

FIS

2019

PROGRAMME

11- 14 NOVEMBER 2019,
EICC, EDINBURGH, UK



#FIS19
@MicrobioSoc



HOSTED BY
MICROBIOLOGY
SOCIETY

DAY 1

Monday 11 November

Collaboration catalyst

Time: 16:00–18:30

Location: Kilsyth and Moorfoot, Level 0

Session organisers: Benjamin Johns (Public Health Wales, UK) and Rachel Asiedu (Microbiology Society, UK)

Lead organisation: Microbiology Society

Session description: This session will be a starting point to foster interactions between trainee and early career microbiologists across the different sectors that the Federation of Infection Societies represents: academic science, clinical, biomedical, nursing and pharmacy trainees. The session will enable knowledge exchange to the mutual benefit of fundamental and applied research in the context of infectious diseases and help attendees to find out about funding opportunities for collaborative research.

Refreshments will be available during a networking event at the end of the session.

SESSION CHAIR: Rachel Asiedu (Microbiology Society, UK)		
Arrival and registration	15:30	-
Early career: day in the life	16:00	Prerna Vohra (University of Edinburgh, UK) James Price (Imperial College Healthcare NHS Trust, UK) Andrew Edwards (Imperial College London, UK) Joanne Walker (NHS Grampian, UK)
Networking Workshop	17:15	-
Session close	18:15	

DAY 2

Tuesday 12 November

Antimicrobial prophylaxis: the impact of resistance

Time: 10:00–13:00

Location: Pentland, Level 3

Session organisers: Tejal Vaghela (Watford General Hospital, UK) and Dr Mark Gilchrist (Imperial College Healthcare NHS Trust, UK)

Lead organisation: United Kingdom Clinical Pharmacy Association (UKCPA) and the British Society for Antimicrobial Chemotherapy (BSAC)

Session description: This session is being organised by the in addressing the antimicrobial resistance challenge; ensuring we have strategies to address antimicrobial prophylaxis as well as treatment is important. This session will focus on the agents used in antimicrobial prophylaxis, their role in medical and surgical disease areas and the challenges and consequences of inappropriate use. The session will focus on good practice examples together with linking to the new 2019/20 antimicrobial CQUIN.

SESSION CHAIR: Dr Hala Kandil (West Hertfordshire Hospitals, UK)		
Trauma: What is the evidence for prophylaxis and when does prophylaxis become treatment?	10:00	Noha El Sakka (NHS Grampian, Aberdeen Royal Infirmary, UK)
Resistance trends among Enterobacterales from bacteraemias in the UK and Ireland, 2007 - 2017	10:30	Carolyne Horner (British Society for Antimicrobial Chemotherapy, UK)
Streptococcus agalactiae macrolide/lincosamide resistance; implications for puerperal antimicrobial therapy	10:45	Alex Davidson (Imperial College London, UK)
Teicoplanin – the challenge of prophylactic use and potential for allergic/anaphylactic reactions	11:00	Simon Warren (Royal Free London NHS Foundation Trust, London)
Exhibition and refreshments	11:30	
SESSION CHAIR: Dr Hala Kandil (West Hertfordshire Hospitals, UK)		
In-vitro activity of cefiderocol against multidrug-resistant Enterobacterales, Pseudomonas aeruginosa and Acinetobacter baumannii isolates from the UK	12:00	Shazad Mushtaq (Public Health England, UK)
Case-control study of recurrent Extended-Spectrum Beta Lactamase Enterobacteriaceae Urinary Tract Infections (ESBL UTIs): the management challenges	12:15	Rohma Ghani (Imperial College, UK)
Antimicrobial prophylaxis in urological procedures	12:30	Arthur McPhee (North Bristol Trust, UK)
Session close	13:00	
Lunch and exhibition	13:00	

Stewardship and diabetic foot infection: “the right antibiotic, at the right dose at the right time” – and the right surgery

Time: 10:00–13:00

Location: Sidlaw, Level 3

Session organisers: David Harvey (Wirral University Teaching Hospital, UK and the Healthcare Infection Society, UK)

Lead organisation: Healthcare Infection Society (HIS)

Session description: The burden of diabetic foot infections (DFIs) presents many challenges. Infection relapse is common, often with increasingly resistant organisms. There is no clearly superior strategy to tackle the infective problems. The patients are heterogeneous with varying presentations. Here we present the evolution of an MDT-driven orthopaedic surgical approach utilising local antibiotic delivery via calcium sulphate cement. We will discuss the approach developed to sampling, surgery and antibiotic delivery. A large case-series study of over 90 patients will be reported on, with outcomes. The wider ‘spin-off’ benefits in terms of infection prevention and control and antimicrobial stewardship will be explored. From the same centre, we will contrast with a clinician-led approach, using prolonged IV antibiotics largely via OPAT, with the aim of avoiding the need of surgery, as well as case selection for oral antibiotics in osteomyelitis of DFI. The session will also include expert opinion from the working party on the 2019 infection guidelines produced by the International Working Group on the Diabetic Foot.

