****

**Microbiology@UCL Virtual Symposium 2021**

**Day 1: 29th June 10:00 – 14:45**

09:55 – 10:00 Welcome and housekeeping (opening slide)

**Session 1: SARS-CoV-2 Variants**

Chair: [Rob Heyderman](https://iris.ucl.ac.uk/iris/browse/profile?upi=RSHEY52), Infection & Immunity

10:00 Opening: [**Joanne Santini**](https://iris.ucl.ac.uk/iris/browse/profile?upi=JMSAN31) (Structural & Molecular Biology and Domain lead)

10:05 **Keynote:** [**Katrina Lythgoe**](https://www.bdi.ox.ac.uk/Team/katrina-lythgoe)(Big Data Institute, Oxford University)

*SARS-CoV-2 within-host diversity and transmission*

10:50 [**Steven Kemp**](https://iris.ucl.ac.uk/iris/browse/profile?upi=SKEMP80) (Infection & Immunity)

*SARS-CoV-2 evolution during treatment of chronic infection*

11:15 Zaneeta Dhesi(Centre for Clinical Microbiology)

*Rapid diagnosis and treatment of hospital-acquired and ventilator-associated pneumonia in Intensive Care Unit patients*

11:20 Samuel Ellis (Infection, Immunity & Inflammation, UCL GOS Institute of Child Health)

*Longevity and Neutralisation Activity of Secretory IgA following SARS-CoV-2 Infection*

11:25 [**Lucy van Dorp**](https://iris.ucl.ac.uk/iris/browse/profile?upi=VANDO45)(Genetics, Evolution & Environment)

*The changing landscape of SARS-CoV-2 genetic diversity*

11:50Alyssa Pandolfo (Practice & Policy)

*Intensivists’ beliefs about rapid multiplex molecular diagnostic testing and its potential role in improving prescribing decisions and antimicrobial stewardship: a qualitative study*

11:55 Sylvia Rofael (Centre for Clinical Microbiology)

*Enrichment of the airway microbiome in people living with HIV with potential pathogenic bacteria despite antiretroviral therapy*

12:00 break

**Session 2: Microbial Defence and Resistance**

Chair: [Kristine Arnvig](https://iris.ucl.ac.uk/iris/browse/profile?upi=KARNV52) (Structural & Molecular Biology)

13:00 **Keynote:** [**Malcom White**](https://risweb.st-andrews.ac.uk/portal/en/persons/malcolm-white(7d4c564b-948c-4c1f-ae76-50e5da2ced93).html)(School of Biology, University of St Andrews)

*Cyclic nucleotide signalling in virus:host conflict*

13:45 [**Shozeb Haider**](https://iris.ucl.ac.uk/iris/browse/profile?upi=SMSSH06) (Pharmaceutical and Biological Chemistry)

*Allosteric communication in class A β-lactamases*

14:05 Marco Crisci (Structural & Molecular Biology)

*Closely related Lak megaphages replicate in the microbiomes of diverse animals*

14:10Rupy Matharu (Mechanical Engineering and Civil, Environmental & Geomatic Engineering)

*Antiviral properties of carbon based materials*

14:15 [**Dimitrios Evangelopoulos**](https://iris.ucl.ac.uk/iris/browse/profile?upi=DEVAN98) (Microbial Diseases, Eastman Dental Institute)

*Strategies for delaying the development of drug resistance*

14:35 Martyna Michalska (Electronic & Electrical Engineering)

*Mechano-bactericidal activity of bioinspired glass nanopatterns*

14:40 Close and end of day 1: [**Joanne Santini**](https://iris.ucl.ac.uk/iris/browse/profile?upi=JMSAN31) (Structural & Molecular Biology and Domain lead)

**Day 2: 30th June 13:00 – 15:00**

12:55-13:05 Welcome and housekeeping (opening slide)

**Session 3: Vaccines**

Chair: [Helen Bedford](https://iris.ucl.ac.uk/iris/browse/profile?upi=HEBED28) (Population, Policy & Practice, UCL GOS Institute of Child Health)

13:05 [**Jasmin Samaras**](https://iris.ucl.ac.uk/iris/browse/profile?upi=JSAMA75) (Biochemical Engineering)

*Developing a Scalable Automated Platform for Vaccine Development*

13:30 **Keynote:** [**Adrian Hill**](https://www.jenner.ac.uk/team/adrian-hill)(The Jenner Insitute, Oxford University)

*Malaria Vaccine Development: a good year 111!*

14:15 [**Sarah Edwards**](https://iris.ucl.ac.uk/iris/browse/profile?upi=SJLED13)(Science & Technology Studies)

*Title TBA*

14:40 ECR Talk Prize and Acknowledgements: China Hanson (Microbiology@UCL Domain Manager)

14:45 Summation and Close: [**Joanne Santini**](https://iris.ucl.ac.uk/iris/browse/profile?upi=JMSAN31) (Structural & Molecular Biology and Domain lead)

14:50 end

With thanks to our sponsor:

