

Medical Research Foundation National PhD Training Programme in Antimicrobial Resistance Research
Annual Conference
Monday 10 August – Tuesday 11 August 2020
FINAL PROGRAMME
Day 1 – Session 1: Monday 10 August 2020 (10:00-12:15)

Time	Session 1 – Everyday lives, everyday antibiotics: a global and cross-sector perspective on use, stewardship, and policy at home and in primary and secondary care
10:00	Welcome address Professor Matthew Avison , Academic Programme Lead, University of Bristol
10:05	Address & introduction to the Medical Research Foundation National PhD Training Programme in AMR Research Professor Danny Altmann , Trustee of the Medical Research Foundation
10:10	Chairs' opening address and introduction Becky McCall (University College London) and Nidhee Jadeja (Imperial College London)
10:15	Keynote lecture Professor Helen Lambert Professor of Medical Anthropology and UKRI GCRF Global Challenge Leader for Health, University of Bristol 'Reflections on doing social science-led interdisciplinary research on AMR in global health'
10:50	Student presentations 10:50 Susan Nayiga (London School of Hygiene and Tropical Medicine) Living with persistent ill-health: what tinkering with antibiotics renders visible in rural households in Eastern Uganda 11:05 Ayodeji Matuluko (Glasgow Caledonian University) Applying implementation science principles to the design and evaluation of an antimicrobial stewardship intervention 11:20 Salome Manyau (London School of Hygiene and Tropical Medicine) Antimicrobials in the informal health sector in Harare, Zimbabwe

11:35	Shirin Aliabadi (Imperial College London) Do stewardship interventions targeting antibiotic prescribing in primary care have an effect on antimicrobial resistance of <i>Escherichia coli</i> bloodstream infections between 2013-2018? An interrupted time series analysis
11:55	Maria Garza (Royal Veterinary College) Can better governance reduce antimicrobial usage? An assessment of Vietnamese aquaculture systems.
12:05	Closing remarks and how to access the Showreel presentations Professor Matthew Avison , Academic Programme Lead, University of Bristol
12:15 - 13:15	Lunch break National PhD Training in AMR Research Student Network Showreel presentations (will be running over the lunch break)

Day 1 – Session 2 Part A: Monday 10 August 2020 (13:30-16:25)

Time	Session 2 Part A– Novel antimicrobials, vaccines, diagnostics and antimicrobial materials
13:30	Welcome address Professor Chris Dowson , University of Warwick
13:35	Chairs’ opening address and introduction Sarah Dodd (University of Bristol) and Daniela Sordillo (University of Warwick)
13:40	Keynote lecture Dr Jared Silverman Head of Translational Discovery, Bill and Melinda Gates Research Institute, Boston, USA ‘The Gates Medical Research Institute: Building a Non-Profit Biotech’
14.20	Student presentations Valwynne Faulkner (Royal Veterinary College) The identification of a novel drug target in <i>Mycobacterium tuberculosis</i> .
14:35	David Walker-Sünderhauf (University of Exeter) AMR plasmid removal from a bacterial community using a mobile CRISPR tool

	Student presentations cont.
14:50	Richard Goodman (Liverpool School of Tropical Medicine) Bacteria's Black Market: assessing the impact of horizontal gene transfer on the evolution of AMR in <i>Enterobacteriaceae</i>
15:05	Anne Amulele (Kenya Medical Research Institute) Carbapenem resistant bacteria in Kenya and resistant mechanisms
15:20	Viivi Hirvonen (University of Bristol) Multiscale modelling of β -lactamase mediated antibiotic resistance
Time	Session 2 Part B
15:35	Chairs' opening address and introduction Declan Kohl (University of Leeds) and Rebecca Hull (University of Sheffield)
15:40	Keynote lecture Professor Rosanna Peeling Professor and Chair, Diagnostics Research Director, International Diagnostics Centre, London School of Hygiene and Tropical Medicine 'The role of diagnostics in the AMR response'
16:20	Closing remarks Professor Chris Dowson , University of Warwick
16:25 - 17:00	National PhD Training in AMR Research Student Network Showreel presentations <i>(will be running at the end of the formal session)</i>