SESSION CHAIR: David Harvey (Wirral University Teaching Hospital NHS Foundation Trust, UK)		
What’s happening in actual clinic practice? experience with medical management and outpatient parenteral antibiotics (OPAT) in diabetes foot infection	10:00	Upendram Srinivas-Shankar (Wirral University Teaching Hospital, UK)
Best Foot Forward - A summary of IWGDF guideline on diagnosis and treatment of foot infection in persons with diabetes	10:30	Matthew Diggle (University of Alberta, Edmonton, Canada)
Developing a quality assurance system for the use of stimulan beads in a diabetic foot clinic	11:00	Phillipa Burns (Hull University Teaching Hospitals, UK)
Modelling Staphylococcus aureus biofilm on infected chronic wounds	11:15	Yanyan Cheng (University of Bath, UK)
Exhibition and refreshments	11:30	
SESSION CHAIR: David Harvey (Wirral University Teaching Hospital NHS Foundation Trust, UK)		
The Evolution of an Orthopaedic Infected Foot and Ankle Multidisciplinary Team and its Primary Stewardship Findings	12:00	Gillian Jackson (Wirral University Teaching Hospital NHS Trust, Wirral, UK)
Locally Delivered Antibiotics, a Shift in Thinking, Bacterocidal With Precision	12:30	Simon Platt (Gold Coast University Hospital, Gold Coast, Australia)
Session close	13:00	
Lunch and exhibition	13:00	

Things that go bump in the night – dealing with the out-of-hours paediatric call!

Time: 10:00–13:00

Location: Fintry, Level 3

Session organisers: Sanjay Patel (Southampton Children's Hospital, UK) and Stephane Paulus (Oxford Children's Hospital and Convenor of BPAIIG, UK)

Lead organisation: British Paediatric Allergy Immunity and Infection Group (BPAIIG)

Session description: Back by popular demand after the success of their sessions in 2017 and 2018, Sanjay and Stephane will be presenting interactive paediatric cases not dissimilar to those that may be encountered by microbiologists and adult ID specialists!

SESSION CHAIR: Sanjay Patel (Southampton Children's Hospital, UK) and Stephane Paulus (Oxford Children's Hospital and Convenor of BPAIIG, UK)		
Comprising the expert panel are	10:00	James Hatcher (Microbiology Consultant, Great Ormond Street Children's Hospital, UK) Elisabeth Whitaker (Paediatric Infectious Diseases Consultant, Imperial College London, UK) Marieke Emonts (Paediatric Infectious Diseases consultant, Great North Children's Hospital, Newcastle, UK)
Exhibition and refreshments	11:30	
SESSION CHAIR: Sanjay Patel (Southampton Children's Hospital, UK) and Stephane Paulus (Oxford Children's Hospital and Convenor of BPAIIG, UK)		
Comprising the expert panel are	12:00	James Hatcher (Microbiology Consultant, Great Ormond Street Children's Hospital, UK) Marieke Emonts (Paediatric Infectious Diseases consultant, Great North Children's Hospital, Newcastle, UK) Elisabeth Whitaker (Paediatric Infectious Diseases Consultant, Imperial College London, UK)
Session close	13:00	
Lunch and exhibition	13:00	

Zoonoses: so many ways to become infected

Time: 10:00–13:00

Location: Kilsyth, Level 0

Session organisers: Dr Geoffrey Foster (Scotland's Rural College, UK) and Professor Andrew Smith (University of Glasgow, UK)

Lead organisation: Scottish Microbiology Association (SMA)

Session description: Around 75% of human pathogens have an animal origin. Ecological and evolutionary changes can have significant impacts on zoonotic infections, with many emerging, re-emerging or increasing in importance, and this session will cover a diverse range of some of these. The invited speakers will focus on zoonoses associated with three very different sources – Lyme disease, increasing risks from the handling of raw pet food and organisms encountered following bite-wounds and other zoonotic infections from marine mammals.

SESSION CHAIR: Professor Andrew Smith (University of Glasgow, UK) and Geoffrey Foster (SRUC Veterinary Services, UK)		
Lyme disease	10:00	Roger Evans (Scottish Microbiology Reference Laboratories, UK)
Salmonella in raw pet food: UK trends over 10 years	10:30	Joanna Lawes (APHA Addlestone, UK)
Zoonoses: so many ways to become infected	11:00	Geoffrey Foster (SRUC Veterinary Services, UK)
Exhibition and refreshments	11:30	
SESSION CHAIR: Professor Andrew Smith (University of Glasgow, UK) and Geoffrey Foster (SRUC Veterinary Services, UK)		
Facial Nerve Palsy – Do people think about Lyme Disease?	12:00	Ben Fourie (University of Birmingham, UK)
Scrub typhus causing acute undifferentiated febrile illness and its association with clinical outcomes: an observational hospital-based study from tertiary care center in North India	12:20	Dhara Shah (National Center for Disease Control and Institute of Liver and Biliary Sciences New Delhi, India)
Session close	12:40	
Lunch and exhibition	13:00	

An update on *Candida auris*

Time: 12:00 - 13:00

Location: Moorfoot, Level 0

Session organisers: Dr P. Lewis White (University Hospital of Wales, UK on behalf of the British Society for Medical Mycology)

Lead organisation: British Society for Medical Mycology

Session description:

This session is being organised by the British Society for Medical Mycology and will focus on the emerging fungal pathogen *Candida auris*.

SESSION CHAIR: Dr Andrew M Borman (UK National Mycology Reference Laboratory, PHE South West, UK)		
<i>Candida auris</i> in the UK: where are we now?	12:00	Dr Andrew M Borman (UK National Mycology Reference Laboratory, PHE South West, UK)
Phenotypic tolerance strategies of <i>Candida auris</i>	12:30	Dr Ryan Kean (Glasgow Caledonian University, UK)
Session close	13:00	
Lunch and exhibition	13:00	

Industry presentation – MSD

Time: 13:15–14:00

Location: Lammermuir, Level –2

Session description: Bring your lunch with you and attend one of our many industry presentations, which will be taking place next to the exhibition hall in the Lammermuir Suite. During this session you will have the opportunity to find out more about MSD and their work.

