

UK-India symposium on antimicrobial resistance

Date: 4 (8:30-19:30) and 5 (8:30-17:00) February 2019

Location: The Hallam Conference Centre, 44 Hallam Street, London, UK

Day 1:

08.30 – 09.00	Registration
09.00 – 09.20	<p>Welcome and introductions</p> <ul style="list-style-type: none"> • Professor Sir Robert Lechler PMedSci, President, Academy of Medical Sciences • Professor David Heymann CBE FMedSci, Professor of Infectious Disease Epidemiology, London School of Hygiene and Tropical Medicine and Chair of the Meeting Steering Group
9.20 – 10.00	<p>The challenge in the UK and India</p> <p>Chair: Professor David Heymann CBE FMedSci</p> <ul style="list-style-type: none"> • Professor Dame Sally Davies DBE FRS FMedSci, Chief Medical Adviser to the UK Government • Dr Sundeep Sarin, Scientists 'G', Adviser, Department of Biotechnology, and head of the AMR program, Ministry of Science & Technology, Government of India <p>The speakers will outline the state of play in each country, including what actions each country has already taken and where they think the biggest challenges still lie.</p>
10.00 – 10.30	Refreshment break
<p>Session 1: The extent of the problem and how to measure progress</p> <p>Chairs: Professor Alison Holmes FMedSci, Professor of Infectious Diseases, Imperial College London and Dr Abdul Ghafur, Coordinator, Chennai declaration on antimicrobial resistance</p> <p>This session will focus on how the levels of AMR are measured in humans, animals and the environment, at global, national, and regional levels. The session will also explore how to measure progress in reducing AMR, and what success will look like. The session will also reflect on how to assess the extent of AMR in both high and low-resource settings.</p>	
10.30 – 10.40	<ul style="list-style-type: none"> • Dr Kamini Walia, Senior Scientist, Epidemiology & Communicable Diseases Division, Indian Council of Medical Research
10.40 – 10.50	<ul style="list-style-type: none"> • Professor Susanna Dunachie, Associate Professor and Honorary Consultant in Infectious Diseases and Medical Microbiology, University of Oxford
10.50 – 11.00	<ul style="list-style-type: none"> • Professor Ramanan Laxminarayan, Founder and director of the Center for Disease Dynamics, Economics & Policy (CDDEP), and senior research scholar, Princeton University
11.00 – 11.10	<ul style="list-style-type: none"> • Professor Sharon Peacock CBE FMedSci, Honorary Senior Research Fellow, University of Cambridge
11.10 – 11.20	<ul style="list-style-type: none"> • Dr Elizabeth Tayler, AMR Secretariat, World Health Organization
11.20 – 12.10	Discussion

12.10 – 13.15	Lunch
<p>Session 2: How resistance develops and how to reduce it Chairs: Professor Asad Khan, Professor of Biotechnology, Aligarh Muslim University and Professor Sharon Peacock CBE FMedSci, Honorary Senior Research Fellow; University of Cambridge</p> <p>This session will focus on what is known about the basic biology of how resistance develops and how this can inform the treatment of animals in food production, prescribing practices, and interactions with the environment, including wild animals and computational algorithms to predict resistance.</p>	
13.15 – 13.25	<ul style="list-style-type: none"> • Dr Abdul Ghafur, Coordinator, Chennai declaration on antimicrobial resistance
13.25 – 13.35	<ul style="list-style-type: none"> • Professor Timothy Walsh, Professor of Medical Microbiology and Antibiotic Resistance, Cardiff University
13.35 – 13.45	<ul style="list-style-type: none"> • Dr Mark Holmes, Reader in Microbial Genomics & Veterinary Science and Director of Studies in Clinical Veterinary Medicine (Churchill College), University of Cambridge
13.55 – 14.05	<ul style="list-style-type: none"> • Professor Sandhya Visweswariah, Professor, Department of Molecular Reproduction, Development & Genetics and Co-Chair of the Centre for Biosystems Science and Engineering, at the Indian Institute of Science
14.05 – 14.15	<ul style="list-style-type: none"> • Professor Syma Khalid, Professor of Computational Biophysics, University of Southampton
14.15 – 15.00	Discussion
15.00 – 15.30	Refreshment break
<p>Session 3 Minimising antimicrobial use while maintaining essential access: preventing infection Chair: Professor Balaji Veeraraghavan, Professor and Head of Microbiology, Christian Medical College, Vellore</p> <p>This session will explore the most effective ways to prevent infections spreading in environmental, animal, and human contexts. As such, this session will explore how to prevent infections arising from known sources such as hygiene facilities, effluent discharge from hospitals and factories, and how to prevent hospital-acquired infections. This session will also focus on the use of vaccines to reduce the number of infections and use of antibiotics.</p>	
15.30 – 15.40	<ul style="list-style-type: none"> • Dr Sanjeev Singh, Medical Superintendent, Amrita School of Medicine, Kochi
15.40 – 15.50	<ul style="list-style-type: none"> • Dr Osman Dar, Project Director, One Health Project, Centre on Global Health Security at Chatham House
15.50 – 16.00	<ul style="list-style-type: none"> • Professor Alison Holmes FMedSci, Professor of Infectious Diseases, Imperial College London
16.00 – 16.10	<ul style="list-style-type: none"> • Dr Rajesh Bhatia, Regional Technical Adviser on AMR for the Regional Office of Food and Agriculture Organization
16.10 – 16.20	<ul style="list-style-type: none"> • Dr Mike Whelan, Programme Manager, Coalition for Epidemic Preparedness Innovations
16.20 – 17.15	Discussion

17.15 – 17.30	Day One Wrap up session Summary of the day and invitation to network during the evening drinks reception <ul style="list-style-type: none">• Professor David Heymann CBE FMedSci, Professor of Infectious Disease Epidemiology, London School of Hygiene and Tropical Medicine and Chair of the Meeting Steering Group
17.30 – 19.30	Evening networking reception Refreshments and canapés provided.

