



Antimicrobial Resistance Conference:
Advocating a Behavioural Change

ANTIMICROBIAL RESISTANCE 2018

Advocating a
Behavioural Change

SECOND NATIONAL
STUDENTS
CONFERENCE



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WELCOME

Dear Delegate,

Two years ago, the conference leads, Osenadia Joseph-Ebare, Lara-Turiya Seitz, Hannah Hafezi and Aditya Aggarwal, spearheaded by Dr Diane Ashiru-Oredope, recruited individuals who share our passion for public health and AMR. Thus began the curation of the first multidisciplinary AMR:ABC national team.

After a successful conference, this year's ABC:AMR national team continue their legacy. This year's conference is brought to fruition through collaborations with Public Health England, KCL Radiology Society, the Veterinary Schools Council, Pharmacy Schools Council, Dental Schools Council and Medical Schools Council. Our collective aim is to inform and inspire our peers on AMR; a topic not thoroughly understood by the average healthcare student.

We hope you enjoy this conference and that you become infected with our passion to campaign and raise awareness about AMR. This conference is another wave in the student movement against AMR.

If you wish to be a part the national team that plans this conference next year and host it at your university, please get in touch with us! Applications will open in December.

Sincerely on behalf of the whole team,

Emma Soo
3rd Year Medicine, King's College London
Student Lead, AMR:ABC Team

ABOUT THE CHAIRS

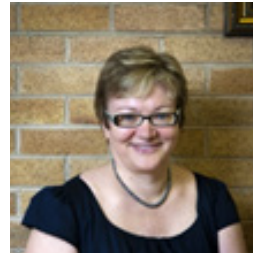


Dr Diane Ashiru - Oredope
MPharm, DipClinPharm, MPH

Dr Diane Ashiru - Oredope, Lead Pharmacist for the Antimicrobial Resistance (AMR) programme, Public Health England, began engaging with students around

the Summer of 2015. She oversaw the recruitment of a national student team, led by Osenadia Joseph-Ebare, Lara-Turiya Seitz, Hannah Hafezi and Aditya Aggarwal, and in 2016 helped lead the national student campaign across the UK to promote AMR awareness. This year, a new national student team was recruited, with the aim of organising a conference that aims to educate students and the wider public on antimicrobial resistance, and the threat it poses today. Diane has energetically spearheaded the conference, and has been instrumental to every part of its success.

Dianne is the Lead Pharmacist for the Antimicrobial Resistance Programme at Public Health England. A hospital antimicrobial pharmacist by background; she started working in public health in 2010. She has chaired and led the implementation of a range of national toolkits and guidance on antimicrobial stewardship. Diane led the development, implementation and evaluation of the national (now international) AMR campaign, Antibiotic Guardian which is underpinned by behavioural science. Currently she is the deputy chair for the English Surveillance Programme for Antimicrobial Utilisation and Resistance (ESPAUR) and Leads the national planning group for World Antibiotic Awareness Week, European Antibiotic Awareness Day and the UK Antibiotic Guardian campaign. Outside of her core role, Diane is honorary Lecturer at UCL School of Pharmacy, volunteer tutor for the People's University which delivers public health Masters courses/modules for healthcare professionals in low and middle income countries, committee member for UKCPA Pharmacy Infection Network, member of RPS Expert Advisory Group for Antimicrobial Resistance and adviser for Commonwealth Pharmacists Association. In 2015 Diane was named Royal Pharmaceutical Society's Public Health Pharmacist of the year and in 2016 Outstanding Woman in the Public Sector at the 10th PRECIOUS awards. She was made a fellow of the Royal Pharmaceutical Society in 2017.



Professor Susan Dawson,
BVMS, PhD, FRCVS

Professor Susan Dawson is Dean of the Institute of Veterinary Science at the University of Liverpool. She qualified as a veterinary surgeon from Glasgow in 1983 and spent

several years in veterinary practice before joining the University of Liverpool in 1988. Her research is in the area of infectious diseases with a focus on zoonotic infections and antimicrobial resistance in particular.

