

FIS 2021

Federation of Infection Societies Conference

Friday 5 November | Manchester Central, UK

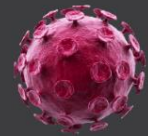
Monday 8 - Tuesday 9 November | Online



Hosted by



British Infection Association



The programme has been awarded 10 CPD credits by the Royal College of Pathologists. Any presentations viewed following the live event can be self-accredited via your CPD portfolio.

Please note that the programme timings are in GMT.

MONDAY 8 NOVEMBER 2021

FIS THEATRE

09:25-09:30 **Welcome**
Dr Rajeka Lazarus, BIA Meetings Secretary

FIS THEATRE

09:30-10:45 **Aerosol generating procedures and COVID**
BIA (*Live session*)

Chair: Dr Ed Moran

09:30 – 09:45
Respiratory aerosol: Size, concentration and properties
Professor Jonathan Reid, University of Bristol

09:45 – 10:00
The aerosolisation and transmission of SARS-CoV-2 in healthcare settings (AERATOR study): Results from oxygen delivery systems and lung function testing.
Dr James Dodd, Consultant & Senior Lecturer in Respiratory Medicine, University of Bristol & North Bristol NHS Trust

10:00 – 10:15
SARS-CoV-2 environmental contamination from hospitalised COVID-19 patients receiving aerosol generating procedures
Dr Chris Green, Senior Clinical Lecturer & Consultant Physician in Infectious Diseases, University of Birmingham, Rebecca Winslow, Ella Windle and Intesar Nur

10:15 – 10:45
Question and answer

JD WILLIAMS THEATRE

The role of sustainability, auditing and training in decontamination
Central Sterilising Club

Chair: Gill Ellis-Pow

09:30 – 09:45
How long is the green road to sustainability?
Rose Gallagher MBE, Professional Lead Infection Prevention and Control, Royal College of Nursing

09:45 – 10:00
Role of audits in decontamination
Sarah Marshall, JAG Lead Nurse, Joint Advisory Group

10:00 – 10:15
Development of a training manual for decontamination
Val O'Brien, Central Sterilising Club

10:15 – 10:45
Question and answer

LOWBURY AUDITORIUM

No ID in PUO
Welsh Microbiology Association

Chair: Dr Brendan Healy

09:30 – 09:45
Heavy petting
Dr Clemency Nye, University Hospital Wales

09:45 – 10:00
When the drugs don't work
Dr Gwennan Llwyd Jones, Public Health Wales

10:00 – 10:15
Treating blindly
Dr Shuchita Soni, Public Health Wales and Cardiff and Vales University Health Board