Day 2:

08.30 – 09.00	Registration
09.00 – 09.15	<p>Welcome</p> <p>Summary of day one and introduction of the aims of day two.</p> <ul style="list-style-type: none"> • Professor David Heymann CBE FMedSci, Chair of the Meeting Steering Group
<p>Session 4: Minimising antimicrobial use while maintaining essential access: optimising currently available interventions</p> <p>Chairs: Dr Radha Rangarajan, co-founder and CEO of Vitas Pharma and Professor Richard Kock, Professor of Wildlife Health and Emerging Diseases, Royal Veterinary College</p> <p>This session will cover how to ensure that current interventions designed to treat infections are used effectively and responsibly, and that antimicrobial access and provision is appropriate. This will include topics as rapid diagnostics and precision prescribing practices to ensure that antimicrobials are only used when necessary in clinical settings. It will also reflect on current food production practices, the use of antibiotics in growth promotion and how best to prevent zoonotic diseases. This session will also explore how antimicrobials are accessed in both the UK and India, and discuss prescribing practices, clinician attitudes to antimicrobial use, patient behaviour and expectations, public awareness campaigns, and stewardship.</p>	
09.15 – 09.25	<ul style="list-style-type: none"> • Professor Roger Jeffery, Professor of Sociology of South Asia, University of Edinburgh
09.25 – 09.35	<ul style="list-style-type: none"> • Professor Claire Heffernan, Director of the London International Development Centre and Professor of International Development, Royal Veterinary College
09.35 – 09.45	<ul style="list-style-type: none"> • Dr Nusrat Shafiq, Professor of Pharmacology, Postgraduate Institute of Medical Education and Research Center, India
09.45 – 09.55	<ul style="list-style-type: none"> • Professor Helen Lambert, Professor of Medical Anthropology, Department of Population Health Sciences, Bristol Medical School
09.55 – 10.05	<ul style="list-style-type: none"> • Dr Sanjay Sarin, Country Head, India and lead for Access Program (Asia Pacific), Foundation for Innovative New Diagnostics
10.05 – 11.00	Discussion
11.00 – 11.30	Refreshment break
11.30 – 12.00	<p>Keynote presentation</p> <ul style="list-style-type: none"> • Lord Jim O'Neill
<p>Spark session- Collaboration in practice</p> <p>Chair: Dr Shahid Jameel, Chief Executive Officer, Wellcome Trust DBT India Alliance</p> <p>This session will provide an opportunity for invited organisations to share their examples of establishing collaborations between India and the UK, highlighting any successes and challenges.</p> <p>Participants are encouraged to visit the organisations stalls during lunch.</p>	

12.00 – 12.10	<ul style="list-style-type: none"> • Professor Seshadri Vasan, Honorary Visiting Professor of Health Sciences, University of York and Customer Delivery Director, NHS South Central and West CSU
12.10 – 12.20	<ul style="list-style-type: none"> • Dr Ghada Zoubiane, Science Lead of the Drug-Resistant Infections priority programme, Wellcome
12.20 – 12.30	<ul style="list-style-type: none"> • Professor David Graham, Professor of Ecosystems Engineering, Newcastle University
12.30 – 12.40	<ul style="list-style-type: none"> • Daniel Berman, Lead, Global Health Team, Nesta
12.40 – 12.50	<ul style="list-style-type: none"> • Naomi Beaumont, Senior Portfolio manager, Health and Human Behaviour Team, Economic and Social Research Council, UKRI
12.50 – 14.15	Lunch and Marketplace
14.15 – 15.30	<p>Breakout sessions Chair: Professor David Heymann CBE FMedSci</p> <p>Four breakout groups:</p> <ol style="list-style-type: none"> 1. Surveillance and monitoring Facilitators: Professor Alison Holmes FMedSci 2. Reducing resistance development Facilitators: Professor Asad Khan and Professor Sharon Peacock CBE FMedSci 3. Preventing infection Facilitators: Professor Balaji Veeraraghavan 4. Optimising current interventions Facilitators: Dr Radha Rangarajan and Professor Richard Kock <p>Each breakout group will draw on the relevant discussion session Each group is tasked with identifying the biggest challenges for that topic and discussing what could be achieved in the next two years to progress each challenge.</p>
15.30 – 16.45	<p>Feedback from the breakout and next steps The rapporteur from each session presents back the challenges and actions for focus from each breakout (10-15 minutes each).</p>
16.45 – 17.00	<p>Summary and Closing Session Summary of the conference and the areas that have been identified as those that should be focussed on for action before the next conference.</p> <ul style="list-style-type: none"> • Professor David Heymann CBE FMedSci
17.00	End