Professor Dawson is currently a council member of the Royal College of Veterinary Surgeons (RCVS). She sits on Operational Board and Chairs the Education Committee for RCVS and has been a panel member and chair of accreditation visits of veterinary schools on behalf of the Royal College. Susan was a member of the Veterinary Products Committee (2002-2011), a scientific advisory committee to Defra, and was also the veterinary advisor to the Antimicrobial Resistance and Healthcare Associated Infections Committee for the Department of Health. Professor Dawson is currently Senior Vice President of the British Small Animal Veterinary Association.

Since taking on the role of Dean of the Institute of Veterinary Science, Professor Dawson has led the introduction of a new curriculum to the BVSc programme and has managed a significant increase in student numbers onto the programme.

AGENDA



Antimicrobial Resistance Students Conference: Advocating Behavioural Change

Date: 17 November 2018

Location: King's College London, Waterloo Campus

Time: 09:30am - 17:00pm

Chairs: Dr Diane Ashiru - Oredope and Professor Susan Dawson

TIME	ROOM	TOPICS	SPEAKERS
09:30 - 10:00		Arrival / Registration	
10:00 - 10:10	B5 Auditorium	Welcome and Housekeeping	Co-chairs: Dr Diane Ashiru-Oredope Public Health England Professor Susan Dawson University of Liverpool
10:10 - 11:00	B5 Auditorium	Plenary Session 1 Where are we with AMR - Human and Animal Health perspective	Nicholas Brown Cambridge University Hospitals NHS Foundation Trust John Fishwick Former president of the British Veterinary Association
11:00 - 11:30	B5 Auditorium	Plenary Session 2: Innovative problem solving in Antimicrobial Resistance	Professor Liz Sockett University of Nottingham
11:45 - 12:45	1.12	Parallel Session 1 Communication Skills	Yvonne Batson-Wright King's College London
	1.14	Parallel Session 2 The Multidisciplinary Team: Antibiotic Stewardship	Marisa Lanzman The Royal Free London NHS Foundation Trust Susan Bowler Nottingham University Hospitals NHS Trust Anjaneya Bapat The Royal Free London NHS Foundation Trust
	G.73	Parallel Session 3 Human & Animal Health Scenarios	Emma Cramp NHS Improvement Dr Elizabeth Berry British Cattle Veterinary Association
	G75	Parallel Session 4 Public Health Campaign	Janet Flint Health Education England Olaolu Oloyede Public Health England
	B5 Auditorium for the morning session G76 for the afternoon session	Parallel Session 5 Antimicrobial Resistance: A Pharmaceutical Industry Approach	Bryan Deane The Association of the British Pharmaceutical Industry
	G79 for the morning session B5 Auditorium for the afternoon session	Parallel Session 6 Antimicrobial Resistance Diagnostics	Fiona Carragher NHS England
	G80	Parallel Session 7 Interventional radiology practice & antibiotic use	King College London's Radiology Society
12:45 - 13:45		Lunch	

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TIME	ROOM	TOPICS	SPEAKERS
13:45 - 14:45	Workshop rooms: As above	Workshop Slot 2: Please go to your second workshops that you have selected Options: As above	
15:00 - 15:45	B5 Auditorium	Plenary Session 3: Behaviour Change	Dr Fabiana Lorencatto University College London
15:45 - 16:00		Coffee Break	
16:00 - 16:45	B5 Auditorium	Panel Discussion	<p>Dr Elizabeth Berry British Cattle Veterinary Association</p> <p>Janet Flint Health Education England</p> <p>Emma Cramp NHS Improvement</p> <p>Anjaneya Bapat The Royal Free London NHS Foundation Trust</p> <p>Susan Bowler Nottingham University Hospitals NHS Trust</p> <p>Bryan Deane The Association of the British Pharmaceutical Industry</p> <p>Aditya Aggarwal NHS Graduate Management Training Scheme</p>
17:00		Closing of Event	Professor Susan Dawson University of Liverpool

SPEAKERS

Aditya Aggarwal

Aditya registered as a pharmacist and started on the NHS Graduate Management Training Scheme (GMTS) in September 2017.

He joined the policy & strategy stream in London and has worked in different areas such as in NHS England and in a mental health trust. In 2017, Aditya led the Public Relations arm of the first national students' AMR conference as part of World Antibiotic Awareness Week.



