



Clinical Research Network
West Midlands

NHS
*National Institute for
Health Research*

WARWICK

INTEGRATE
ANTIMICROBIAL RESISTANCE

AMR Sandpit (#AMRSandpit)

Who's Who

A graphic with a dark teal background. On the left, two light green speech bubbles point downwards. The first bubble contains the text 'INTEGRATE AMR Funding Opportunities'. The second bubble contains 'Fellowships', 'Pump Priming', and 'Events'. To the right of the bubbles are two white rectangular boxes. The top box contains the URL 'warwick.ac.uk/WAMIC' and the bottom box contains the Twitter handle '@Warwick_AMR'. On the far right, there is a faded version of the Warwick logo and the slogan 'Together we can Tackle Antimicrobial Resistance'.

INTEGRATE AMR
Funding
Opportunities

Fellowships
Pump Priming
Events

warwick.ac.uk/WAMIC

[@Warwick_AMR](https://twitter.com/Warwick_AMR)

WARWICK

INTEGRATE
ANTIMICROBIAL RESISTANCE

Together we can Tackle
Antimicrobial Resistance

First Name	Last Name	Affiliation	Expertise	Areas of Growth	AMR Areas of Interest	Notes
Gopikrishnan	Chandrasekharan	City University London	Clinical decision support Analytics	Clinical Research Patient feedback	Prescribing, Patient Outcomes, Diagnostics, Alternatives to Antibiotics, STIs	
Priya	Bagga	Clinical Research Network			Epidemiology, Microbiology, STIs	
Satyajit	Das	Coventry & Warwickshire Partnership NHS Trust			STIs, HIV	
Mohammed	Shaikh	CRN West Midlands	PPIE Action Research Qualitative research		Infection Control, Patient Outcomes, Epidemiology, Alternatives to Antibiotics, STIs	
Susie	Harrison	CRN WM			Microbiology, Alternatives to Antibiotics, STIs	

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Ed	Moran	Heart of England NHS FT	NHS consultant in infectious disease with special interests in TB, bone and joint infection, antibiotic stewardship and research interests in identifying factors associated with resistance emergence within hospital as well as how the use of broad spectrum antibiotics at home might also lead to the carriage of resistant organisms	Statistical support, research project design, greater academic links. We have a rich and potential fertile clinical research setting but lack established links to academic back up.	Infection Control, Prescribing, Behaviour, Diagnostics, Epidemiology, Microbiology, Genomics, Gram Negative Infections, AMR Monitoring	
Neil	Jenkins	Heart of England NHS trust	clinical infectious diseases	require access to molecular analysis of patient samples prior during and after antibiotics	Microbiology, AMR Monitoring	
David	Aanensen	Imperial college london	Microbial genomics, population biology, bioinformatics	mathematics and statistical input on sampling strategies and surveillance	Infection Control, Epidemiology, Microbiology, Genomics, Environmental AMR, One Health, STIs, Gram Negative Infections, C.diff, MRSA, AMR Monitoring, Bioinformatics	
Jane	Minton	Leeds Teaching Hospitals NHS Trust				
John	Fox	OpenClinical and Warwick (Statistics. honorary professor)	Decision science, knowledge engineering, Artificial Intelligence, Computerisation of clinical guidelines, dissemination of best practice	Clinical decision support systems, AI and machine learning	Prescribing, Behaviour, Patient Outcomes, Diagnostics, Alternatives to Antibiotics, Clinical decision support	

