



Antimicrobial resistance conference

Bridging the Gaps: Systems-level approaches to antimicrobial resistance

Thursday 7- Friday 8 September 2017

**A14, Pope Building, University Park campus,
The University of Nottingham**

Thursday 7th September – Human health & drug discovery focus

Timing	Minute length	Activity
9:00-10:00	60	Registration and breakfast networking, Tea, coffee and pastries provided
10:00-10:10	10	Welcome by Professor John King, Principal Investigator of Bridging the Gaps
10:10-10:40	30	Dr Timo Smieszek Senior Health Economist / Senior Mathematical Modeller, Public Health England
10:40-11:10	30	Dr Matthew Jenner Post-doctoral Research Fellow, University of Warwick
11:10-11:20	10	Funded project: Desktop Viral Diagnostic
11:20-11:30	10	Funded project: Improving surgical site infection prevention practices to reduce antibiotic use and antimicrobial resistance
11:30-11:55	25	Break and opportunity to view poster presentations Room A17
11:55-13:00	65	Flash presentations
13:00-14:00	60	Buffet lunch and opportunity to view the poster presentations A17
14:00-15:00	60	Panel discussion and questions
15:00-15:10	10	Funded project: Rapid detection of pathogens from diarrheal stool samples to improve antibiotic stewardship and facilitate targeted therapy
15:10-15:20	10	Funded project: Super-porous microspheres for enhancing rapid immuno-diagnosis of bacterial infection
15:20-15:30	10	Funded project: Smart pocket sensor for rapid diagnosis of urinary tract infections (UTIs)
15:30-15:40	10	Funded project: Development of Dual Anti-Adhesive/Antimicrobial Medical Devices
15:40-15:50	10	Funded project: Multi Layered and Blended Deposition of Sacrificial Thin-Film Coatings of Phosphate Based Glasses For Preventing Biofilm Formation
15:50-16:00	10	Funded project: Is antimicrobial resistance determined by downregulation of the antimicrobial peptide human beta-defensin 9 (HBD-9)?
16:00-16:30	30	Break and opportunity to view poster presentations



		Room A17
16:30-16:40	10	Funded project: Antimicrobial peptide human defensin-5: an agent for tackling AMR and Crohn's disease
16:40-17:10	30	Overview of funding opportunities in AMR
17:10-18:00	50	Round table discussion on major upcoming issues in antimicrobial resistance
18:00-18:30	30	Dr Tim Sloan Clinical Microbiologist, Nottingham University Hospitals
18:30-19:00	30	Professor Richard James Emeritus Professor of Microbiology, The University of Nottingham
19:00-20:00	60	Dinner Room A14
20:00-20:20	20	Lillian Greenwood MP
20:20-21:00	40	Networking and close

Friday 8th September – Environment, animal health & food security focus

Timing	Minute length	Activity
9:00-10:00	60	Registration and breakfast networking, Tea, coffee and pastries provided
10:00-10:10	10	Welcome by Professor John King, Principal Investigator of Bridging the Gaps
10:10-10:40	30	Dr Paul Cook Head of Microbiological Risk Assessment, Food Standards Agency
10:40-11:10	30	Michael Seals MBE Chair, The Animal Health and Welfare Board for England (AHWBE)
11:10-11:35	25	Break and opportunity to view poster presentations Room A17
11:35-12:05	30	Aimee Murray University of Exeter, representing Dr Will Gaze's team
12:05-12:15	10	Funded project: Bacteriophages driving evolution towards loss of drug resistance – broadening phage host range
12:15-12:25	10	Funded project: The role of sheep in the transmission of AMR between farms and between environments
12:25-12:35	10	Funded project: AMR Co-selection & Metal Resistance Mitigation and High Value Metal Recovery from Cattle Footbaths
12:35-12:45	10	Funded project: Exploiting the potential of Raman Microscopy for real-time molecular imaging of quorum sensing activation and inhibition in situ in planktonic bacterial cells and biofilms
12:45-12:55	10	Funded project: In vitro DMPK studies of quorum sensing inhibitors
12:55-13:05	10	Funded project: Novel diagnostic solutions based on machine learning and mass spectrometry to fight the increase of drug-resistant bacterial strains causing bovine mastitis
13:05-14:05	60	Buffet lunch and opportunity to view the poster presentations



		Room A17
14:05-14:15	10	Funded project: Sleeping with the (AMR) enemy: evaluating the impact of separated cattle slurry on the environment, and within cattle bedding on antimicrobial resistance and co-selective drivers
14:15-14:25	10	Funded project: Increasing phage susceptibility in AMR E. coli strains; drug-based modulation of plasmid-mediated sex pilus production
14:25-14:35	10	Funded project: Should we worry about slurry?
14:35-14:50	15	Break and opportunity to view poster presentations Room A17
14:50-15:55	65	Panel discussion and questions
15:55-16:20	25	Closing comments and thanks

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