Anjaneya Bapat

Anjaneya is currently working as a registrar in Infectious Disease and Microbiology at the Royal Free Hospital in London. He trained at Cambridge and at St. George's, London in 2011. He did his foundation training in the West Midlands and my core medical training in Guildford. He spent a year at the London School of Hygiene and Tropical Medicine doing further postgraduate work a couple of years ago.



Dr Elizabeth Berry

Dr Elizabeth Berry qualified as a veterinarian from Liverpool University in 1981 and worked in mixed practice, full time for 5 years and part time for seven years. This involved all species and a full range of clinical practice (consultations, operations etc). She worked for the Milk Marketing Board (now disbanded) running a consultancy field service for farmers and providing technical support. In 1998 she started a PhD part time at the Institute for Animal Health Compton (a Biological, Biotechnology Science Research Council institute) and Warwick University and was awarded this in 2002. She stayed in research working at Compton in a contract research organisation capacity. She currently works for a small pharmaceutical company specialising in trace element supplementation for ruminants.



She is a member of British Cattle Veterinary Association where she is Honorary Secretary and Lead on Medicines. She was the cattle veterinary lead for the RUMA (Responsible Use of Medicines in Agriculture Alliance) Target Task Force for voluntary targets on reduction, refinement and replacement of antibiotics in production animals.

Susan Bowler

Sue Bowler has worked as a Antimicrobial Stewardship nurse at Nottingham University Hospitals NHS trust since Dec 2016. Sue works as part of the AMS multidisciplinary team . A key element of her role involves leading quality improvement work in Nottingham, engaging & educating nurses about their essential role in Diagnostic Stewardship to improve patient care. She is committed to ensuring that Antimicrobial Stewardship is deeply embedded within our nursing culture. A truly exciting journey ahead!



SPEAKERS

Dr Nicholas Brown

Nick Brown has been a Consultant Medical Microbiologist at Addenbrooke's Hospital in Cambridge and Associate Lecturer at the University of Cambridge since 1996.

He is employed by Public Health England (PHE) and is currently the clinical lead for PHE regional microbiology laboratories in England. Nick has a career long interest in the use of antibiotics and antibiotic resistance. He was President of the British Society for Antimicrobial Chemotherapy (BSAC) from 2012-15 and is currently the BSAC Director of Public and Professional Engagement.



Fiona Carragher

Fiona is the Deputy Chief Scientific Officer for England, supporting the head of profession for the 50,000 healthcare science workforce in the NHS and associated bodies.

A significant part of Fiona's role involves working across government, with system partners and other external stakeholders to inform policy, influence legislation, deliver strategic change and introduce new and innovative ways of working.

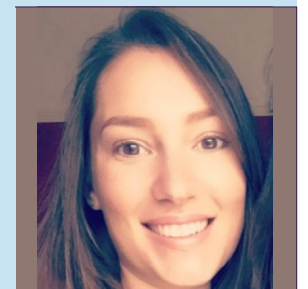
Fiona is a clinical biochemist, with a strong background in both public health and treatment & care, having been regional director of the Newborn blood spot screening programme. Fiona worked in multi-professional teams for two decades with a focus on providing high quality, innovative laboratory services.



Emma Cramp

Emma studied pharmacy at Nottingham University and has since completed an MSc in Clinical Pharmacy and obtained her independent prescribing qualification.

Emma has worked as an Antimicrobial Pharmacist for a number of years in various hospitals across the Midlands. She is currently working at NHS Improvement as an Antimicrobial Pharmacist within the Gram negative bacteraemia, Infection Prevention Team. Emma is on the UK Clinical Pharmacy Association (UKCPA) Pharmacy Infection Network (PIN) Committee and the RPS Antimicrobial Expert Advisory Group.



Bryan Deane

After graduating in Pharmacology and completing a PhD in Neuropathology, Bryan embarked on a long and successful career in the pharmaceutical industry. A series of increasingly senior positions at SmithKline Beecham and GlaxoSmithKline were mostly focussed on medical marketing and commercial development, covering a variety of therapy areas including infectious diseases (particularly involving antibiotics and antivirals). These positions included experience in a wide range of countries and regions, from the UK to China and from Latin America to Asia-Pacific. Over the last 10 years, Bryan has led a variety of projects as a freelance consultant, including support for new product launches, medical affairs and restructuring healthcare agencies. Since 2012, a joint project with the ABPI investigating the topic of clinical trial transparency led to four peer-reviewed publications, and Bryan joined the ABPI's Research, Medical & Innovation Team in May 2018, with a focus on Antimicrobial Resistance and Advanced Therapy Medicinal Products.



