



## RSTMH Annual Meeting

### Drug resistant infections: causes, consequences and considerations

11 – 12 October 2021

Online event

#### Day One: 11 October

Time BST	Session information
08:30 - 09:30	<b>Pre-meeting networking</b> An opportunity to meet other attendees, catch up with colleagues and make new connections through our online networking platform.
09.30 - 09.40	<b>Welcome and introduction</b> Tamar Ghosh, Chief Executive, Royal Society of Tropical Medicine and Hygiene (RSTMH)
09.40 – 10:00	<b>Session 1</b> Sally Davies, UK Envoy on Antimicrobial Resistance
10.30 - 12:10	<b>Session 2: Presentations on impact from implementation of policy frameworks and interventions</b> Different considerations will be presented by experts from different One Health sectors <b>Chair: Sabrina Moyo</b> , Researcher, Norwegian national advisory unit on tropical infectious diseases, Haukelan University Hospital, Bergen <u>Recasting the mould - integrating history and social sciences research into antimicrobial policy</u> <b>Claas Kirchhelle</b> , Lecturer History of Medicine, University College Dublin <u>Antimicrobial stewardship at Queen Elizabeth Central Hospital, Blantyre, Malawi</u> <b>Rebecca Lester</b> , Wellcome Trust Clinical PhD Fellow, Liverpool School of Tropical Medicine <u>Antimicrobial Usage in Food Animal Production in Pakistan: Trends and Lesson Learned</u> <b>Mashkoor Mohsin</b> , Assistant Professor Microbiology, University of Agriculture Faisalabad, Pakistan <u>One Health Drivers of AMR (OH-DART study)</u> <b>Katy Turner</b> , Managing Consultant, Aquarius Population Health
12:15- 12:50	<b>Poster presentations networking</b> Meet poster presenters and find out more about their research.

13:00 - **Session 3: Turbo talks**

13:40

**Chair: Buddha Basnyat**, RSTMH Trustee

A series of five-minute presentations selected from submitted abstracts from early career researchers

[Youth engagement in antimicrobial resistance through training programmes for university students: a pilot study](#)

**Anya Webber**, Antimicrobial Resistance Working Group co-chair, Students for Global Health Cambridge

[Effects of devolution on collaboration of One Health Stakeholders in fighting antimicrobial resistance at the district level in Malawi](#)

**Elias Phiri**, Health Policy Fellow & Associate, Malawi-Liverpool-Wellcome Trust

[A randomised controlled trial of the triple artemisinin-based combination therapy artemether-lumefantrine plus amodiaquine versus artemether-lumefantrine for multidrug-resistant Plasmodium falciparum malaria](#)

**James Callery**, Research Physician (Malaria), Mahidol Oxford Tropical Medicine Research Unit

[Poor quality anti-tuberculosis medicines – a neglected risk for global TB control and resistance](#)

**Patricia Taberero**, PhD student, Public Health Unit, Faculty of Medicine, University of Alcalá, Alcalá de Henares

[Structural and genomic insights into pyrazinamide resistance in Mycobacterium tuberculosis underlie differences between ancient and modern lineages](#)

**Tanushree Tunstall**, PhD researcher, London School of Hygiene and Tropical Medicine

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13:40 - **Turbo talks networking session**

14:00

**Join this informal session for more in-depth discussions with the turbo talk presenters.**

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14:00 - **Session 4: Progress after the AMR Review**

14:45

Adam Roberts, Scientific Chair of the Annual Meeting interviews **Jim O'Neill, Chairman, Review on Antimicrobial Resistance**

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15:30 - **Session 5: Panel session: The future funding landscape for drug resistant infections?**

16:45

Key stakeholders discuss funding challenges and opportunities for future research priorities

**Chair: Clare Chandler**, Professor in Medical Anthropology & Director of the Antimicrobial Resistance Centre, London School of Hygiene & Tropical Medicine

**Dawn Duke**, Head of Programmes, Africa Research Excellence Fund

**Helen Lambert**, Professor of Medical Anthropology, University of Bristol and UKRI Challenge Leader for Global Health

**Laura Plant**, Senior Research Officer, Joint Programming Initiative on Antimicrobial Resistance (JPIAMR)

**Louise Richards**, Senior Portfolio Manager, ESRC: Economics and Social Research Council

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16:45 -

17:00

**Wrap up and close day one**

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17:15 -

18:15

**Networking session**

An opportunity to meet other attendees, catch up with colleagues and make new connections through our online networking platform.