SESSION		
MSD	13:15	Professor Ignacio Martin- Loeches (Trinity College Dublin, Dublin) Dr Rishi Dhillon (University Hospital Wales, Cardiff)
Session close	14:00	

Use of antimicrobials at the end of life

Time: 14:00–15:30

Location: Sidlaw, Level 3

Session organisers: Tejal Vaghela (Watford General Hospital, UK) and Dr Mark Gilchrist (Imperial College Healthcare NHS Trust, UK)

Lead organisation: UK Clinical Pharmacy Association (UKCPA) and the British Society for Antimicrobial Chemotherapy (BSAC)

Session description: This session will explore the antimicrobial stewardship considerations during end-of-life care and will focus specifically on the approach to decision-making, risk and benefits to initiating treatment and a patient perspective. The session will also help inform the audience and healthcare users around this sometimes-challenging situation.

SESSION CHAIR: Tejal Vaghela (Watford General Hospital, UK) and Dr Mark Gilchrist (Imperial College Healthcare NHS Trust, UK)		
Antimicrobial use towards the end of life: a scoping literature review	14:00	Jack Fairweather (RCPS Glasgow)
Antimicrobial use in chronic wounds and ulcers in end of life/moribund elderly patients?	14:30	Achyut Guleri (Blackpool Teaching Hospitals NHS Foundation Trust)
Antibiotic use in hospice and primary care settings in patients receiving palliative care	15:00	Susan Galbraith (East Renfrewshire Health and Social Care Partnership)
Session close	15:30	
Exhibition and refreshments	15:30	

Neglected tropical diseases

Time: 14:00–17:00

Location: Fintry, Level 3

Session organisers: Hiten Thaker (Hull and East Yorkshire Hospitals NHS Trust, UK)

Lead organisation: British Infection Association (BIA)

Session description: This session will develop the theme around neglected tropical diseases. These diseases occur mostly in very resource poor settings. The conditions largely affect the poorest people and therefore go unnoticed and are "neglected". There are a number of diseases that are included in this group and this symposium will concentrate on the innovative management of Filarisis, Trachoma and Leprosy.

SESSION CHAIR: Hiten Thaker (Hull and East Yorkshire Hospitals NHS Trust, UK)		
Eliminating Trachoma as a Public Health Problem	14:00	Dr David Mabey (London School of Hygiene and Tropical Medicine, UK)
The Global Challenge of NTDs: the classic interface of poverty, health and development	14:30	Dr David Molyneux (Liverpool School of Tropical Medicine, UK)
Leprosy, neglected tropical diseases and improving skin health	15:00	Dr Steve Walker (Hospital for Tropical Diseases, UK)
Exhibition and refreshments	15:30	
SESSION CHAIR: Hiten Thaker (Hull and East Yorkshire Hospitals NHS Trust, UK)		
Acute haemorrhagic leukoencephalitis secondary to Chikungunya infection.	16:00	Megan Jenkins (Infectious Diseases, North Bristol NHS Trust, UK)
It may be a stroke, it may be meningo-encephalitis	16:15	Daniel Pan (University of Leicester, UK)
Severe Leptospirosis with Pulmonary Hemorrhage; The Role of Intravenous Hydrocortisone	16:30	Diana Marie San Pedro (Bicol Medical Center, Naga city, Philippines)
Pharmacokinetics of TKM-130803 in Ebola virus disease in Sierra Leonean.	16:45	Janet Scott (MRC-University of Glasgow Centre for Virus Research, UK)
Session close	17:00	

Challenging biofilm infection diagnosis

Time: 14:00–17:00

Location: Pentland, Level 3

Session organisers: Professor Sheila Patrick (Queen's University Belfast, UK) and Professor Craig Williams (University of the West of Scotland, UK)

Lead organisation: Microbiology Society

Session description: The diagnosis and treatment of biofilm infection, particularly in the orthopaedic setting, remains a challenge. Surgical wound contamination from patient's skin can not only be a cause of biofilm infection but has the potential to confound diagnosis of chronic infection. The current guidelines on the diagnosis and subsequent treatment of implant biofilm infection will be addressed and debated.

SESSION CHAIR: Professor Sheila Patrick (Queen's University Belfast, UK) and Professor Craig Williams (University of the West of Scotland, UK)		
Prosthetic Joint Infection: insights into diagnosis and clinical management	14:00	Gordon Ramage (University of Glasgow, UK)
Investigating the microbial composition of Recurrent Vulvovaginal Candidiasis samples and biofilm formation of Candida clinical isolates	14:45	Emily McCloud (University of Glasgow, UK)
Campylobacter lari associated Prosthetic Joint Infection	15:00	Thomas Taynton (York Teaching Hospitals NHS Foundation Trust, UK)
Exhibition and refreshments	15:15	
SESSION CHAIR: Professor Sheila Patrick (Queen's University Belfast, UK) and Professor Craig Williams (University of the West of Scotland, UK)		
Rifampicin-eluting biodegradable PLGA coatings can significantly inhibit in vitro biofilm formation for 10 weeks	16:00	Justine Fraser (University of Strathclyde, UK)
Managing Device-related Infections: Improving Outcomes in Orthopaedics.	16:15	Bridget Atkins (Oxford University Hospitals, UK)
Session close	17:00	

Congenital infection young people in adult services

Time: 14:00–17:00

Location: Moorfoot, Level 0

Session organisers: Fiona Shackley (Sheffield Children's NHS Foundation Trust) on behalf of CHIVA committee

Lead organisation: The Children's HIV Association (CHIVA)

Session description: CHIVA's achievements and future challenges.