SPEAKERS

Janet Flint

Janet is the Programme Lead for two of Health Education England's (HEE's) national programmes, Population Health and Prevention and Prevention and Maternity. The programme portfolio includes a range of initiatives aimed at improving education for healthcare professionals around antimicrobial resistance and sepsis identification and management. Janet has been working on HEE's maternity workforce transformation programme since October, 2017.

Janet moved to HEE in 2013 following a brief spell at the Department of Health working on the Modernising Pharmacy Careers Programme. A pharmacist by background, she spent her early career as a community pharmacy manager before moving to the Royal Pharmaceutical Society where she spent many years in various education policy and regulatory roles before moving to the General Pharmaceutical Council for a short spell overseeing the implementation of mandatory CPD and revalidation policy for pharmacy professionals.



John Fishwick

John graduated as a veterinary surgeon from Cambridge University in 1985 having gained an intercalated degree in Pharmacology. He worked for five years in mixed practice in Cheshire and Essex, gaining the RCVS Certificate in Cattle Health and Production in 1988. He moved to the RVC in 1990 as Lecturer in Farm Animal Practice. In this position he was responsible for the farm animal side of the RVC's Large Animal Practice (Ambulatory Clinic) which served a large number of farm animal and equine clients throughout Hertfordshire and Essex.

In 1997 John moved to Riyadh in the Kingdom of Saudi Arabia where he worked as the Head Veterinarian to the world's largest fully integrated dairy company, farming over 25,000 high producing dairy cows in a desert environment. He returned to the RVC in 2003 as Senior Lecturer in Dairy Herd Medicine and was appointed as head of the newly formed Department of Production and Population Health in 2012. He holds the RCVS Diploma in Cattle Health and Production and is a Diplomate of the European College of Bovine Health Management.



King's College London Radiology Society

The KCL Radiology Society is a long-standing society run by students for students. The main goal of the society KCL Radiology is to share our passion for Radiology and encourage medical students to explore this specialty. The society runs a wide range of events throughout the year with an aim to educate inspire students.

These mainly take the form of academic events, where radiologists are invited to talk about their work and experience in the field, giving students a unique insight into the specialty.



SPEAKERS

Marisa Lanzman

Marisa is a Senior Antimicrobial Pharmacist at The Royal Free London NHS Foundation Trust.

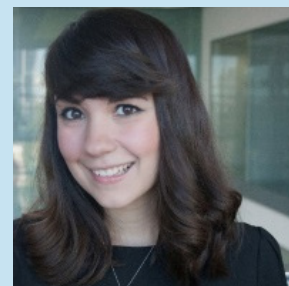
Marisa has worked as a clinical pharmacist for the last 15 years across a variety of specialties including clinical trials, renal medicine, thoracic medicine and intensive care. She is qualified as an Independent Prescriber and has a Post Graduate Diploma in Pharmacy Practice. Her current role includes working across the Trust to generate and implement antimicrobial policies as well as many activities that contribute towards a successful antimicrobial stewardship programme. This includes the management of antibiotic drug shortages, introduction of new antibiotics onto the Trust formulary, attendance at multidisciplinary antibiotic ward rounds and for the development of several PGDs. She is also involved in the Trust staff flu vaccination program. Marisa works closely with her colleagues across North Central London to lead local antimicrobial strategies as well as being a member of the UKCPA Pharmacy Infection Network Committee where she is currently responsible for developing a national infection curriculum for Pharmacy.



Dr Fabiana Lorencatto

Dr Fabiana Lorencatto is the Research Lead at the University College London Centre for Behaviour Change. She is a health psychologist whose primary research interest is in the application of behavioural science theories and frameworks to design and evaluate interventions to change behaviour; in particular those aiming to improve clinical practice by changing healthcare professional behaviours.