10:15 – 10:45
Question and answer

10:45-11:00 **BREAK**

DAY 2 – ONLINE

<p>11:00-12:15</p>	<p>WGS and AST in anaerobes The Society for Anaerobic Microbiology <i>Chair: Harriet Hughes</i></p>	<p>Hospital acquired infection Healthcare Infection Society <i>Chair: Dr Nabeela Mughal</i></p>	<p>Optimising dosing for AMS UKCPA Pharmacy Infection Network <i>Chair: Adel Sheikh</i></p>
	<p>11:00 – 11:18 Developments in AST and AMR surveillance of anaerobic bacteria Trefor Morris, Lead Biomedical Scientist, UK Anaerobe Reference Unit (UKARU), Public Health Wales</p> <p>11:18 – 11:36 Fusobacterium necrophorum – what does WGS tell us? Michael Perry, Deputy Lead Scientist, UK Anaerobe Reference Unit (UKARU), Public Health Wales</p> <p>11:36 – 11:54 Biofilms, fusobacterium nucleatum and AST Sarah Kuehne, Senior Lecturer, University of Birmingham</p> <p>11:54 – 12:15 Question and answer</p>	<p>11:00 – 11:15 Development and implementation of hospital-onset COVID-19 infection surveillance Dr James Price, Director of Infection Prevention and Control, Imperial College Healthcare NHS Trust</p> <p>11:15 – 11:30 Global applications of hospital-onset COVID-19 infection surveillance and integration into IPC systems Professor Benedetta Allegranzi, Infection Prevention and Control Technical Lead, World Health Organisation</p> <p>11:30 – 11:45 Hospital COVID-19 surveillance system using network analysis Professor Mauricio Barahona, Imperial College London</p> <p>11:45 – 12:15 Question and answer</p>	<p>11:00 – 11:15 Dosing of ABX in response to EUCAST Stephen Hughes, Consultant Antimicrobial Pharmacist, Chelsea and Westminster Hospital NHS Foundation Trust</p> <p>11:15 – 11:30 Antibiotic dosing in sepsis Marisa Lanzman, Senior Pharmacist Microbiology & ITU, Royal Free London NHS Foundation Trust</p> <p>11:30 – 11:45 Optimising antimicrobial dosing in paediatrics Orlagh McGarrity, Lead Antimicrobial Pharmacist, Great Ormond Street Hospital for Children NHS Trust</p> <p>11:45 – 12:15 Question and answer</p>
<p>LUNCH</p>			
<p>FIS THEATRE</p>			
<p>12:15-13:30</p>	<p><i>Chair: Professor Tom Rogers</i></p> <p>12:30 – 13:00</p> <ul style="list-style-type: none"> a) Managing pneumonia in the post-COVID era – how do we do it? b) Premise: <ul style="list-style-type: none"> i. What has happened to MRSA post COVID? ii. MRSA screening strategies? iii. Management of MRSA respiratory infections <p>Dr Abid Hussain, Associate Medical Director & Infection Control Doctor, Cons Microbiologist, University Hospitals of Birmingham NHS Foundation Trust</p> <p><i>Sponsored company symposium supported by Menarini</i></p> <p>13:00 – 13:30</p> <p>Managing Complex Patients with Invasive Fungal Infections Dr Neil Stone, Consultant in Infectious Diseases and Microbiology</p> <p><i>Sponsored company symposium by Pfizer</i></p>		
	<p>FIS THEATRE</p>	<p>JD WILLIAMS THEATRE</p>	<p>LOWBURY AUDITORIUM</p>
<p>13:30-14:45</p>	<p>Leadership Infection Prevention Society <i>Chair: Jennie Wilson</i></p>	<p>Hot Topics in STIs: gonorrhoea AMR, mycoplasma genitalium and syphilis British Association of Sexual Health and HIV <i>Chair: Catherine Ison</i></p>	<p>COVID-19 and antimicrobial stewardship: what did we learn BSAC <i>Chair: Andrew Seaton</i></p>

	<p>13:30 – 13:50 Truth to power: IPC as the champion of compassionate people-centred care Julie Storr, Consultant, S3 Global</p> <p>13:50 – 14:10 Leading in complex organisations and challenging times Dr Neil Wigglesworth, Director of Infection Prevention and Control, East Kent Hospitals University NHS Foundation Trust</p> <p>14:10 – 14:30 Humble leadership: The secret ingredient in quality improvement project leadership Dr Matsikachando Moyo, Lecturer, Solent University</p> <p>14:30 – 14:45 Question and answer</p>	<p>13:30 – 13:45 Gonorrhoea resistance and an update on management approaches Professor Jonathan Ross, Professor of Sexual Health and HIV, University of Birmingham</p> <p>13:45 – 14:00 Congenital syphilis: an update Dr Helen Fifer, Consultant Microbiologist, UK Health Security Agency and Achyuta Nori, Consultant Sexual Health/HIV Physician, Guy's and St Thomas' NHS Foundation Trust</p> <p>14:00 – 14:15 Treatment challenges in symptomatic mycoplasma genitalium infection Dr Mike Rayment, Consultant Physician, Chelsea and Westminster Hospital</p> <p>14:15 – 14:45 Question and answer</p>	<p>13:30 – 13:40 Welcome Andrew Seaton, NHS Greater Glasgow and Clyde</p> <p>13:40 – 13:55 Local ASP reflections during COVID-19 pandemic Mark Gilchrist, Consultant Medical Microbiologist, Imperial College Healthcare NHS Trust</p> <p>13:55 – 14:10 Antimicrobial stewardship and COVID-19 on the ICU Felicia Lim, University Hospitals Leicester</p> <p>14:10 – 14:25 Antimicrobial stewardship and COVID-19 a national perspective Andrew Seaton, NHS Greater Glasgow and Clyde</p> <p>14:25 – 14:45 Question and answer</p>
<p>14:45-15:00</p>	<p>BREAK</p>		
<p>15:00-16:15</p>	<p>Future proofing antibiotic resistance: alternatives to antibiotic discovery Microbiology Society <i>Chair: Dr Lena Ciric</i></p>	<p>Transplant infectious diseases British Infection Association <i>Chair: Sara Murthy</i></p>	<p>Trainee opportunities for audit and research in the UK NITCAR / BIA (<i>Live session</i>) <i>Chair: Susanne Hodgson</i></p>
	<p>15:00 – 15:15 Mapping bacteriophages to clinical need Prof Martha Clokie, Professor of Microbiology, University of Leicester</p> <p>15:15 – 15:30 A synergy between natural products and vancomycin to combat vancomycin resistant enterococcus Professor Katie Laird, Professor of Microbiology, De Montfort University</p> <p>15:30 – 15:45 Current concepts and controversies in control of healthcare-associated pathogens Dr Curtis Donskey, Hospital Epidemiologist, Cleveland Va Medical Center</p> <p>15:45 – 16:15 Question and answer</p>	<p>15:00 – 15:15 Ex vivo perfusion and antimicrobial use in liver transplants Dr Emmanuel Wey, Royal Free Hospital</p> <p>15:15 – 15:30 Outcomes of faecal transplants in stem cell transplant recipients Dr Rohma Ghani, Infectious Diseases and Microbiology Registrar / Clinical Research Fellow, Imperial College and Dr Frances Davies, Consultant Microbiologist, Imperial College NHS Trust</p> <p>15:30 – 15:45 Antimicrobial and anti-fungal stewardship in stem cell transplant recipients Dr Samir Agarwal, Barts and the London NHS Trust</p> <p>15:45 – 16:15 Question and answer</p>	<p>15:00: Introduction to session: Chris Chiu 15:02: Introduction to the BIA mentorship programme: Simon Stoneham 15:12: How a mentor improved my career – Case study: Malik Gibani 15:17: NITCAR update: Susanne Hodgson 15:22: What I learnt from undertaking a NITCAR project – Joyeeta Palit 15:30: The NITCAR project I would do: 4 potential supervisors present a brief summary of their work and the NITCAR project they would like to supervise: Chris Green, Philippa Matthews, Anna Goodman, Will Hope 16:10: Questions to panel</p>

