

Clinical Virology Network 2023

Monday 15th May (afternoon)

12.30

CVN provided lunch and opportunity to view sponsor stands

13:00 - 13:30

RSV and monoclonal antibodies/prevention and management of infection
Dr Simon Drysdale, St George's University Hospitals NHS Foundation Trust

13:30 - 14:20

Herpesvirus infections in patients in critical care units

Dr Elizabeth Parker, Nottingham University Hospitals NHS Trust & Professor Will Irving, University of Nottingham

14:20 - 14:50

CVN Commercial Sponsor slot (several short presentations)

14:50 - 15:20

Standardisation in Virology

Jacqueline Fryer/Carmelina Vinci, NIBSC

15:20 - 15:50

Break

15:50 - 16:20

HTLV

Professor Graham Taylor, Imperial College London

16:20 - 16:35

Offered paper:

Successful management of maternal and neonatal dengue through prompt virological diagnosis.

KDST Abeywardana, N Menike, MARV Muthugala.

Ministry Of Health Sri Lanka

16:35 - 16:50

Offered paper:

Convalescent plasma treatment of COVID-19: Antibody profiles of donors and patients

Visa Nurmi^{1,2*}, Hannia L. Almonacid-Mendoza³, Chanice Knight¹ et al.

¹Nuffield Department of Medicine, Peter Medawar Building for Pathogen Research, University of Oxford, Oxford, OX1 3SY, UK

16:50 - 17:05

Offered paper:

Going Viral with Antimicrobial Stewardship

Andrew Bosworth, Abi Jenkins, Jubeyr Ahmed, Mike Kidd, Husam Osman, Sowsan Atabani

University Hospitals Birmingham

17:05 - 17:35

Back to the future – a career in clinical virology

Professor Jangu Banatvala, Emeritus Professor of Clinical Virology, Guy's, King's and St Thomas' School of Medicine

17:35 - 18:00

CVN Business

18:00 – 18:30

Poster Viewing

Evening

CVN evening meal (for those who have pre-booked)

Tuesday 16th May (morning)

Clinical Virology Network (CVN)

This session will involve a broad range of clinical virology cases or short papers relevant to the clinical virology network.

10:00 - 10:15

Offered paper:

Genomic investigations of unexplained acute hepatitis in children

Sarah Morfopoulou^{1,2} *, Sarah Buddle¹ *, Oscar Enrique Torres Montaguth¹ et al

¹Infection, Immunity and Inflammation Department, Great Ormond Street Institute of Child Health, University College London, London, UK

10:15 - 10:30

Offered paper:

Pronounced post-COVID-19 rebound of adeno-associated virus type 2 (AAV-2) infections are temporally associated with the outbreak of unexplained severe acute hepatitis in children in the UK

Shannah Gates^{1*}, Julien Andreani², Rebecca Dewar³, et al.

¹Microbiology Services, National Health Service (NHS) Blood and Transplant, London, UK;

10:30 - 10:50

CVN Commercial Sponsor slot (several short presentations):

10:50 - 11:05

Offered paper:

**Enteroviral molecular and clinical epidemiology, Nottingham & Birmingham
May 2021 – March 2023**

Patrick McClure

University of Nottingham

11:05 - 11:20

Offered paper:

**Estimating prevalence of Enterovirus D111 in human and non-human
primate populations using cross-sectional serology**

Everlyn Kamau¹, Mael Bessaud^{2,3}, Peter Simmonds¹, Heli Harvala^{4,5*}

¹Nuffield Department of Medicine, University of Oxford, UK

11:20 – 11:50

Break

11:50 - 12:05

Offered paper:

**Ultra-sensitive HBV DNA detection and risk prediction of occult hepatitis B
virus infection in blood donors in England**

Michael Fu^{1*}, Monique Andersson², Peter Simmonds¹, Heli Harvala³

¹Nuffield Department of Medicine, University of Oxford, Oxford, UK

12:05 - 12:20

Offered paper:

**3-antigen HBV vaccine, composed of small (S), medium (S+pre-S2), and
large (S+pre-S2+pre-S1) HBV surface proteins, induces a high immune
response and long-term persistence of anti-HBs antibodies**

Timo Vesikari¹, Aino Forstén¹, Vlad Popovic², Johanna Spaans², Andrew Boyle³,
and Francisco Diaz-Mitoma²