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Abid	Hussain	PHE	Antimicrobial Stewardship, rapid and modern laboratory diagnostics	Other interested parties	Infection Control, Hand Hygiene, Prescribing, Behaviour, Novel Antibiotics, Diagnostics, Microbiology, Gram Negative Infections, C.diff, MRSA, AMR Monitoring	
Owen	Lancaster	Public Health England	Genomics, bioinformatics, new technologies, antimicrobial resistance	Novel bioinformatics methods for the detection of antimicrobial resistance	Infection Control, Epidemiology, Microbiology, Genomics, Alternatives to Antibiotics, Tuberculosis, Gram Negative Infections, C.diff	
Esther	Robinson	Public Health England				
Esther	van der Werf	School of Social and Community Medicine, Centre of Academic Primary Care, University of Bristol	I am a lecturer in Epidemiology of Primary Care Infectious diseases, and joined the School of Social and Community Medicine and the Centre of Academic Primary Care (CAPC) in 2015. I obtained my PhD from Erasmus University Rotterdam (2006) in the Netherlands and subsequently worked at University of Medical Centre Utrecht and University of Applied Sciences Leiden, before coming to Bristol. My work to date relates to primary care, urology, quality of life, health promotion and alternative treatment to antibiotics.		Prescribing, Behaviour, Patient Outcomes, Epidemiology, Microbiology, Alternatives to Antibiotics	
Miruna	David	Univeristy Hospital Birmingham			Prescribing, Patient Outcomes, Diagnostics, Microbiology, Genomics, STIs, Gram Negative Infections, C.diff, AMR Monitoring	

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Jonathan	Ross	University Hospital Birmingham NHS Trust	RCTs NIHR HTA program - commissioning board, HTA journal editor Clinical - sexually transmitted infections, HIV Clinical delivery pathways	Patient outcomes Genomics Alternatives to antibiotics	Behaviour, Patient Outcomes, Diagnostics, Microbiology, Genomics, Alternatives to Antibiotics, STIs	
Peter	Munthali	University Hospitals of Coventry and Warwickshire NHS Trust	Antibiotic stewardship Behaviour and antibiotic prescribing	Behaviour and antibiotic stewardship	Infection Control, Prescribing, Behaviour, Microbiology, Alternatives to Antibiotics	
Wayne	Heaselgrave	University of Wolverhampton	Expertise: Specialist in high throughput drug screening against bacteria, fungi, protozoa, helminths and viruses Current areas of interest: 1) Development of novel treatments for: Bacterial keratitis, Fungal keratitis, Cutaneous Leishmaniasis and Acanthamoeba keratitis. 2) Development of a rapid diagnostic test for Acanthamoeba keratitis		Novel Antibiotics, Microbiology	
Daniel	Keddie	University of Wolverhampton	synthetic chemistry, precision polymer synthesis, small molecule synthesis	Application of novel antimicrobial polymers; new synthetic targets	Infection Control, Novel Antibiotics, Diagnostics, Medical Devices, Alternatives to Antibiotics	
Hannah	Adams	Warwick	I'm really interested and passionate about my future career and hope to one day be involved in the pharmaceutical sector and work within researching into either antibiotic resistance or oncology. My interests include chemistry and reading in depth about a subject.	I completed a project in the EPQ project in my first year of college and it was entitled: "to what extent is temozolomide the most effective drug for brain cancer" and it allowed me to explore mechanisms of drugs	Infection Control, Hand Hygiene, Prescribing, Behaviour, Patient Outcomes, Novel Antibiotics, Diagnostics, Medical Devices, Epidemiology, Microbiology, Genomics, Infection Models, Alternatives to Antibiotics, Tuberculosis, STIs, Gram Negative Infections, C.diff, MRSA, AMR Monitoring	