SESSION CHAIR: Fiona Shackley (Sheffield Children's NHS Foundation Trust) on behalf of CHIVA committee		
Congenital infection young people in adult services	14:00	Fiona Shackley (Sheffield Children's NHS Foundation Trust)
Lung disease in congenitally infected young people - is it an issue?	14:30	Paul Collini (University of Sheffield Medical School, UK)
HIV in adolescents and young people	15:00	Elizabeth Hamlyn (Kings College Hospital, UK)
Exhibition and refreshments	15:30	
SESSION CHAIR: Fiona Shackley (Sheffield Children's NHS Foundation Trust) on behalf of CHIVA committee		
A decade on from the publication of the British HIV Association's National HIV Testing Guidelines: are opportunities to increase the uptake of HIV testing still being missed?	16:00	Naomi Bulteel (ST6 ID/GIM, NHS Fife, Kirkcaldy,UK)
Missed opportunities for HIV testing in a Scottish Health Board	16:15	Melanie Davies (University of Glasgow)
Physician-initiated HIV testing leads to missed opportunities in an East London Hospital Acute Admissions Unit	16:30	Konstantinos Teopoulos Lamprianidis (Barts Health NHS Trust, UK)
Session close	16:45	

Industry presentation – Pfizer

Time: 15:30–16:00

Location: Lammermuir, Level –2

Session description: Bring your coffee with you and attend one of our many industry presentations, which will be taking place next to the exhibition hall in the Lammermuir Suite. During this session you will have the opportunity to find out more about Pfizer and their work.

SESSION		
Managing CPE Infections - The Mancunian Way	15:30	Louise Sweeney Manchester University NHS Foundation Trust
Session close	16:00	

DAY 3

**Wednesday 13
November**

Clinical Lessons

Time: 08:00 - 08:45

Location: Pentland, Level 3

Session organisers: Hiten Thaker (Hull and East Yorkshire Hospitals NHS Trust, UK)

Lead organisation: British Infection Association (BIA)

Session description: This session will present Interactive clinical case presentations selected from submitted abstracts. Audience participation will be encouraged by the Chairs who are experienced clinicians.

SESSION CHAIR: Dr Hiten Thaker (Hull and East Yorkshire Hospitals NHS Trust, UK)		
A diarrhoeal blast from the past	08:00	Stuart Gallacher (Queen Elizabeth University Hospital, UK)
A Paradoxical Puzzle: Delayed reaction during treatment for disseminated BCG	08:09	Shobana Anpalakhan (Newcastle upon Tyne Hospitals, UK)
Treatment Failure in a Case of Fully Susceptible Tuberculous Lymphadenitis; Time to Consider Dual Pathology	08:18	Izak Heys (North Bristol NHS Trust, UK)
Post-influenza meningitis in an immunosuppressed man	08:27	Rashantha Varuni Senanayake (University Hospitals Birmingham, UK)
Chronicle of migrant hyperinfective Strongyloides stercoralis larvae and associated bacteremia in a patient suffering from Idiopathic Thrombocytopenic Purpura	08:36	Vibhor Tak (All India Institute of Medical Sciences, Jodhpur, India)
Session close	08:45	

The human microbiota in health and disease

Time: 10:00–13:00

Location: Pentland, Level 3

Session organisers: Professor Sheila Patrick (Queen's University Belfast, UK) and Dr Alan Walker (University of Aberdeen, UK)

Lead organisation: Microbiology Society

Session description: Humans host thriving microbial communities, which have been recognised since the early days of microbiology as a source of potentially lethal opportunistic pathogens and chronic infection. More recent metagenomic and metataxonomic analyses of these microbiotas provide detailed insights into the microbes present and an indication of their relative abundance.

These studies have led to a growing list of potential microbiota–health associations, from autoimmune disease to mental health and obesity. In addition, there is a growing interest in faecal microbiota transplant treatment, with considerable success in relation to *Clostridioides difficile* infection. This symposium will address the microbiota in relation to infection and reflect on the evidence for selected microbiota–health associations.

SESSION CHAIR: Professor Sheila Patrick (Queen's University Belfast, UK) and Dr Alan Walker (University of Aberdeen, UK)

The human microbiota in health and disease	10:00	Dr Lesley Hoyles (Nottingham Trent University, UK)
Phenotypic variation of <i>Gardnerella vaginalis</i> subgroups in relation to virulence potential	10:30	Aistė Bulavaitė (Vilnius University, Lithuania)
Is prior antibiotic exposure a risk factor for the development of bacteraemia in bone marrow transplant patients?	10:45	George Hills (Leicester Royal Infirmary, UK)
Novel management of Crohn's disease by dietary manipulation of the gut microbiome: The CD-TREAT diet	11:00	Vaios Svolos (University of Glasgow)
Exhibition and refreshments	11:30	
SESSION CHAIR: Professor Sheila Patrick (Queen's University Belfast, UK) and Dr Alan Walker (University of Aberdeen, UK)		
A Ubiquitin Mimotope Encoded by <i>Bacteroides fragilis</i> in the Human GI Tract and Consequences for Autoimmune Disease	12:00	Garry Blakely (University of Edinburgh, UK)
The human gut microbiota: Hopes, hypes and prospects for therapeutic interventions	12:30	Alan Walker (University of Aberdeen, UK)
Session close	13:00	
Lunch and exhibition	13:00	

The role of informatics and big data in improving surveillance to address AMR and IPC – a national and global perspective

Time: 10:00–15:30

Location: Sidlaw, Level 3

Session organisers: Dr Jasmin Islam (Brighton and Sussex University Hospitals NHS Trust, UK) and Dr Luke Bedford (Ipswich Hospital NHS Trust, UK)

Lead organisation: Healthcare Infection Society (HIS)

Session description: The accessibility of Big Data in healthcare has opened the door to a wide variety of possibilities for infection prevention control and in antimicrobial stewardship. The drive towards digitalisation of a complete electronic patient record by the NHS has brought together previously disparate clinical data that can now be linked using health informatics expertise. Developments in machine learning are promising greater in-depth analysis of large volumes of complicated infection data, unveiling hidden transmission networks and the early detection of hospital outbreaks. Projects at national, regional and hospital level have demonstrated the benefit in engaging with health informatics that will allow clinicians to better understand their local and national epidemiology, to facilitate outbreak detection and address increasing problems posed by AMR. During this session, national and international experts will discuss the implementation of health informatics projects and how this can be translated in a meaningful way to deliver effective infection prevention control.

SESSION CHAIR: Dr Jasmin Islam (Brighton and Sussex University Hospitals, NHS Trust, UK) and Dr Luke Bedford (Ipswich Hospital NHS Trust, UK)		
National priorities and successfully achieving UK 5 year AMR plan using big data	10:00	Susan Hopkins (Public Health England, UK)
The Role of Artificial Intelligence and Machine Learning in Addressing AMR	10:30	Cristina Soguero-Ruiz (Juan Carlos University, Spain)
Exhibition and refreshments	11:30	
SESSION CHAIR: Dr Jasmin Islam (Brighton and Sussex University Hospitals, NHS Trust, UK) and Dr Luke Bedford (Ipswich Hospital NHS Trust, UK)		
Global PPS: Lessons learnt and where we are now	12:00	Herman Goosens (University of Antwerp, Belgium)
Lunch and exhibition	13:00	
SESSION CHAIR: Dr Jasmin Islam (Brighton and Sussex University Hospitals, NHS Trust, UK) and Dr Luke Bedford (Ipswich Hospital NHS Trust, UK)		
Implementation of a real time surveillance system to improve IPC and AMR in Wales	14:00	Eleri Davies (Public Health Wales, UK)
Improving surveillance processes to address AMR: The Northern Ireland Perspective	14:30	Lynsey Patterson (Public Health, N. Ireland)
The role of Big Data in national AMS programmes: The benefits and challenges of informatics in stewardship	15:00	Andrew Seaton (Queen Elizabeth University Hospital, Glasgow)
Session close	15:30	
Exhibition and refreshments	15:30	

Use of aminoglycosides – benefits and adverse effects

Time: 10:00–13:00

Location: Fintry, Level 3

Session organisers: Hiten Thaker (Hull and East Yorkshire Hospitals NHS Trust, UK) and Dr Mark Gilchrist (Imperial College Healthcare NHS Trust, UK)

Lead organisation: British Infection Association (BIA) and the British Society for Antimicrobial Chemotherapy (BSAC)

Session description: Aminoglycosides are a critical antimicrobial option for many infections. However, more recently, questions are being raised as to what the most effective dose is. Some studies suggest that the underdosing of aminoglycosides is a concern; however, this needs to be balanced against the potential unintended consequences of this group of antimicrobials. This session will explore the PK/PD of aminoglycoside use and look at the impact of conflicts in current breakpoint recommendations between the BNF and EUCAST. The invited papers will offer an 'into clinical practice' perspective, showing the benefits and pitfalls of aminoglycoside use, both single and combination therapies.

SESSION CHAIR: David Partridge (Sheffield Teaching Hospitals Foundation Trust, UK)		
Pharmacokinetic-Pharmacodynamic (PK-PD) of aminoglycoside use and new guidance for consultation	10:00	Alasdair MacGowan (North Bristol NHS Trust, UK)
Doxycycline for the empiric treatment of low-severity hospital acquired pneumonia	10:30	Muge Cevik (University of St Andrews, UK and Western General Hospital, UK)
Recurrent Urinary Tract Infections: old story, new frontiers.	10:45	William Gewanter (North Devon District Hospital, UK)
Dosing and toxicity of aminoglycosides	11:00	Robin Howe (University Hospital of Wales, UK)
Exhibition and refreshments	11:30	
SESSION CHAIR: David Partridge (Sheffield Teaching Hospitals Foundation Trust, UK)		
Quality improvement of aminoglycosides – can we really improve practice?	12:00	Yvonne Semple (Golden Jubilee National Hospital, UK)
Development and Initial Evaluation of a national Infection Prevention and Antimicrobial Resistance programme for UK Girlguiding and Scouts	12:30	Dr Ryan Hamilton (University Hospitals of Leicester NHS Trust, UK)
Session close	12:45	
Lunch and exhibition	13:00	

Travel medicine: biting back: status and prevention of a trio of travel-related infections

Time: 10:00–11:30

Location: Kilsyth, Level 0

Session organisers: Dipti Patel (NaTHNaC, UK) and Dr Nick Beeching (University of Liverpool, UK)

Lead organisation: National Travel Health Network and Centre (NaTHNaC)

Session description: The sessions will cover current epidemiology, UK traveller cases and factors that health professionals should consider when advising travellers for each disease. For all three diseases, there are unique challenges in terms of risk perception, risk tolerance and communication. In the case of traveller malaria, although almost completely preventable, imported cases remain a concern, particularly for UK residents of African or Asian ethnicity who are non-UK born and going to visit family.

For Zika, what should we advise pregnant travellers? Zika has now been reported in over 80 countries and territories, but surveillance data is limited in many parts of the world. Finally, the recent case of imported rabies in a UK resident following a cat bite highlights the importance of good pre-travel advice, but also effective post-exposure management.