¹Nordic Research Network Oy, Tampere, Finland, ²VBI Vaccines Inc.,
Cambridge, Massachusetts, United States, ³Syneos Health Europe

12:20 - 12:35

Offered paper:

Emerged virus infections in Emergency Department surveillance in South London

Patel N¹, Lampejo T¹, Mizzi O², Agarwal K³, Sudhanva M¹, Zuckerman M¹

¹Department of Infection Sciences, King's College Hospital, London

12:35 - 12:50

Offered paper:

The role of whole genome sequencing in revealing an HCV outbreak in Northern Ireland

Bibby DF¹, Bradshaw D¹, Armstrong G² et al.

¹UK Health Security Agency, ²Public Health Agency of Northern Ireland, ³Belfast Health & Social Care Trust



Tuesday 16th May (afternoon)

13:45 - 13:50

William Tong Prize award

13:50 - 14:20

Climate change – vector borne viral infections emerging

Joylon Medloc, UKHSA Porton

14:20 – 14:50

Long COVID-19 – pathogenesis and management

Professor Danny Altmann, Imperial College London

14:50 - 15:20

Progress Towards WHO HCV Elimination Targets Dr Mark Gillyon-Powell,
Kingston University

Posters:

Verification of the Qiagen NeuMoDx 288 automated random access system for the high-throughput Sars-CoV-2 testing service at UHSussex

Shoshanna May, Sanjay Vaghela, Benjamin Nwobodo, Mohini Kaneri, Grace Agbo, Asad Khan, Komal Vaghela, Mohammed Hassan-Ibrahim

Department of Microbiology, Pathology, University Hospitals Sussex, United Kingdom

Verification of the Biofire RP2.1 assay for the detection of respiratory viruses and assessment of the assay's suitability for the identification of potential Avian Influenza cases

Shoshanna May, Cassandra Malone, Nicola Chaloner, Komal Vaghela and Mohammed Hassan-Ibrahim

Department of Microbiology, Pathology, University Hospitals Sussex, United Kingdom

Verification of the NeuMoDx FluA/FluB/RSV/Sars-CoV-2 assay on the NeuMoDx 288 system

Shoshanna May, Stephen Adetunji, Benjamin Nwobodo, Asad Khan, Grace Agbo, Komal Vaghela and Mohammed Hassan-Ibrahim

Department of Microbiology, Pathology, University Hospitals Sussex, United Kingdom

RPRing faith in congenital syphilis testing: when you can't trust the serology

Jubeyr Ahmed, Helen Fifer², Sowsan Atabani, Mike Kidd, Husam Osman¹

¹Dept of Virology, UKHSA (UK Health Security Agency), Birmingham Heartlands hospital
²Blood Safety, Hepatitis, STI & HIV Division, UKHSA, Colindale

Guidelines for the management of norovirus outbreaks in acute and community health and social care settings

Claire Mullender¹, Paul R. Chadwick², Eamonn Trainor³, Gemma L. Marsden^{2,4}, Samuel Mills^{5,6}, Claire Chadwick⁷, Sarah J. O'Brien⁸, Cariad M. Evans⁹, Pixy Strazds^{7,10}, Sarah Turner^{7,11}, Valya Weston,^{2,7,13} Michelle S. Toleman^{2,14}, Clara de Barros,¹⁵ Graziella Kontkowski^{15,16}, Aggie Bak^{2,5}

¹ University College London; ². Healthcare Infection Society, London, UK; ³. Northern Care Alliance NHS Foundation Trust, Greater Manchester, UK; ⁴. Royal College of General Practitioners, London, UK; ⁵. British Infection Association, Seafield, West Lothian, UK; ⁶. Oxford University NHS Foundation Trust, Oxford, UK; ⁷. Infection Prevention Society, London, UK; ⁸. Newcastle University, Newcastle, UK; ⁹. Sheffield Teaching Hospital NHS Foundation Trust, Sheffield, UK; ¹⁰. St Andrew's Healthcare, Northampton, UK; ¹¹. Stockport Council, Stockport, UK; ¹³. NHS England, London, UK; ¹⁴. Cambridge University Hospitals NHS Trust, Cambridge, UK; ¹⁵. Lay Member; ¹⁶. C Diff Support