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James	Covington	Warwick	Detection and investigation of gas phase biomarkers for disease diagnostics from human waste. Also expertise in sensor and instrument development, including MEMS and microfluidics.	New collaborators in field of AMR.	Infection Control, Prescribing, Patient Outcomes, Diagnostics, Medical Devices, Tuberculosis, C. diff	
Daniel	Griffiths	Warwick			Novel Antibiotics, Microbiology, Genomics, Alternatives to Antibiotics, Gram Negative Infections	
Freya	Harrison	Warwick	Current areas of interest: chronic bacterial infection, microbe-microbe interactions in infection, cystic fibrosis, finding/testing antimicrobials. Knowledge: microbiology, developing lab models of specific infection contexts, microbial evolution. Equipment/techniques: high-validity lab models of chronic lung infection & soft-tissue wound infection.	1) I am looking for people who are interested in using and adapt my lung infection model to ask clinically-relevant questions in their field of expertise. 2) I am looking for clinical practitioners who are interested in collaborating to cross-validate my lung model with patient data to develop it into a platform for more predictive AMR profiling.	Novel Antibiotics, Diagnostics, Microbiology, Infection Models, Alternatives to Antibiotics, Gram Negative Infections	
Eleanor	Jameson	Warwick	Microbiology, gut microbiome, bacterial metabolites (and links to CVD), virome, phage, phage therapy, phage as reservoirs of AMR, animal models, ion chromatography, next generation sequencing and analysis, metabolomics, plaque assay, anaerobic culturing, growth curves, inhibition	Looking to work alongside clinical investigators, need to test samples for phage isolation, samples to isolate phage DNA/RNA	Microbiology, Genomics, Alternatives to Antibiotics, Environmental AMR, Gram Negative Infections, Phage	
Andrew	Millard	Warwick	Bacteriophage genomics, bacteriophage as mediators of AMR transfer. Bacteriophage as alternative		Microbiology, Genomics, Alternatives to Antibiotics, Environmental AMR	

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Chandrika	Nair	Warwick	CF lung microbiology	Interdisciplinary approaches to tackling antimicrobial resistance		
Lorenzo	Pellis	Warwick	multiscale models (within- and between-host) of transmitted drug resistance; host-pathogen co-evolution. Knowledge: mathematical models of infectious disease epidemiology. Equipment: computer. Techniques: mathematical models, analytical skills.	Interaction with clinicians, or people in need of analytical tools and statistical tools.	Infection Control, Epidemiology, Tuberculosis, STIs	
Antonia	Sagona	Warwick BBSRC Future Leader Fellow			Diagnostics, Infection Models, Alternatives to Antibiotics, Gram Negative Infections, AMR Monitoring	
Ann	Dixon	Warwick Chemistry	Membrane protein structural biology, protein-lipid interactions, proteins involved in 2-component resistance mechanisms, solution state NMR spectroscopy and biophysics	Seeking collaborations with experts in cell biology, in vivo investigation of protein function and membrane morphologies	Infection Control, Novel Antibiotics, Infection Models, Alternatives to Antibiotics, C.diff, MRSA	
Matthew	Gibson	Warwick Chemistry	Carbohydrate Chemistry, Biosensors, Glycobiology, Polymer Chemistry	Clinic colleagues and infection models. Access to clinical isolates for testing. New targets for rapid diagnostics	Infection Control, Novel Antibiotics, Diagnostics, Microbiology, Infection Models, Alternatives to Antibiotics, Tuberculosis, Gram Negative Infections	

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Martin	Wills	Warwick Chemistry	Synthetic organic chemistry, Interested in bioconjugation e.g. as used in antibody-drug conjugates (ADCs) for targeting drugs to sites of action, or for diagnostic tools.	Synthetic chemistry to generate medicinally -valuable molecules.	Novel Antibiotics, Diagnostics, Synthetic Organic Chemistry	
Pingyu	Zhang	Warwick Chemistry	photoactivated metal complexes for anticancer and antibacteria, photodynamic therapy, luminescence imaging	Peter J. Sadler from Chemistry, Warwick Christopher Dowson from Life Sciences, Warwick Hui Chao and Yongjun Lu from Sun Yat-sen University in China Chaonan Qian from Sun Yat-sen Cancer centre in China Hui	Novel Antibiotics, Alternatives to Antibiotics, AMR Monitoring	
Alfonso	Jaramillo	Warwick Life Sciences	Synthetic biology to create genetically-encoded sensors. Engineering of phage cocktails against targeted strains. Knowledge in physics, modelling, bioreactors, microfluidics, microscopy, synthetic biology, genome engineering, 3D printing, computational biology.	Collaborators interested in phage therapy testing. Also interested in modelling, construction and/or operation of fermentation reactors.	Microbiology, Alternatives to Antibiotics, Gram Negative Infections	
Deirdre	Hollingsworth	Warwick Mathematics Institute	Mathematical modelling of infectious disease	population dynamics of the spread of resistance, assessment of fitness, diagnostics	Infection Control, Patient Outcomes, Novel Antibiotics, Diagnostics, Epidemiology, Microbiology, Genomics, Infection Models, One Health, Tuberculosis, STIs	
Matt	Keeling	Warwick Mathematics Institute	Mathematical and statistical modelling as applied to infectious disease epidemiology. Science for policy.	Anyone with data and interesting problems in epidemiology	Infection Control, Prescribing, Behaviour, Epidemiology, Infection Models, Environmental AMR, One Health, Tuberculosis, STIs	