TUESDAY 9 NOVEMBER 2021

	FIS THEATRE	JD WILLIAMS THEATRE	LOWBURY AUDITORIUM	DAY 3 – ONLINE
09:30:- 10:45	<p>Setting up a new professional advice forum in COVID-19 UK COVID-19 Therapeutics Advice & Support Group</p> <p><i>Chair: Dr Anna Goodman and Dr Mike Brown</i></p>	<p>Understanding emerging biocide and antibiotic co-resistance Microbiology Society</p> <p><i>Chair: Dr Abid Hussain</i></p>	<p>Improving clinical care for people with NTM British Infection Association / NTM Network</p> <p><i>Chair: Professor Marc Lipman and Dr Danie Watson</i></p>	
	<p>09:30 – 09.45 Establishing a framework for a standardised national approach to COVID-19 therapeutics Professor Reecha Soffat, Clinical Pharmacology and Therapeutics, University College London</p> <p>09:45 – 10:00 Setting up a new professional advice forum in COVID-19; lessons learned Dr Rachel Tattersall, Consultant Rheumatologist, Sheffield Teaching Hospitals NHSFT</p> <p>10:00 – 10:45 Question and answer</p>	<p>09:30 – 09.45 Biocide usage and antibiotic resistance. To Be or Not to Be Professor Jean Yves Maillard, Professor of Pharmaceutical Microbiology, Cardiff University</p> <p>09:45 – 10:00 Efficacy of biocides against klebsiella pneumoniae - From cross-resistance to antibiotics to the role on biofilm formation Marta Martins PhD, Assistant Professor in Microbiology, Trinity College Dublin</p> <p>10:00 – 10:15 Rationalising Biocide Use in the antimicrobial era Dr Tina Joshi, Lecturer in Molecular Microbiology, University of Plymouth</p> <p>10:15 – 10:45 Question and answer</p>	<p>09:30 – 09.45 NTM microbiology: what to expect from your friendly reference laboratory Dr Esther Robinson, Head of TB Unit, UK Health Security Agency</p> <p>09:45 – 10:00 Extrapulmonary NTM (EP-NTM): not simply extra thoracic pulmonary disease Dr Anna Goodman, Consultant, Guy's and St Thomas' Foundation NHS Trust,</p> <p>10:00 – 10:15 Drug therapies for NTM: what's on the horizon? Professor Andres Floto, Cambridge Centre for Lung Infection, Royal Papworth Hospital, Cambridge & University of Cambridge Department of Medicine</p> <p>10:15 – 10:45 Question and answer</p>	
10:45- 11:00	BREAK			
11:00-	<p>European guidelines for the management of septic arthritis European Bone and Joint Infection Society (EBJIS)</p> <p><i>Chair: Christen Ravn</i></p>	<p>Infectious disease futures Microbiology Society</p> <p><i>Chair: Dr Joey Shepherd and Tina Joshi</i></p>	<p>Antimicrobial resistance (AMR) diagnostics and antimicrobial stewardship: Association for Clinical Biochemistry - Microbiology Professional Group <i>Chair: Dr Naomi Gadsby</i></p>	