She works with a wide range of disciplines, practitioners and policy-makers and holds a number of grants related to infection prevention control and antimicrobial stewardship. She is the behavioural science lead on two multidisciplinary programmes of research funded by the UK Economic and Social Research Council, which aim to apply behaviour change theory to explore the broad range of individual, socio-cultural and environmental factors influencing behaviours related to antimicrobial use in different care settings (primary care, secondary care, care homes), as a basis for designing and optimising antimicrobial stewardship programmes.



Olaolu Oloyede

Olaolu Oloyede is the Chief Pharmaceutical Officer's Fellow at Public Health England, working predominantly on the Antimicrobial Resistance and Stewardship programme.

His current projects are centred on addressing the challenges of AMR through extracting insights and contextualise surveillance data and behavioural research. With a background in local commissioning, he has led on a various population health management projects to improve access and quality of care.



SPEAKERS

Professor Liz Sockett

Professor Liz Sockett is a world authority on understanding and testing predatory bacteria as infection treatments, funded by BBSRC, Leverhulme and DARPA (with programme manager Dr Jess Tyson). Liz and her research group study the predatory delta-Proteobacterium *Bdellovibrio bacteriovorus*. Their long-term goals are to establish *Bdellovibrio* as a treatment for Gram-negative bacterial infections in humans, and in animals and plants.

Liz has research collaborations with world leading experts on zebrafish models of infection, activity of bacterially predatory enzymes and clinically important emergent pathogens. She serves on UK and overseas grant panels (BBSRC, MRC Fellowships, DFG), strategic advisory boards (MRC's MRF Studentships & Leaders Programmes) and strategic review panels (Max Planck Institute for Microbiology at Marburg Germany and Institute of Infection, Immunity & Inflammation Glasgow). She was elected as a Fellow of American Academy of Microbiology and is a previous member of the Council of the UK Microbiology Society.



Emma Soo

Emma is a third year medical student at King's College London. She recently graduated with a BSc in Imaging Sciences. She is passionate about global health and health policy, but is exploring all areas of medicine. She believes that by advocating for better antibiotic behaviours, we can turn the tide against AMR. Emma enjoys spreading knowledge to other healthcare students and raising awareness about issues.



Yvonne Batson-Wright

Yvonne Batson-Wright has over 35 years' experience in the NHS as a Registered Nurse, Midwife, Health Visitor, Practice Nurse and Nurse Prescriber. She has been a key member of the King's Undergraduate Medical Education in the Community (KUMEC) community teaching network for 18 years, leading seminars across all years, examining OSCEs, and providing coaching to final year resitters.

Yvonne has delivered teaching sessions around communication skills, behaviour change, and history taking. She has worked with thousands of students and has consistently received excellent feedback reflecting her dedication and passion for providing a positive learning experience.

Yvonne currently works in the KUMEC team as Liaison and Support Lead for the GKT School of Medical Education (King's College London) Stage 2, Year 2 GP longitudinal placement. In this role she supports and advises teachers and students, as well as teaching on this placement one day a week. She has led the design of the 24 half-day workshops that form a key part of this longitudinal placement for all second-year students.



TEAM LEADS

Organising team:

- Dr Diane Ashiru-Oredope - Lead Pharmacist, AMR Programme, PHE
- Dr Rachel Chall - Senior Policy Officer, Veterinary, Medical and Dental Schools Council
- Andy Collier - Policy Officer, Veterinary, Medical and Dental Schools Council
- Emma Soo - 3rd Year Medicine, King's College London
- Nicole Watson - Policy Officer, Veterinary, Medical and Dental Schools Council
- Eno Umoh - AMR Programme Officer, Public Health England

Student support team:

- Halimah Olutayo Bakare – Final Year Pharmacy, University of Hertfordshire
- Amber Champion – 3rd Year Medicine, King's College London
- Miriam Haendler – 3rd Year Pharmacy, University College London
- Regina Idowu - 2nd year Pharmacy, University of Hertfordshire
- Nanoushka Maurice - 4th Year Pharmacy, University of Hertfordshire
- Nasteha Mohamed – 2nd Year Pharmacy, University Hertfordshire
- Lowri Kristina Morgan – 4th Year Pharmacy, University of Portsmouth
- Urvi Pillai - 2nd Year Pharmacy Student, University of Reading
- Antinda Toh - 4th Year Pharmacy, University of Hertfordshire
- Ee Woon Wong – Final Year Pharmacy, University College London

SPONSORS



Antibiotic Guardian is a behaviour change campaign for health and social care workers/professionals, students, educators and the public. Have you chosen your Antibiotic Guardian pledge?