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Luke	Whincop	Warwick Mathematics Institute	<i>I am primarily a statistician, specialising in Bayesian Statistics. I am interested in using statistical methods in epidemiology to help prevent AMR.</i>	<i>I am working with the FSA to achieve efficient outcomes to ensure proper source attribution of Campylobacter cases and to ideally inhibit AMR.</i>	<i>Infection Control,Behaviour, Patient Outcomes, Novel Antibiotics,Epidemiology, Microbiology, Genomics, Infection Models, Alternatives to Antibiotics, Environmental AMR, One Health, Tuberculosis, MRSA, AMR Monitoring,, Genome Sequencing; bacterial evolution; data analysis and statistics</i>	
Blessing	Anonye	Warwick Medical School	<i>Infection models for Clostridium difficile infection Working on host pathogen interaction with C. difficile Towards a better understanding of C. difficile infection and thereby proposing novel avenues to therapy</i>	<i>Clinical collaborators with access to C difficile patients and other bacterial pathogens</i>	<i>Infection Control, Novel Antibiotics, Microbiology, Infection Models, Alternatives to Antibiotics, C.diff</i>	
Gavin	Perkins	Warwick Medical School	<i>Critical Care Medicine</i>			
Michael	Chappell	Warwick School of Engineering	<i>Mathematical modelling of biological, biomedical, pharmacokinetic and pharmacodynamic processes, quantitative and systems pharmacology, systems medicine</i>	<i>Academic (physical & life sciences), Clinical and Industrial collaborators. Access to relevant data.</i>	<i>Infection Control, Prescribing, Patient Outcomes, Novel Antibiotics, Diagnostics, Epidemiology, Infection Models, Alternatives to Antibiotics, Environmental AMR, Tuberculosis, Gram Negative Infections, MRSA, AMR Monitoring</i>	
Vishwesh	Kulkarni	Warwick School of Engineering	<i>My PhD thesis work was in control theory and mathematical programming. My current research is in systems biology and synthetic biology.</i>	<i>Looking to work with experts in biology and medicine to facilitate improvements in disease diagnosis and drug therapy.</i>	<i>Infection Control, Diagnostics, Medical Devices, Genomics, Tuberculosis</i>	

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Tara	Schiller	WMG/Warwick	<i>Making novel polymer and nanocomposites from sustainable resources. We have in-house characterisation equipment and central facilities that I have expertise in.</i>	<i>Integration into teams involving medical and life science staff.</i>	<i>Diagnostics, Environmental AMR, AMR Monitoring</i>	
Deborah	Griggs	WMS, Dean's Office and Professional Support Services	<i>My PhD and postdoctoral research was on antimicrobial resistance in gut pathogens (Salmonella and Campylobacter), however my role is now in research development and support, working with academics and clinicians applying for research funding. I maintain an interest in AMR and am particularly keen to support activity research in this area.</i>	<i>See comments above. I understand that the event is aimed at researchers and health professionals, but as I have a background in AMR and experience in securing research funding, then I may be able to contribute something to the event.</i>	<i>Novel Antibiotics, Microbiology, Genomics, Gram Negative Infections</i>	
Alexia	Hapeshi	WMS, Microbiology & Infection, Biomed Sci			<i>Novel Antibiotics, Microbiology, Genomics, Infection Models</i>	
Meera	Unnikrishnan	WMS, Microbiology & Infection, Biomed Sci			<i>Infection Control, Novel Antibiotics, Microbiology, Infection Models, Tuberculosis, C. diff, MRSA</i>	