<p>12:15</p>	<p>11:00 – 11:15 Diagnosis of septic arthritis Natividad Benito, Infectious Diseases Senior Consultant, Hospital de la Santa Creu i Sant Pau</p> <p>11:15 – 11:30 Surgical management of septic arthritis Charles Vogely, Orthopedic Surgeon, UMC Utrecht</p> <p>11:30 – 11:45 Antimicrobial treatment of septic arthritis Alex Soriano, Head of Infectious Diseases Department, Hospital Clínic of Barcelona</p> <p>11:45 – 12:15 Question and answer</p>	<p><i>All presentations are 5 minutes plus 2 minutes for questions</i></p> <p>Clinical impact and public health challenges of a PVL-MRSA bacteraemia outbreak amongst the injecting drug user community in South Yorkshire Dr Matthew Beaumont</p> <p>Identification of a putative transcription factor in chlamydia trachomatis Ms Srishti Baid</p> <p>HIV-1 Vpr drives a tissue residency-like phenotype during selective infection of resting memory T cells Dr Ann-Kathrin Reuschl</p> <p>Lysosome fusion maintains phagosome integrity during fungal infection Dr Johannes Westman</p> <p>Evaluation of procalcitonin-guided antimicrobial stewardship in patients admitted to hospital with COVID-19 pneumonia Dr Maria Calderon</p> <p>A strep in the right direction: The prevalence of infective endocarditis in viridans group streptococci bacteraemia, a retrospective analysis Dr Luke Mair</p> <p>Microbiota-derived metabolites inhibit Salmonella virulent subpopulation development by acting on single-cell behaviours Dr Alyson Hockenberry</p> <p>Establishing the predictive power of whole genome sequencing to determine antimicrobial susceptibility of escherichia coli and klebsiella pneumoniae Mr Luke Turner</p> <p>Klebsiella-macrophage arms-race: dissecting how the pathogen copes with a macrophage lifestyle Mrs Brenda Morris</p> <p>Serotype distribution and virulence characteristics of group B streptococcus causing colonization and invasive diseases in neonates and adults in a tertiary care hospital Dr Ruma Das</p>	<p>11:00 – 11:15 Use of whole genome sequencing for antibiotic resistance detection Dr Matthew Ellington, Clinical Scientist, UK Health Security Agency</p> <p>11:15 – 11:30 Rapid bacterial diagnostics and antibiotic stewardship Dr Andrew Conway Morris, Mrc Clinical Scientist/Consultant in Intensive Care, University of Cambridge</p> <p>11:30 – 11:45 Recent developments in the diagnosis of bloodstream infections and rapid antibiotic sensitivity testing. Kerry Roulston, Clinical Scientist, Royal Free London NHS Foundation Trust</p> <p>11:45 – 12:15 Question and answer</p>
<p>12:15-13:30</p>	<p>LUNCH</p> <hr/> <p>FIS THEATRE</p> <p>12:30 – 13:00 A year of Cefiderocol in the UK Dr Felicia Lim: Consultant Microbiologist, University Hospitals Leicester and Emma Guthrie: Senior AMS and CCU Pharmacist, HCA Healthcare UK – London Bridge Hospital</p>		

Sponsored company symposium supported by Shionogi

13:00 – 13:30

Difficult-to-treat resistant *Pseudomonas aeruginosa* in the ICU: mechanisms and treatment strategies
 Luke Moore, Consultant Infectious Diseases, Microbiology, & Virology, Chelsea & Westminster NHS Trust

Sponsored company symposium supported by Pfizer

FIS THEATRE

JD WILLIAMS THEATRE

LOWBURY AUDITORIUM

Complex surgical infections: cutting to the chase

British Infection Association

Chair: Dr Monique Andersson and Prof Martin McNally

Vaccines

MRC Vaccine Network

Chair: Adam Cunningham

Paediatric I&I

(Live interactive session)