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## Day Two: 12 October

Time BST	Session information
09.30 - 09.35	<b>Welcome and introduction</b> Adam Roberts, Scientific Chair of the Annual Meeting
09.35 - 10:15	<b>Session 1: Turbo talks</b> We continue with short presentations chosen from the submitted abstracts from early career researchers  <b>Chair: Guo-Bao Tian</b> , Professor, Principal Investigator, Key Laboratory of Tropical Diseases, Sun Yat-sen University  <a href="http://resistancebank.org">resistancebank.org</a> , an open-access repository for surveys of antimicrobial resistance in animals  <b>Nicola Criscuolo</b> , PhD Student, ETH Zürich  <a href="#">Optimizing surveillance against antimicrobial resistance in animals in China</a>  <b>Cheng Zhao</b> , PhD Student, ETH Zürich  <a href="#">PCR screening reveals Quinolone resistance genes in anthropogenically affected waterways in Badulla and Kandy districts</a>  <b>Ishara Gunawardane</b> , Teaching Assistant in the Department of Molecular Biology & Biotechnology, University of Peradeniya  <a href="#">A retrospective analysis of antimicrobial resistance in pathogenic Escherichia coli and Salmonella spp. isolates from poultry in Uganda</a>  <b>Steven Kakooza</b> , Public Health Specialist, Vétérinaires Sans Frontières Germany  <a href="#">Prevalence and antimicrobial susceptibility level of typhoid fever in Ethiopia: a systematic review and meta-analysis</a>  <b>Melese Teferi</b> , Research Project Coordinator, Armauer Hansen Research Institute
10.15 - 10.30	<b>Turbo talks networking session</b> Carry on the conversation in this brief session with the turbo talk presenters
10:30 - 11:15	<b>Session 2: Experiences from the frontline</b> Hear from those working on DRIs in healthcare settings globally  <b>Chair: Adam Roberts</b> , RSTMH Policy Adviser on drug resistant infections and Scientific Chair, Liverpool School of Tropical Medicine  <b>Remy Pacifique Ntirenganya</b> , Pharmacy Lead, Partners In Health (PIH)  <b>Edwin Larry Panford-Quainoo</b> , Pharmacist and PhD Student, Liverpool School of Tropical Medicine
11:30 – 13:15	<b>Session 3: Presentations on implementation of surveillance systems for drug resistance and usage</b> Experts from around the world will share their experience of implementing national scale surveillance systems  <b>Chair: Sabiha Essack</b> , South African Research Chair (SARChI) in Antibiotic Resistance and One Health & Professor in Pharmaceutical Sciences, University of KwaZulu-Natal  <a href="#">Effects of AMR Stewardship Interventions</a>  <b>Céire Costelloe</b> , Reader in Digital Health and Statistics & NIHR Career Development Fellow, Director of Global Digital Health Unit, Imperial College London

Implementation of AMR surveillance in Brazil - a 10+ years of experience

**Marcelo Pilonetto**, State Laboratory for Public Health, Department of Health Assistance and Surveillance, Secretary of Health, Curitiba, Brazil

Experience of Establishing AMR surveillance network in India

**Kamini Walia**, Program Officer AMR, Division of Epidemiology and Communicable Diseases, Indian Council of Medical Research

Health Policy and Systems Research on AMR: experiences from Thailand

**Angkana Lekagul**, Faculty of Infectious and Tropical Diseases, London School of Hygiene and Tropical Medicine

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13:15 – **Poster presentations networking**

13:55 Meet poster presenters and find out more about their research.

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15:30 – **Session 4: Panel session: What is the role of RSTMH in the fight against drug resistant infections?**  
16:45

How can drug resistance move from a research to an implementation agenda? What is the role of evidence generation, translation and integration and the sustainable development agenda? Has COVID been a distraction or a help in highlighting DRIs?

**Chair: Chris Whitty**, Chief Medical Officer for England

**Jyoti Joshi**, Head of South Asia, Center for Disease Dynamics, Economics & Policy (CDDEP)

**Mirfin Mpundu**, Director, ReAct Africa

**Adam Roberts**, RSTMH Policy Adviser on drug resistant infections and Scientific Chair, Liverpool School of Tropical Medicine

**George Varghese**, Professor and Head of the Department of Infectious Diseases, Christian Medical College Vellore

**Ghada Zoubiane**, Head of Partnerships and Stakeholder Engagement, International Centre for Antimicrobial Resistance Solutions (ICARS)

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16:45 **Wrap up and close**

**Tamar Ghosh**, Chief Executive, Royal Society of Tropical Medicine and Hygiene

## Poster presentations

**1. Adenosine Deaminase Enzyme in Drug Resistant Tuberculosis**

*Pelumi Adewole*, Assistant Lecturer, Kwara State University, Malete

**2. The excess burden of bloodstream infections caused by antibiotic resistant bacteria in LMICs. A systematic review and meta-analysis in the human inpatient sector.**

*Kasim Allel*, Research staff, London School of Hygiene and Tropical Medicine

**3. Guideline Recommendations for Empirical Antimicrobial Therapy: An Appraisal of Research Evidence for Clinical Decision-Making in Ethiopia**

*Balew Arega*, Lecturer, physician, Yekatit 12 Hospital Medical College

**4. Arteether loaded novel formulation development and optimization by formulation by design concept for intensified oral bioavailability**

*Neha Bajwa*, Ph.D. Research Scholar, Department of Pharmaceutical Sciences and Technology, Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab, India.

**5. Addressing fluoroquinolone-induced AMR with a novel CcdB toxin-based broad-spectrum antibacterial peptide**

*Jayantika Bhowmick*, Postdoctoral researcher, Indian Institute of Science

**6. Analysis of Outpatient and Home Parenteral antibiotic Therapy (OHPAT) service at Newcastle upon Tyne hospitals NHS foundation trust from August 2020 to May 2021.**

*Emily Heppenstall*, Medical Student, Newcastle University

**7. Drug-resistant infections in malnourished children with bacteraemia at a tertiary hospital in Malawi.**

*Victoria Mukhula*, Pre-MSc Research Intern, Malawi-Liverpool Wellcome Trust Clinical Research Programme

**8. Molecular identification and antibiotic Susceptibility Patterns of Bacterial Isolates from urine samples of African buffalo, eland and cattle**

*Harry Asena Musonye*, PhD student (Epidemiology & Health Statistics), Anhui Medical University

**9. Increase in incidence of substandard and falsified pharmaceutical products in Nepal**

*Astha Neupane*, Research Intern, Kathmandu Institute of Applied Sciences

**10. Stewardship through guidelines: Evidence of practice at the periphery in Uganda's rural health centres.**

*Susan Nayiga*, PhD Candidate, Infectious Diseases Research Collaboration/ London School of Hygiene and Tropical Medicine

**11. A systematic review of the global prevalence of substandard and falsified antibiotics**

*Guillermo Alonso Zabala*, Research physician, Infectious Diseases Data Observatory