

Cambridge Infectious Diseases Annual Symposium 2024

Monday 4th March
Robinson College (Cambridge, UK)



Keynote speaker:
Hagan Bayley (University of Oxford)

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CAMBRIDGE INFECTIOUS DISEASES



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Registration and Coffee (8.15 - 9.00)

Introduction (9.00 - 9.10)

Session 1: Bacterial pathogens and their hosts (9.10 - 10.30) – Chair: Brian Ferguson

9.10	Alex Almeida (Department of Veterinary Medicine): Charting a metagenomic atlas of the uncultured microbiome in health and disease
9.30	Josie Bryant (Wellcome Sanger Institute): Spatial heterogeneity and microenvironments in the lung microbiome
9.50	Jeanne Salje (Department of Biochemistry/Pathology): <i>Orientia tsutsugamushi</i> and the obligate intracellular lifestyle

Break + Poster Session I (10.10-10.50)

Session 2: Parasitology (10.50 - 11.50) – Chair: Cinzia Cantacessi

10.50	Maria Duque-Correa (Wellcome-MRC Cambridge Stem Cell Institute): Unravelling the whipworm niche at the host intestinal epithelia
11.10	Piers Mitchell (Department of Archaeology): Parasites in past civilizations
11.30	Sebastian Eves-van den Akker (Department of Plant Sciences): AI-powered holistic and dynamic phenotyping of parasitic nematodes

Flash talks (11.50 - 12.20) – Chair: Elli Mylona

Lunch (12.20 - 13.20)

Session 3: Drugs and Vaccines (13.20 - 14.40) – Chair: Clare Bryant

13.20	Kate Baker (Department of Genetics): Applied microbial genomics for <i>Shigella</i> and AMR
13.40	Ulrich Keyser (Department of Physics): TBC
14.00	Chris Ruis (Department of Medicine/Veterinary Medicine): A molnupiravir-associated mutational signature in global SARS-CoV-2 genomes
14.20	Andrew Conlan (Department of Veterinary Medicine): BCG vaccination reduces bovine tuberculosis transmission, improving prospects for elimination

Flash talks (14.40 - 15.10) – Chair: Angkana Huang

Break + Poster Session II (15.10 - 15.50)

Session 4: Technological innovation (15.50 - 16.30) – Chair: Andres Floto

15.50	Jonathan Heeney (Department of Veterinary Medicine): Combating infectious diseases by computationally engineered vaccines
16.10	Dushanth Seevaratnam (Department of Engineering): TBC
16.30	Mark Howarth (Department of Pharmacology): Studying and controlling the immune system using bacterial superglues
16.50	Keynote Speaker: Hagan Bayley (University of Oxford): Synthetic, living and hybrid tissues by printing and microfluidics

Closing + awards (17.30 - 17.45)

Drinks reception (17.45 - 18.30)