The British Paediatric Allergy, Immunity and Infection Group

Chair: Dr Sanjay Patel and Stephane Paulus

13:30 – 13:45

Importance of cross speciality working: Lessons from bone and joint infection clinical care and research

Prof Martin McNally, Consultant in Limb Reconstruction Surgery, Oxford Bone Infection Unit

13:45 – 14:00

When source control is more difficult than it sounds: Vascular graft infections

Rosie Darwood, Consultant Vascular Surgeon, Leeds Teaching Hospitals NHS Trust

14:00 – 14:15

Room for improvement in diagnostics: Challenges in the diagnosis and management of eye infections

Dr Sri Sharma, Consultant Medical Ophthalmologist/ MRC Fellow, Oxford University / Oxford Eye Hospital

14:15 – 14:30

Generating evidence in research lite areas: Designing clinically relevant studies to improve the management of complex abdominal infections

Andrew Kirby, Associate Clinical Professor, University of Leeds

14:30 – 14:45

Question and Answer

13:30 – 13:42

The role of vaccines in AMR

Professor Adam Cunningham, University of Birmingham

13:42 – 13:45

Question and Answer

13:45 – 13:57

Characterisation of host immune responses to *Salmonella Typhi* in an endemic setting – a comparison of natural typhoid infection with controlled human infections

Dr Michelo Simuyandi, Centre for Infectious Disease Research in Zambia

13:57 – 14:00

Question and Answer

14:00 – 14:12

Vaccines to target people with diabetes: characterising the pathways of immune response to *M. tuberculosis* and *B. pseudomallei* in people with diabetes compared to non-diabetics

Professor Susanna Dunachie, Nihl Global Research Professor, University of Oxford

14:12 – 14:15

Question and Answer

14:15 – 14: 27

Fertility rates and birth outcomes after ChAdOx1 nCoV-19 (AZD1222) vaccination

Dr Angela Minassian, University of Oxford

14:27 – 14:30

Question and Answer

14:30 – 14:45

Panel discussion

This session will have interactive cases based on common presentations that microbiologists are commonly consulted on. There will be the opportunity to interact through online polling.

13:30-14:45

14:45-15:00	BREAK		
	<p>New developments in SARS CoV-2 diagnostics Association for Clinical Biochemistry - Microbiology Professional Group <i>Chair: Dr Rob Shorten</i></p>	<p>Mind the gap: Aspirations and limitations of UK infection service provision British Infection Association <i>Chair: Natasha Ratnaraja (Live session)</i></p>	<p>Paediatric mycology BSMM <i>Chair: Adilia Warris</i></p>
15:00-16:15	<p>15:00 – 15:15 Molecular testing for SARS-CoV2 Dr Catherine Moore, Consultant Clinical Scientist, Public Health Wales</p> <p>15:15 – 15:30 Using lateral flow devices for COVID detection by the general public, concordance with PCR and peoples' behaviours Dr Derren Ready, Consultant in Public Health Infections, UK Health Security Agency</p> <p>15:30 – 15:45 SARS-CoV2 serological testing; natural and vaccine antibody detection Dr Kate Templeton, Royal Infirmary of Edinburgh</p> <p>15:45 – 16:15 Question and answer</p>	<p>15:00: Introduction to session: Professor Katie Jeffery 15:02: Collaboration between BIA, RCP and RCP: Angharad Davies 15:04: Best practice standards for the delivery of infection services in the United Kingdom: a collaboration between BIA, RCP and RCP: Natasha Ratnaraja and Angharad Davies 15:14: BIA/RCP UK infection service workforce survey: Sarah Lawrence and David Partridge 15:29: Higher specialist scientist training (HSST) microbiology: Michael Perry 15:39: How can ID, microbiology and virology help each other?: Patrick Lillie</p> <p>15:49: Question and answer</p>	<p>15:00 – 15:15 Antifungal prophylaxis in paediatric hematopoietic cell transplant Dr Daniel Chang, Assistant Professor of Paediatrics, Duke University</p> <p>15:15 – 15:30 Paediatric candidemia, a global perspective Dr Nelesh Govender, Centre Head, National Institute for Communicable Diseases</p> <p>15:30 – 15:45 Paediatric antifungal stewardship Professor Adilia Warris, Paediatric Infectious Diseases Specialist, University of Exeter</p> <p>15:45 – 16:15 Question and answer</p>
FIS THEATRE			
16:15-16:30	<p>Closing remarks Professor Katie Jeffery, BIA President and Dr Rajeka Lazarus, BIA Meetings Secretary</p>		