

Registration and Coffee (8.15 - 9.00)	
Introduction (9.00 - 9.10)	
Session 1: The interface between hosts and pathogens (9.10 - 10.30) – Chair: Andres Floto	
9.10	Róisín Owens (Department of Chemical Engineering and Biotechnology): Bioelectronic devices for monitoring viral entry to cell membranes and complex tissues in vitro
9.30	Camilla Godlee (Department of Biochemistry/Pathology): How membrane integration of virulence proteins enables bacterial pathogenesis
9.50	Sam Wilson (Cambridge Institute for Therapeutic Immunology and Infectious Disease): Innate immune barriers to viral emergence and pathogenesis
10.10	Madelyn Moy (Wellcome Sanger Institute): Understanding host-microbe interactions at single-cell resolution
Break + Poster Session I (10.30-11.10)	
Session 2: Reproduction and infectious diseases (11.10 - 12.10) – Chair: Caroline Trotter	
11.10	Richard McKay (Department of History and Philosophy of Science): Using archival records to understand mid-20th-century patient experiences of sexually transmitted infections at East London's Whitechapel Clinic
11.30	Nerea Irigoyen (Department of Pathology): Zika viruses encode 5' upstream open reading frames affecting infection of human brain cells
11.50	Mat Beale (Parasites and Microbes Programme, Wellcome Sanger Institute): What can we learn from understanding global transmission dynamics of <i>Treponema pallidum</i> ?
Flash talks (12.10 - 12.40) – Chair: Angkana Huang	
Lunch (12.40 - 13.30)	
Session 3: Bacterial behaviour (13.30 - 14.50) – Chair: Jeanne Salje	
13.30	Graham Christie (Department of Chemical Engineering and Biotechnology): Bacillus spores, pores and resistance
13.50	Sivan Nir-Luz (Department of Chemistry): Biomimicry in action: Engineering surfaces to outsmart biofouling
14.10	Malaka De Silva (Department of Genetics): Phage-plasmid borne methionine tRNA ligase mediates epidemiologically relevant antimicrobial persistence
14.30	Kieran Abbott (Department of Genetics): Antibiotic persisters: identification, heterogeneity, and implications for treatment
Flash talks (14.50 - 15.20) – Chair: Charlotte Hammer	
Break + Poster Session II (15.20 - 16.00)	
Session 4: Antimicrobial resistance and One Health (16.00 - 17.20) – Chair: Julian Parkhill	
16.00	Lovleen Bhullar (Department of Land Economy): AMR in the environment: What's law got to do with it?
16.20	Nichola Hawkins (Plant Pathology, NIAB): Evolution of fungicide resistance in plant pathogens
16.40	Lucy Weinert (Department of Veterinary Medicine): Does shared antibiotic use promote host jumps?
17.00	Edwin Panford-Quainoo (Liverpool School of Tropical Medicine): Beyond the counter: Unravelling the unexpected relationships behind antibiotic access
Closing + awards (17.20 - 17.30)	
Drinks reception (17.30 - 18.30)	