard University, USA</i>
13:00	14:00	Keynote 1 <i>Chair: Yonatan Grad, Harvard University, USA</i> <i>Moderator: Kate Baker, University of Cambridge, UK</i>
13:00	14:00	Legal and Social Ecologies of Resistance <i>Kevin Outterson, Boston University, USA</i>
14:00	14:05	Comfort break
14:05	15:45	Session 1: Measuring the Burden of AMR <i>Chair: Stephanie Wai-U Lo, Wellcome Sanger Institute, UK</i> <i>Moderator: Kate Baker, University of Cambridge, UK</i>
14:05	14:35	Measuring the burden of AMR and beyond <i>Catrin Moore, St. George's, University of London, UK</i>
14:35	15:05	From Advocacy to Reliable Estimates: Unpacking the Global Burden of Antimicrobial Resistance <i>Silvia Bertagnolio, World Health Organization, Switzerland</i>
15:05	15:20	Acquisition and persistence of Extended-spectrum beta-lactamase (ESBL) and Carbapenem resistant (CRE) Escherichia coli carriage in hospitalized Kenyan children <i>Caroline Chepngeno Tigo Kipngeno, KEMRI/Wellcome Trust Research Programme, Kenya</i>
15:20	15:35	Rethinking how to quantify and interpret health impact of antimicrobial resistant infections in resource-limited settings <i>Cherry Lim, University of Oxford, UK</i>
15:35	15:45	Session discussion
15:45	16:20	Refreshment break and networking



16:05	16:20	Briefing for Session 2 speakers, microphone runners, chair & moderator - Auditorium
16:20	18:00	Session 2: Global public health pathogen genomics infrastructure
		<i>Chair: Sylvain Brisse, Institut Pasteur, France</i> <i>Moderator: Yonatan Grad, Harvard University, USA</i>
16:20	16:50	Genomic Surveillance and Characterization of Microbial Threats Facilitates Early Detection and Containment of Disease Outbreaks in West Africa <i>Christian Happi, Redeemer's University, Nigeria</i>
16:50	17:20	Maximising value of genomic and enabling data for surveillance of AMR: Bottom-up and top-down approaches <i>David Aanensen, Oxford University, UK</i>
17:20	17:35	AMRnet: An online dashboard for global surveillance of AMR priority pathogens <i>Zoe A. Dyson, London School of Hygiene and Tropical Medicine, UK</i>
17:35	17:50	The (overly?) ambitious plan to integrate genomics and patient data in the surveillance of infectious disease and AMR in Belgium: Experiences from the be.Prepared Project <i>Pieter-Jan Ceysens, Sciensano, Belgium</i>
17:50	18:00	Session discussion
18:00	18:45	Poster pitch talks for odd number posters
18:45	19:55	Poster session 1 - odd number posters with drinks reception
19:55	21:55	Dinner
19:55		Bar open (card payments only)



Thursday 14 March 2024

07:30 09:00 Breakfast

09:15 09:30 Briefing for Session 3 speakers, microphone runners, chair & moderator - Auditorium

09:30 11:10 Session 3: Genomic surveillance of priority pathogens

Chair: Sylvain Brisse, Institut Pasteur, France

Moderator: Kate Baker, University of Cambridge, UK

09:30 10:00 Impact of typhoid conjugate vaccine

Farah Naz Qamar, Aga Khan University, Pakistan

10:00 10:30 The impact of Pneumococcal Conjugate Vaccines on Antimicrobial Resistance in Pneumococcal Diseases

Stephanie Wai-U Lo, Wellcome Sanger Institute, UK

10:30 10:45 Plasmids carrying antibiotic resistance genes are special: they are more mobile and they evolve faster

Charles Coluzzi, Institut Pasteur, France

10:45 11:00 Genomic insights into the longitudinal transmission of *Neisseria gonorrhoeae*

Mona Taouk, University of Melbourne, Australia

11:00 11:10 Session discussion

11:10 11:45 Refreshment break and networking

11:30 11:45 Briefing for Session 4 speakers, microphone runners, chair & moderator - Auditorium

11:45 13:25 Session 4: Translation and implementation of genomics for AMR control

Chair: Kate Baker, University of Cambridge, UK

Moderator: Sylvain Brisse, Institut Pasteur, France

11:45 12:15 Adventures in AMR genomics at the clinical and public health microbiology coalface

Norelle Sherry, University of Melbourne, Australia

12:15 12:45 Leaving Pasteur and Fleming behind by implementing genomic-based surveillance for AMR

Rene Hendriksen, Technical University of Denmark, Denmark

12:45 13:00 Increasing the Predictive Accuracy of the Resistance Gene Identifier by Abandoning Sole Reliance on Bitscore

Karyn Mukiri, McMaster University, Canada

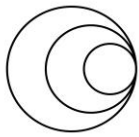
13:00 13:15 Genomic epidemiology of strain and antibiotic resistance dynamics for four major causes of bacteremia in a Canadian metropolitan area, 2006-2022

Thi Mui Pham, Harvard T.H. Chan School of Public Health, USA

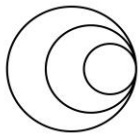
13:15 13:25 Session discussion

13:25 14:45 Lunch and networking

14:30 14:45 Briefing for Session 5 speakers, microphone runners, chair & moderator - Auditorium



14:45	16:25	Session 5: Wastewater surveillance
		<i>Chair: Yonatan Grad, Harvard University, USA</i> <i>Moderator: Stephanie Wai-U Lo, Wellcome Sanger Institute, UK</i>
14:45	15:15	Diving into the sewers to track antimicrobial resistance <i>Amy Kirby, National Wastewater Surveillance System, USA</i>
15:15	15:45	The utility of wastewater detection of antimicrobial resistance for public health and health system response <i>Guy Palmer, Washington State University, USA</i>
15:45	16:00	Resistance in sewage-associated microbiota mirror patterns of clinical bacteria and reflect a variable lagging association with antibiotic usage <i>Connor Brown, Virginia Tech, USA</i>
16:00	16:15	High Throughput qPCR is more sensitive than Metagenomics for wastewater AMR surveillance <i>Nicola Coyle, Cefas, UK</i>
16:15	16:25	Session discussion
16:25	16:55	Refreshment break and networking
16:55	17:40	Poster pitch talks for odd number posters
17:40	18:50	Poster session 2 - even number posters with drinks reception
18:50	20:50	Dinner
18:50		Bar open (card payments only)



Friday 15 March 2024

07:30 09:00 Breakfast

09:15 09:30 Briefing for Session 6 speakers, microphone runners, chair & moderator - Auditorium

09:30 Session 6: AI, ML, and Big Data Tools

Chair: Yonatan Grad, Harvard University, USA

Moderator: Kate Baker, University of Cambridge, UK

09:30 10:00 What can models tell us about the dynamics of AMR from large-scale data?

Lulla Opatowski, Institut Pasteur, France

10:00 10:30 Predicting Antibiotic Resistance

Roy Kishony, Technion, Israel

10:30 10:45 From Hindsight to Foresight: Safeguarding the Antibiotic Supply Chain - VIRTUAL

Chaitanya Koduri, US Pharmacopeia, USA

10:45 11:00 From Archives to Insights: Antimicrobial Resistance Analysis in Global-Scale Metagenomic Datasets

Shivang Bhanushali, University of Turku, Finland

11:00 11:10 Session discussion

11:10 11:45 Refreshment break and networking

11:30 11:45 Briefing for Keynote, microphone runners, chair, moderator & committee - Auditorium

11:45 12:45 Keynote 2

Chair: Kate Baker, University of Cambridge, UK

Moderator: Sylvain Brisse, Institut Pasteur, France

11:45 12:45 Applying novel diagnostic approaches to the prevention and control of AMR

Deborah Williamson, UK Health Security Agency, UK and University of Melbourne, Australia

12:45 13:00 Closing remarks and prize presentation

Scientific Programme Committee:

Kate Baker, University of Cambridge, UK

Sylvain Brisse, Institut Pasteur, France

Sabiha Essack, University of KwaZulu-Natal, South Africa

Yonatan Grad, Harvard University, USA

13:00 13:50 Lunch and departures

13:50 Coach departures for Stansted and Heathrow airports

14:00 Coach departures for Cambridge train station and city centre