SESSION CHAIR: Dr Nick Beeching (University of Liverpool, UK)		
Malaria chemoprophylaxis: priorities, possibilities and perspectives	10:00	Patricia Schlagenhauf (University of Zürich, Switzerland)
Separating the myth and reality of Zika virus infection	10:30	Emma Aarons (Public Health England, UK)
Mad dogs and Englishmen: an overview of rabies guidance updates and key issues for travellers	11:00	Katherine Russell (Public Health England, UK)
Session close	11:30	
Posters, exhibition and refreshments	11:30	

Industry presentation – Pfizer

Time: 11:30–12:00

Location: Lammermuir, Level –2

Session description: Bring your coffee with you and attend one of our many industry presentations, which will be taking place next to the exhibition hall in the Lammermuir Suite. During this session you will have the opportunity to find out more about Pfizer and their work.

SESSION CHAIR: NAME (AFFILIATION, LOCATION)		
Pfizer	11:30	Nick Duncan (Consultant Haematology Pharmacist, UK)
Session close	12:00	

Symposium on NICE antimicrobial prescribing guidelines on pneumonia (CAP and HAP), cellulitis and diabetic foot infection

Time: 12:00–13:00

Location: Moorfoot, Level 0

Session organisers: Dr Mitul Patel (Birmingham Women's and Children's NHS Foundation Trust, UK)

Lead organisation: Supported by NICE Managing Common Infections Committee

Session description: In 2016, NICE was commissioned by the Department of Health and Social Care to produce clinical syndrome-specific guidelines for managing common infections, with the aim of guiding appropriate use of antimicrobials and minimising antimicrobial resistance. A standing committee of experts is producing the guidelines and is working closely with Public Health England. The members of the committee will present and discuss the latest guidelines published in 2019.

SESSION CHAIR: Dr Mitul Patel (Birmingham Women's and Children's NHS Foundation Trust, UK)		
Symposium on NICE antimicrobial prescribing guidelines on pneumonia (CAP and HAP), cellulitis and diabetic foot infection	12:00	Susan Hopkins (Public Health England, UK) Paddy McMaster Tessa Lewis
Lunch and exhibition	13:00	
Session close	13:00	

Industry presentation – European Tissue Symposium

Time: 13:15–13:45

Location: Moffat, Level –2

Session description: Bring your lunch with you and attend one of our many industry presentations, which will be taking place next to the exhibition hall in the Lammermuir Suite. During this session you will have the opportunity to find out more about the European Tissue Symposium and their work.

SESSION		
What is the most hygienic method to dry hands in a healthcare setting and enhance infection control?	13:15	Dr Keith Redway (University of Westminster, UK)
Session close	13:45	

Vaccine-preventable diseases

Time: 14:00–17:00

Location: Pentland, Level 3

Session organisers: Dr Norman K. Fry (Public Health England, UK) and Dr Sanjay Patel (University Hospital Southampton, UK)

Lead organisation: Public Health England (PHE) and the British Paediatric Allergy, Immunity and Infection Group (BPAIIG)

Session description: Part 1 will include three invited speakers: It will include two organism-specific examples (*Streptococcus pneumoniae* and measles virus) illustrating the challenges of controlling pneumococcal disease and measles elimination. The successes and challenges of delivering these vaccine programmes from a national perspective will be described. The third presentation will address the issue of vaccine hesitancy. Part 2 will include offered presentations selected from submitted abstracts including estimates of the half-life of maternal transplacental diphtheria, tetanus and pertussis antibodies in infants and how a medical educational initiative can be used to address vaccine hesitancy.

SESSION CHAIR: Dr Norman K. Fry (Public Health England, UK) and Dr Sanjay Patel (University Hospital Southampton UK)		
Successes and challenges of the pneumococcal immunisation programme in the UK	14:00	Zahin Amin-Chowdhury (Public Health England, UK)
Measles elimination	14:30	Jamie Lopez Bernal (Public Health England, UK)
Vaccine hesitancy - challenges and opportunities	15:00	Pauline Paterson (London School of Hygiene & Tropical Medicine, UK)
Exhibition and refreshments	15:30	
SESSION CHAIR: Dr Norman K. Fry (Public Health England, UK) and Dr Sanjay Patel (University Hospital Southampton UK)		
The Half-Life of Maternal Transplacental Antibodies in infants from mothers vaccinated with diphtheria, tetanus and pertussis: An individual participant data meta-analysis	16:00	Blanche Oguti (University of Oxford, UK)
How can a medical educational initiative address the evolving problem of vaccine hesitancy?	16:15	Paul Costello (Sanofi Pasteur, UK)
Session close	16:30	

Anaerobe update

Time: 14:00–17:00

Location: Fintry, Level 3

Session organisers: Professor Sheila Patrick (Queen's University Belfast, UK), Professor Trefor Morris (Public Health Wales, UK) and Dr Harriet Hughes (Public Health Wales, UK)

Lead organisation: Society for Anaerobic Microbiology (SAM)

Session description: This session is being co-organised by the Society for Anaerobic Microbiology (SAM), the Microbiology Society and the UK Anaerobe Reference Unit (UKARU).

Anaerobic bacteria are increasingly associated with new disease presentations and processes. This session will give insights into different aspects of *C. difficile* infection (CDI) from Paediatric CDI to delivering a UK wide Faecal Microbiota Transplantation (FMT) service & the role of FMT in treating multi-drug resistant organisms (MDRO). New approaches to *C. difficile* surveillance using whole genome sequencing (WGS) will be presented along with anaerobic infections in Intravenous Drug Users (IVDU) and dealing with disseminated anaerobic infections.

SESSION CHAIR: Professor Sheila Patrick (Queen's University Belfast, UK) and Dr Harriet Hughes (Public Health Wales, UK)		
Anaerobe update	14:00	Jane Freeman (Leeds Teaching Hospitals NHS Trust, UK)
DIGEST – a revolutionary approach to the real-time investigation of <i>C. difficile</i> infection utilising next generation sequencing'	14:30	Michael Perry (Public Health Wales)
Development of a licenced Faecal Microbiota Transplantation service for the treatment of patients in the NHS	15:00	Mohammed Quraishi (University of Birmingham Microbiome Treatment Centre, UK and PHE Public Health Laboratory Birmingham, UK)
Exhibition and refreshments	15:15	
SESSION CHAIR: Professor Sheila Patrick (Queen's University Belfast, UK), Trefor Morris (Public Health Wales, UK) and Dr Harriet Hughes (Public Health Wales, UK)		
An Outbreak of Severe Soft Tissue Infections in Injecting Drug Users centred in Glasgow in 2000 caused by <i>Clostridium novyi</i> - a 'Real Killer Bug' : Investigation, Epidemiology, Microbiology, Pathology, National and International Cooperation, Politics and Lessons.	16:00	John Hood (Glasgow Royal Infirmary, UK)
Cohort study of Faecal Microbiota Transplantation for patient's colonised with MDROs - successful prevention of invasive disease despite low decolonisation rates	16:30	Rohma Ghani (Imperial College, UK)
<i>Fusobacterium nucleatum</i> brain and liver abscesses following sigmoid diverticulum perforation in an immunocompetent patient	16:45	Bijan Ghavami-Kia (James Cook University Hospital, UK)
Session close	17:00	

Antimicrobial stewardship – the next steps

Time: 14:00–17:00

Location: Kilsyth, Level 0

Session organisers: Rakhee Patel (Darent Valley Hospital, UK) and Tejal Vaghela (Watford General Hospital, UK)

Lead organisation: UK Clinical Pharmacy Association (UKCPA)

Session description: Antimicrobial stewardship has been a major initiative in the last decade, to intensify efforts in the control of bacterial resistance. Much attention has been given to which approaches stewardship programmes should include to achieve specific objectives, such as adherence to local guidelines, use of pathogen-directed therapy, discontinuation of therapy when infection is found to be unlikely, timely switching from parenteral to oral treatment, and appropriate duration of therapy. This session will discuss next-step approaches such as behaviour change, using clinical and non-clinical staff (other than microbiologists and pharmacists) and technology to support antimicrobial stewardship programmes.

SESSION CHAIR: Dr Jacqueline Sneddon (Healthcare Improvement Scotland, UK)		
Approaches for behaviour change on antimicrobial stewardship	14:00	Aleksandra A Herbec (University College London, UK)
Alternate approach using clinical and non-clinical staff for antimicrobial stewardship-nurse specialist and sociology student. (Nurse perceptive)	14:30	Jo McEwen
Alternate approach using clinical and non-clinical staff for antimicrobial stewardship-nurse specialist and sociology student. (Psychologist perceptive)	14:45	Lauren Shillito (Mid Essex Hospital Services NHS Trust, UK) Toby Stock (Mid and South Essex University Hospitals Group, UK)
Optimising antimicrobials durations using technology	15:00	Rakhee Patel (Darent Valley Hospital, UK)
Exhibition and refreshments	15:30	
SESSION CHAIR: Dr Jacqueline Sneddon (Healthcare Improvement Scotland, UK)		
Antimicrobial stewardship ward rounds led by junior members of the healthcare team improve patient care	16:00	Ryan Hamilton (University Hospitals of Leicester NHS Trust, UK)
Encouraging Day Three Reviews via a Pharmacist-led Antimicrobial Stewardship Ward Round	16:15	Abimbola Olusoga (Leeds Teaching Hospitals NHS Trust, UK)
Management of methicillin sensitive <i>Staphylococcus aureus</i> bacteraemia in an antimicrobial stewardship age	16:30	Stephen Platts (Newcastle upon Tyne Hospitals NHS Foundation Trust, UK and Newcastle University, UK)
'The Mould that Changed the World': Quantitative and Qualitative Analysis of Knowledge and Behavioural Change following Participation in an Antimicrobial Resistance Musical	16:45	Jennifer Hall (Western General Hospital, UK)
Session close	17:00	

Real world infection prevention, using data to improve practice

Time: 14:00–15:30

Location: Moorfoot, Level 0

Session organisers: Infection Prevention Society (IPS)

Lead organisation: Infection Prevention Society (IPS)

Session description: The presentation will outline work to determine risk factors for E.coli in cancer patients and the quality improvement initiatives which followed.

SESSION CHAIR: NAME (AFFILIATION, LOCATION)		
Risk factors for Escherichia coli blood stream infection in cancer patients: a multicentre, multidisciplinary collaborative audit	14:00	Frances Davies (Imperial College London, UK)
Real world infection prevention, using data to improve practice	14:30	Pat Cattini (Infection Prevention Society, UK)
Is hand surface coverage a good measure of hand hygiene effectiveness?	14:45	Lucyna Gozdzielewska (Glasgow Caledonian University, UK)
To screen or not to screen?	15:00	Arni Sarian (West Middlesex Hospital, UK)
Mobile Phone Contamination in Clinical Environments 'The True Extent'	15:15	Rebecca Simmonds (University of South Wales, UK)
Session close	15:30	
Posters, exhibition and refreshments	15:30	

