



Modelling Competition between Pathogens and the Evolution of AMR

PROGRAMME

Tuesday 18th July 2017

12:00 – 12:45	Registration and lunch	
SESSION 1: Chaired by Kieran Sharkey, Liverpool Centre for Mathematics in Healthcare		
12:45 – 13:00	Welcome and Introduction	Kieran Sharkey, Liverpool Centre for Mathematics in Healthcare
13:00 – 13:30	TBC	Aras Kadioglu, University of Liverpool
13:30 – 14:00	Staphylococcus Aureus Infection Dynamics	Simon Foster, University of Sheffield
14:00 – 14:30	Studying diverse microbial populations in chronic lung infections	Jo Fothergill, University of Liverpool
14:30 – 15:00	Tea & Coffee Break	
SESSION 2: Chaired by Kate Baker, University of Liverpool		
15:00 – 15:30	Whole genome sequencing for routine surveillance of gastrointestinal pathogens	Tim Dallman, Public Health England
15:30 – 16:00	Evolutionary epidemiology of <i>Staphylococcus aureus</i> virulence	Mario Recker, University of Exeter
16:00 – 16:30	Tea & Coffee Break	
SESSION 3: Chaired by Jon Read, University of Lancaster		
16:30 – 17:00	Modelling the dynamics of antibiotic resistance in gonorrhoea to determine fitness benefits and costs	Lileth Whittles, Imperial College
17:00 – 17:30	Investigating novel treatments for bacterial infections with mathematical models	Sara Jabbari, University of Birmingham
18:30	Workshop Dinner at 60 Hope Street	

Wednesday 19th July 2017

9:00-9:30	Tea & coffee	
SESSION 4: Chaired by Sarah O'Brien, University of Liverpool		
9:30 – 10:00	Antimicrobial resistance: What's One Health got to do with it?	Nicola Williams, University of Liverpool
10:00 – 10:30	The drivers of norovirus pandemics	Chris Ruis, University College London
10:30 – 11:00	Pharmacokinetic-Pharmacodynamic Modelling to Address Challenges in AMR	William Hope, University of Liverpool
11:00 – 11:30	Tea & Coffee Break	
SESSION 5: Chaired by Bakhti Vasiev, University of Liverpool		
11:30 – 12:00	TBC	Andrew Hoyle, University of Stirling
12:00 – 12:30	TBC	TBC
12:30	Lunch	