Day 2 – Session 2 Part B continued: Tuesday 11 August 2020 (10:00-12:15)

Time	Session 2 Part B cont. – Novel antimicrobials, vaccines, diagnostics and antimicrobial materials
10:00	<p>Welcome address Dr Nicole Stoesser, University of Oxford</p>
10:05	<p>Chairs' opening address and introduction</p> <p>Rebecca Hull (University of Sheffield) and Declan Kohl (University of Leeds)</p>
10:10	<p>Keynote lecture</p> <p>Professor Mathew Upton Professor of Medical Microbiology, University of Plymouth and CSO Amprologix Ltd.</p> <p>'Translating academic research to address AMR'</p>
10:50	<p>Student presentations</p> <p>Sam Williams (University of Bristol) Exploring the deep-sea microbiome for novel antibiotics</p>
11:05	<p>Niamh Harrington (University of Warwick) Bridging the gap between the laboratory and the clinic: an <i>ex vivo</i> pig lung model for <i>Pseudomonas aeruginosa</i> biofilm infection in the cystic fibrosis lung</p>
11:20	<p>Ronan Murphy (Imperial College) Glatiramer acetate improves the killing ability of tobramycin in <i>Pseudomonas aeruginosa</i> cultured from cystic fibrosis clinical samples</p>
11:35	<p>Matthew Skeats (University of Bristol) Chlorhexidine polyphosphate - An alternative to antibiotics in orthopaedic bone cements?</p>
11:50	<p>Paola Cocco (University of Leeds) Developing new '<i>fit-for-purpose</i>' diagnostic tests for <i>Clostridium difficile</i> infection'</p>
12:05	<p>Closing remarks Dr Nicole Stoesser, University of Oxford</p>
12:15	<p>Lunch break</p>
- 12:45	<p>National PhD Training in AMR Research Student Network Showreel presentations <i>(will be running over the lunch break)</i></p>

Day 2 – Session 3: Tuesday 11 August 2020 (13:00-15:45)

Please note earlier time – session starts at 13:00

Time	Session 4 – Drivers and vectors of antimicrobial resistance
13:00	Welcome address Professor Clare Chandler, London School of Hygiene and Tropical Medicine
13:05	Chairs' opening address and introduction Ryan Cook (University of Nottingham) and Kevin Chau (University of Oxford)
13:10	Keynote lecture Dr Haileyesus Getahun Director, Global Coordination & Partnership on AMR, WHO, Geneva, Switzerland 'Bringing public health to the heart of the global AMR response'
13:50	Student showreel presentations - videos Becky McCall (University College London) Célia Souque (University of Oxford) Cara Patel (University of Exeter) Ashleigh Myall (Imperial College London) Jordan Sealey (University of Bristol) Jennifer Shelton (Imperial College & UK Centre for Ecology and Hydrology) Kevin Chau (University of Oxford) David Walker-Sünderhauf (University of Exeter)
14:20	Student presentations Chioma Achi (University of Cambridge) Plasmids carrying AMR genes in selected <i>Salmonella enterica</i> isolates
14:35	Lauren Arkoosh (Abertay University) Seals as sentinels of antimicrobial resistance: a preliminary screen for antimicrobial resistance genes in UK waters

	Student presentations cont.
14:50	Hannah Lepper (University of Edinburgh) Comparing the abundance of antibiotic resistance bacteria in municipal sewage with national surveillance of clinical isolates
15:05	Aoife Quinlivan (University of Nottingham) Preventing the rising tide of AMR: Utilising MOFs to remove antibiotics from wastewater
15:20	Slawomir Michniewski (University of Warwick) Bacterial viruses encoding antimicrobial resistance genes: discovery and confirmation of a novel ARG
15:35	Closing remarks Professor Clare Chandler , London School of Hygiene and Tropical Medicine
15:40	2020 Annual Conference close Professor Matthew Avison , Academic Programme Lead, University of Bristol