DAY 4

**Thursday 14
November**

Infectious disease futures: trainee researcher spotlight

Time: 10:00–11:30

Location: Pentland, Level 3

Session organisers: Benjamin Johns (Public Health Wales, UK), Professor Sheila Patrick (Queen's University Belfast, UK) and Professor Craig Williams (University of the West of Scotland, UK)

Lead organisation: Microbiology Society and National Infection Trainee Collaborative for Audit and Research (NITCAR)

Session description: In this session trainee researchers will be provided with insights into research publication and the trainee-led National Infection Trainees' Collaborative for Audit and Research (NITCAR) will provide updates on current and upcoming projects. Selected offered oral presentations by early career and trainee researchers will be considered for Microbiology Society Infection Science Awards. This new Microbiology Society initiative is an exchange scheme that facilitates the most promising trainee and early career presenters from FIS to present at the Microbiology Society Annual Conference Infection Forum to improve the exchange of ideas and the career development of early career researchers and trainee scientists and doctors. Awardees will be provided with a bursary to attend and present at the Microbiology Society Annual Conference in Edinburgh 30 March–3 April 2020.

SESSION CHAIR: Professor Sheila Patrick (Queen's University Belfast, UK) and Professor Craig Williams (University of the West of Scotland, UK)		
The link between ocular infection with non-chlamydial bacteria and trachomatous eye changes	10:00	Abigail Walker-Jacobs (London School of Hygiene and Tropical Medicine, UK and King's College London, UK)
Investigating the role of the gut microbiome as a trigger for arthritis development in individuals at risk of rheumatoid arthritis	10:15	Christopher Rooney (University of Leeds, UK and Leeds Teaching Hospitals Trust, UK)
Endogenous endophthalmitis as a secondary bacterial infection following viral disruption of the blood-ocular barrier? Case report of 2 renal transplant patients	10:30	Vivien Price (Public Health Laboratory, UK)
Hepatitis E diagnostics: immunocompetent and IgM-negative implies PCR negative	10:45	Jordan Skittrall (University of Cambridge, UK and Public Health England, UK)
Understanding antimicrobial prescribing in suspected ventilator-associated pneumonia: a prospective cohort study	11:00	Callum Docherty (University of Manchester, UK)
Stroke secondary to hip ulcer and Septic emboli	11:15	Taimour Rashid Choudhry (Royal Infirmary Hospital Leicester, UK)
Session close	11:30	
Posters, exhibition and refreshments	11:30	

How to get your work published – Microbiology Society

Time: 11:30–12:00

Location: Moffat, Level –2

Session organisers: Hilary Logan (Microbiology Society, UK) and Dr Norman K. Fry (Co-Editor-in-Chief, *Journal of Medical Microbiology*, UK)

Lead organisation: United Kingdom Clinical Pharmacy Association (UKCPA) and the British Society for Antimicrobial Chemotherapy (BSAC)

Session description: This session will guide delegates through the processes involved in writing and publishing in scientific journals. We will cover how to choose a suitable journal, how to write each part of the paper, the submission process, what happens to your paper after submission, how to respond to peer review and how to promote your work once published.

SESSION		
Writing and publishing in scientific journals	11:30	Hilary Logan (Microbiology Society) Norman Fry (Co-Editor-in-Chief, <i>Journal of Medical Microbiology</i>)
Session close	12:00	

NITCAR@FIS

Time: 11:30–12:00

Location: Lammermuir, Level –2

Session organisers: Shadia Ahmed (NITCAR, UK) and Jordan Skittrall (NITCAR, UK)

Lead organisation: National Infection Trainee Collaborative for Audit and Research (NITCAR)

Session description: The National Infection Trainee Collaborative for Audit and Research (NITCAR) is a trainee-led organisation that aims to facilitate multi-centre audit, service evaluation or research projects. The ultimate vision is to generate high-quality evidence that improves patient care within the field of infection and throw a spotlight on the potential utility of high-quality audit and service evaluations. Come along to hear about upcoming NITCAR projects!

SESSION		
NITCAR 2019 Update	11:30	Jordan Skittrall (NITCAR)
Prospective Study of Necrotising Otitis Externa in the UK	11:40	Susanne Hodgson (University of Oxford, UK)
Session close	12:00	

Demystifying RCPATH exams

Time: 12:00 - 13:30

Location: Pentland, Level 3

Session organisers: Dr Angharad David (Swansea University Medical School, UK)

Lead organisation: The Royal College of Pathologists (RCPATH)

Session description: Demystifying RCPATH exams: Dr Ronan McMullan, Chair of the Royal College of Pathologists' Medical Microbiology Examinations Committee and Dr Malur Sudhanva, Chair of the Virology Examinations Committee provide an update on these exams, their structure and how to approach them. The panel will be joined by Dr Rob Shorten, Clinical Scientist at Manchester Public Health Laboratory and Dr Alice Wort, Specialty Trainee Medical Microbiologist at the Northern Deanery, who will share their recent experiences of the exams and join in a Q&A session to share some useful hints and tips for preparation.

SESSION CHAIR: Dr Angharad Davies (Swansea University Medical School, UK)		
Demystifying the FRCPATH Examination - Medical Microbiology	12:00	Ronan McMullan
Demystifying RCPATH exams - Virology FRCPATH part 2 examination	12:20	Malur Sudhanva
Demystifying the RCPATH exams: candidate experience	12:40	Alice Wort
Title to be announced	12:50	Robert Shorten
Q&A	13:00	ALL
Session close	13:30	
Grab Bag Lunch and take away coffee	13:30	
Conference close	14:30	



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Our members have a unique depth and breadth of knowledge about the discipline. The Society's role is to help unlock and harness the potential of that knowledge.