Find out more via www.antibioticguardian.com



The Dental Schools Council is the representative body for dental schools across the UK and Ireland. It is the authoritative voice of dental education in the UK and Ireland, engaging in representative and policy work on matters relating to dental education as a whole. The Dental Schools Council works to maintain and improve quality in education, clinical training and research.



The Medical Schools Council is the representative body for UK medical schools. The council is made of the heads of UK medical schools and meets in order to shape the future of medical education in the UK.



PHE exist to protect and improve the nation's health and wellbeing, and reduce health inequalities. PHE is responsible for:

- Making the public healthier and reducing differences
- Protecting the nation from public health hazards
- Preparing for and responding to public health emergencies
- Improving the health of the whole population by sharing our information and expertise
- Supporting local authorities and the NHS to plan and provide health and social care services
- Researching, collecting and analysing data to improve our understanding of public health challenges.



The KCL Radiology Society is a long-standing society run by students for students. The main goal of the society KCL Radiology is to share our passion for Radiology and encourage medical students to explore this speciality. The society runs a wide range of events throughout the year with an aim to educate inspire students. These mainly take the form of academic events, where radiologists are invited to talk about their work and experience in the field, giving students a unique insight into the speciality.



The Veterinary Schools Council works to advocate, challenge and develop excellence in veterinary education, research and clinical service for the benefit of animal health and society. It represents seven UK veterinary schools and two non-UK associate members: the School of Veterinary Medicine, University College Dublin; and the Faculty of Veterinary Medicine, Utrecht University.

SUPPORTERS



4 All of Us Ltd is more than just an event organizer. We are building a better society by utilizing our profits to support young people & communities.

Our events are unique opportunities to bring people together, to network, share knowledge and to showcase best practice and new ideas.

We promote your event through dedicated websites & social media ideal 4 All of Us is a mission driven business. 4 All of Us utilises our profits to tackle Antimicrobial Resistance and improving health outcomes nationwide.



The British Society for Antimicrobial Chemotherapy exists to facilitate the acquisition and dissemination of knowledge in the field of antimicrobial chemotherapy.

At the forefront of the antimicrobial chemotherapy field, the Society meets its aims by setting standards for antimicrobial susceptibility testing and use, both within the UK and overseas, supporting microbiologists in their practice, and the promotion and provision of channels through which its Members can ensure their continuing professional development.

The Society collaborates with relevant bodies, both nationally and internationally, and currently leads national programmes of surveillance and susceptibility testing to determine the effectiveness of antimicrobial and chemotherapeutic agents.



Health Education England (HEE) exists for one reason only: to support the delivery of excellent healthcare and health improvement to the patients and public of England by ensuring that the workforce of today and tomorrow has the right numbers, skills, values and behaviours, at the right time and in the right place.

Our vision is to provide the right workforce, with the right skills and values, in the right place at the right time to better meet the needs and wants of patients – now and in the future.



King's College London is a global-thinking university located at the heart of Europe's largest and most cosmopolitan city. Thousands of students from across the world choose to study at King's every year.

Our international activity is having a tangible, positive impact on the world. Research projects with top Chinese institutions are helping us tackle cancer and mental health while our Global Health teams are building capacity in healthcare infrastructure and training in Sierra Leone, being some of the first on the ground during the Ebola crisis.

THANK YOU

With thanks to:

- The ABC:AMR organisation and communication teams for organising and spreading the word to and for UK healthcare students.
- The Communication Team in the Medical Schools Council for putting together the conference booklets.
- Public Health England for their invaluable input and support throughout the organisation process.
- KCL Radiology Society for their help in organisation and radiological aspect to AMR
- All the university colleagues that promoted conference to the students and finally all attending student delegates.
- Our Supporters: King's College London, All4Us, Health Education England and the British Society for Antimicrobial Chemotherapy

Dr Diane Ashiru-Oredope

Public Health England

On behalf of the organising team



Lecture 1: Keynote

Lecture 2: Innovative Problem Solving in Antimicrobial Resistance

Lecture 3: Behaviour Change Wheel and Antimicrobial Resistance

Workshop:
