

SCIENTIFIC PROGRAMME

WEDNESDAY 11 NOVEMBER 2009

0745
EXECUTIVE ROOM 1 **Research and training breakfast workshop: Brain-storming Clinical Research Careers**

Chairs: Professor Dlawer Ala'Aldeen & Professor Jon Friedland

0745 Leadership & Management
Professor Peter Davey
0800 Clinical Research Strategies
Dr Peter Dukes, MRC
0815 Integrated Academic Training-NIHR
Dr Lisa Cotterill, MIHR (CCRCD)
0830 Discussion
0845 Close

0900
HALL 1 **Welcome address**
Professor Peter Davey, Chair, Scientific Organising Committee

0915
HALL 1 **Plenary Lecture**
Chair: Professor Laura Piddock
The evolution of antimicrobial resistance: a Darwinian perspective
Sir Richard Sykes

1015-1100 **COFFEE AND POSTER VIEWING**

1100-1230 **CONCURRENT SESSIONS**

HALL 9 **Animal Infections and Human Health**

Chair: Dr Nicholas Brown
1100 Impact of human activities on the risk of zoonotic infections
Professor Sarah Randolph, Oxford
1130 Pandemic H1N1 Influenza: the story so far
Professor Nick Phin, Head of Pandemic Influenza Office, HPA
1200 Human impact of Blue Tongue
Professor Matthew Baylis, Liverpool

HALL 10B **Turning the Tide on Resistance**

Sponsored by British Society for Antimicrobial Chemotherapy

Chair: Dr Tony White
1100 The tides of resistance
Professor Patrice Courvalin, Paris
1120 Is the tide turning on animal infections?
Mr Christopher Teale, Shrewsbury
1140 Is the tide turning on human infections?
Dr Alan Johnson, London
1200 Antibiotic resistance pathogens in animals & man: turning the tide
Dr Susan Dawson, Liverpool

HALL 10A **Free Papers**

Chair: Dr Beryl Oppenheim
1100 Trimethoprim and Ciprofloxacin prescribing and resistance in Irish General Practice: A cross sectional comparison (FP21)
Mrs Akke Vellinga, Galway

- 1110 Influenza Transmission - A Challenging Subject (FP1)
Dr Ben Killingley, Nottingham
- 1120 Does Priming with Pneumococcal Conjugate vaccine enhance memory B cell responses to Pneumococcal Plain Polysaccharide vaccine? (FP2)
Dr Rajeka Lazarus, Oxford
- 1140 All-Wales Point Prevalence Survey; focusing on surgical prophylaxis (FP3)
Dr Maggie Heginbotham, Cardiff
- 1150 Clinical characteristics of Paediatric swine flu admissions in Birmingham; Summer 2009 (FP4)
Dr Jesal Patel, Birmingham
- 1200 Quorum sensing accessory gene regulator (agr)-specificity groups in *Staphylococcus epidermidis* from prosthetic joint and catheter infections (FP5)
Dr Llinos Harris, Swansea
- 1210 Relevance of Virulence Factors to Clinical Outcome in Patients with Methicillin Resistant *Staphylococcus Aureus* (MRSA) Bacteraemia (FP6)
Dr Mahableshwar Albur, Bristol
- 1220 Replacement of *Clostridium difficile* infection high risk antibiotics with low risk agents: impact on in-hospital mortality and length of stay (FP13)
Professor Alasdair MacGowan, Bristol

1230-1400

LUNCH AND POSTER VIEWING

1300-1355

Poster Presentations and Walks (see notice boards for further details)

- Group 1 Antimicrobials & Antivirals
Group 2 Fungal, Experimental, HIV & Retrovirus
Group 3 Bacterial Infection

1300-1355
HALL 10A

Meet the experts: What's new in..... CNS Tuberculosis?

Sponsored by the British Infection Society

Chairs: Dr Guy Thwaites and Dr John Innes

Overview lecture and interactive session based on clinical cases

1400
HALL 1

The Barnett Christie Lecture

Sponsored by the British Infection Society

Chair: Professor Jon Friedland

Tuberculosis transmission, infectiousness and infection control
Dr Rod Escombe, London

1500-1600
HALL 10A

CONCURRENT INDUSTRY SYMPOSIA

Sponsored by Wyeth

The growing threat of antimicrobial resistance in the UK – are there any novel approaches?

- Carbapenemases: what is the threat and how do we avoid it?
Professor Tim Walsh, Cardiff
- How can vaccines be used to combat antibiotic resistance?
Professor Alan Johnson, London

Wyeth

HALL 10B

Sponsored by Astellas

Today's antifungals and the comparative safety of echinocandins

- Today's antifungals: setting the scene
Professor Malcolm Richardson, Manchester
- The hepatic safety profile of the echinocandins
Dr Robert Masterton, Ayrshire



1600-1800

HALL 9

MINI COURSE ONE

Led by Dr Sheldon Stone

How to appraise the literature on infection control & antibiotic stewardship intervention studies using the ORION statement

1600-1630

COFFEE AND POSTER VIEWING

1630-1800

HALL 10B

CONCURRENT SESSIONS

Pharmacokinetics /Pharmacodynamics

Sponsored by Association of Veterinary Clinical Pharmacology and Therapeutics, UKCPA & BSAC

- 1630 Basic tools & dynamics of PK/PD
Dr Johan Mouton
- 1645 Clinical applications
Professor Alasdair MacGowan, Bristol
- 1700 Antifungal PK/PD (human aspects)
Dr William Hope, Manchester
- 1715 PK/PD: a veterinary perspective
Professor Peter Lees
- 1730 Mini debate: The cases for and against clinical relevance of PK/PD
Professor Alasdair MacGowan, Bristol & Dr Kieran Hand

HALL 10A

Clinical importance, pathogenesis and genomics of infection by coagulase negative staphylococci

Sponsored by the Society for General Microbiology

Chair: Professor Dietrich Mack

- 1630 Staphylococcus saprophyticus: virulence mechanism and forms of disease
Professor Sören G. Gatermann, Germany
- 1650 Staphylococcus epidermidis virulence factors in various forms of device related infection
Professor Dietrich Mack, Swansea
- 1710 Pathogenicity factors and clinical importance of Staphylococcus lugdunensis
Professor Robin Patel, Rochester, USA
- 1730 Epidemiology and genomics of coagulase-negative staphylococci causing infective endocarditis
Professor Vivian H Chu, Durham, USA

HALL 1

Dilemmas in bone infection

Sponsored by the British Infection Society

Chair: Dr Ravi Gowda

- 1630 Introduction
Dr Ivor Byren
- 1640 Prevention - Can we?
Dr Bridget Atkins, Oxford
- 1705 Complexity vs simplicity in children

Dr Saul Faust & Dr Ed Moran

1730 Metalwork: Throw it away or save it for a rainy day?
Dr Alastair Miller/Dr Frances Sanderson & Dr Ed Moran

**1815-1915
HALL 9**

WORKSHOPS

Medical Tourism

Sponsored by the British Infection Society

Chair: Professor Steve Green

1815 Medical Tourism, geography and infection - a coming challenge?
Professor Steve Green,

1830 The UK, the EU, the World - and the public-private interface in medical tourism
Mr Keith Pollard, Managing Director, Treatment Abroad

1845 Choice, quality and outcomes in Medical Tourism?"
Dr Neil Lunt, York

1900 Round up – Quality, risk and accreditation in medical tourism
Professor Steve Green

HALL 10B

Friday afternoon clinical conundrums

Sponsored by the Welsh Microbiological Association

Chair: Dr Brendan Healy

1815 A straightforward case of endocarditis?
Dr Brendan Healy, Cardiff

1835 Spot the Anaerobe!
Jon Brazier, Cardiff

1855 Spiralling antimicrobial empiricism
Ali Ormani, Glamorgan

HALL 10A

Making sense of guidelines on the management of fungal infections,

Sponsored by the British Infection Society

Chairs: Dr Rosemary Barnes and Dr Jane Stockley

1815 Overview and critique of Recent Guidelines
Dr Rosemary Barnes, Cardiff

1835 Using the Appraisal of Guidelines Research & Evaluation (AGREE) instrument-The SpR Review Group
Dr Mary Ashcroft, Dr Sarjana Jain, Dr Tom Lewis, Dr Anna Last & Dr Mitul Patel

1855 Discussion

1930

WELCOME RECEPTION: EXHIBITION

THURSDAY 12 NOVEMBER 2009

**0800
HALL 10A**

Clinical Lessons: Infection Management

Sponsored by the British Infection Society

Chair: Dr David Dockrell

0800 Wound botulism in an intravenous drug user with a trochanteric abscess
Dr Shabnam Iyer, Reading

0810 A fatal case of Erysipelothrix rhusiopathiae endocarditis
Dr Eamonn Trainor, Liverpool

0820 Smokers don't necessarily have cancer

- 0830 *Dr Emma Nickerson, Cambridge*
An unusual case of pain and swelling in a thigh
Dr Sharon Marlowe, Bristol
- 0840 A rash delivery: The dangers of bovine obstetrics
Dr Nicole Stoesser, High Wycombe
- 0850 The constrictions of a short differential- a case report of an infectious cause of anaemia, weight loss and cardiac failure
Dr Rebecca Sutherland, Oxford

0915
HALL 1

Plenary Lecture

Chair: Professor Shervanthi-Homer Vanniasnkam

Antibiotic Stewardship: Low Hanging Fruit on the Surgical Side
Professor Joseph Solomkin, Cincinnati, USA

1015-1100

COFFEE AND POSTER VIEWING

1100-1230

CONCURRENT SESSIONS

HALL 9

Epidemics & Pandemics

Chair: Dr Alan Johnson

- 1100 Can we predict and prevent the next pandemic?
Dr Frank Rijsberman, Google Predict & Prevent, USA
- 1130 Intervention strategies aimed at limiting disease spread
Professor Neil Ferguson, London
- 1200 UK Preparedness
Professor Lindsey Davies, Head of UK Preparedness, Department of Health, England

HALL 1

What do antibiotics add to the therapy of surgical infections?

Chair: Professor Shervanthi Homer-Vanniasinkam

Mini keynote lectures + 5 minutes discussion

- 1100 Role of antibiotics in soft tissue infections
Professor Joe Solomkin, Cincinnati, USA
- 1120 Surgical prophylaxis in an age of MRSA
Professor Mark Wilcox, Leeds
- 1140 Vascular Surgical Infections
Professor Shervanthi Homer-Vanniasinkam, Leeds

Test your knowledge! Clinical case presentations

10 minute presentation including keypad voting

- 1200 Infection pancreatitis
Professor Joe Solomkin, Cincinnati, USA
- 1210 Patient with multiple enteric fistulae
Professor Mark Wilcox, Leeds
- 1220 Infected prosthetic graft
Mr Pranav Somaiya, London

HALL 10A

Free Papers

- 1100 Dendritic cell subsets and serum interleukin-12 (il-12): their role in the progression of renal disease in patients with schistosomal associated-nephropathy (FP8)
Professor Hayam El Aggan, Egypt

- 1110 Quality of care of hospital in-patients with sepsis and potential for improvement (FP9)
Dr Charis Marwick, Dundee
- 1120 Comparison of European and unorthodox interpretive criteria for *Borrelia burgdorferi* immunoblots applied to a well-characterised sample panel (FP10)
Dr Sue O'Connell, Southampton
- 1140 Glycopeptide 'Creep': A Six Year Study of Anti-Staphylococcal Antibiotic MICs and Mortality in a UK Teaching Hospital (FP11)
Dr Rahul Batra, London
- 1150 A cluster of *Salmonella* Typhimurium DT193 associated with person to person transmission in a renal transplant ward (FP12)
Mr Jon Lawler, HPA North East
- 1200 Inadequate Rifampicin Dosing Common in Patients Treated for Tuberculosis? (FP7)
Dr Andrew Lovering, Bristol
- 1210 *Candida* Bone and Joint Infections, A Retrospective Review (FP14)
Dr Amy Chue, Oxford
- 1220 The burden of intestinal human parasites in non-biting synanthropic flies in a semi-urban area of Ogun State, Southwest Nigeria. (FP15)

1230-1400

LUNCH AND POSTER VIEWING

1300-1355

Poster Presentations and Walks (see notice boards for further details)

- Group 4 Antibiotic Pharmacy & Aetiology
Group 5 Quality Improvement
Group 6 Infections in the compromised host; new & emerging technologies; new anti-infectives and paediatric infections

1300-1355
HALL 10A

Meet the experts: What's new in HIV?

Sponsored by the British HIV Association

Speakers and Co-Chairs:

Dr Andrew Freedman, Consultant/Senior Lecturer in Infectious Diseases, Cardiff University School of Medicine, Dr Ed Wilkins, Consultant in Infectious Diseases, North Manchester General Hospital

Interactive Case Histories Session

1400
HALL 1

The Lowbury Lecture

Sponsored by the Hospital Infection Society

Chair: Dr Geoff Ridgway

Cleaning - is the first step in the decontamination process the most important one?

Mr Klaus Roth, Tuebingen, Germany

1500-1600
EXECUTIVE ROOM 1

CONCURRENT INDUSTRY SYMPOSIA

Sponsored By Eumedica Sa

Therapeutic alternatives for multi-resistant Enterobacteriaceae

- Temocillin – past, present and future uses
Dr David Livermore, London
- Therapeutic alternatives for multi-resistant Enterobacteriaceae
Professor Peter Hawkey, Birmingham
- Clinical experience of temocillin in ESBLs & AmpC producing Enterobacteriaceae

HALL 10A

Sponsored by Merck Sharp & Dohme

IFIs in the ICU: management guidelines and practice

IDSA guidelines for candidiasis: treatment strategy for confirmed *Candida* infection and empirical treatment of neutropenic patients

Dr Elizabeth Johnson, Bristol

First line therapy options in the ICU: the rationale for starting with a broad spectrum antifungal agent

Dr George Karam, Louisiana, US



HALL 10B

Sponsored By Pfizer

Infection in the High-Risk Patient: Who? What? &When?

Chair: Dr William Hope

Opening remarks

The high-risk surgical patient

Mr Gerry Stansby, Newcastle

The high-risk haematology patient

Dr Andrew Clark, Consultant Haematologist, Glasgow

The high-risk ICU patient

Dr George Auzinger, London

Discussion



**1500-1800
HALL 9**

MINI-COURSE TWO

Chair: Dr Beryl Oppenheim

“How to do it” - or all those things that you are expected to know but are never taught!

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|------|---|
| 1500 | How to referee a scientific paper for a journal
<i>Stephanie Dancer, Editor of the Journal of Hospital Infection</i> |
| 1545 | How to undertake a root cause analysis for an infection control related incident
<i>Ruth Gibson, Head of Risk Management, Sandwell & West Birmingham</i> |
| 1630 | How to develop a business case to introduce a new service
<i>Richard Kirby, Chief Operating Officer, Sandwell & West Birmingham</i> |
| 1715 | How to evaluate a new test prior to introduction into routine service
<i>Keith Perry, Health Protection Agency, London</i> |

1600-1630

COFFEE AND POSTER VIEWING

1600-1830
HALL10B

MINI-COURSE THREE

The role of prophylaxis and emerging technologies in the management of surgical Infections

- 1600 Introduction and overview of session
Professor Shervanthi Homer-Vanniasinkam
- The role of prophylaxis in preventing surgical site infections**
- 1610 The surgeon's perspective
Mr Philip Howard, Leeds
- 1630 The microbiologist's perspective
Dr Mark Farrington, Cambridge
- 1650 Panel discussion & debate
- 1710 **Poster session**
Agents for surgical prophylaxis
Rapid diagnostic testing and other emerging technologies

New and emerging technologies - their roles and shortcomings in the diagnosis and management of surgical infections:

- 1730 The surgeon's perspective
- 1750 The microbiologist's perspective
- 1810 Panel discussion
- 1830 Close

Supported by an unrestricted educational grant from Pfizer

1630-1800
EXECUTIVE ROOM 1

CONCURRENT SESSIONS

Workshop: Mathematical modelling

Hosted and led by Dr Frank Rijsberman, Google Predict and Prevent, USA, Professor Neil Ferguson, London and Dr Martin Wolkewitz, Freiberg.

This interactive session will examine how mathematical modeling can aid and enhance understanding of the emergence and spread of epidemic and pandemics.

Frank Rijsberman, Google Predict & Prevent, Neil Ferguson, MRC Centre for Outbreak Analysis and Modeling, Imperial College London and Martin Wolkewitz, University of Freiberg will give presentations and host Q&A sessions.

Please refer to presentation abstracts for detailed overview of the topics and issues to be addressed.

HALL 10A

Perspectives from the dark side

Sponsored by the Intensive Care Society

Chair: Professor Mervyn Singer

- 1630 Diagnostic and prognostic biomarkers for sepsis and organ injury
Professor Mervyn Singer, University College, London
- 1700 Steroid therapy good, bad or what?
Professor Djillali Annane, Paris, France
- 1730 Should we use statins for swine flu?
Dr David Fedson, Geneva, Switzerland

HALL 1

Do we know how to manage Staphylococcus aureus bacteraemia?

Sponsored by the British Infection Society

Chair(s): Dr Guy Thwaites & Dr Martin Llewelyn

- 1630 The management of S. aureus bacteraemia: what does the evidence and guidelines tell us?
Dr Martin Llewelyn, Brighton

- 1700 The management of *S. aureus* bacteraemia: do we practice what we preach?
Dr Guy Thwaites, London
- 1730 The management of *S. aureus* bacteramia: what do you do?
Interactive case and management discussion (all delegates)

1930

CONFERENCE DINNER

FRIDAY 13 NOVEMBER 2009

0800-0900

Lessons in microbiology and infection control

Hospital Infection Society and Infection Prevention Society

Chair: Dr Tim Boswell

- 0800 Use of a set of standardised interventions for wards with periods of increased incidence of *Clostridium difficile* infection leads to reduction in infections
Dr Savita Gossain, Birmingham
- 0810 Development of a new optimal diagnostic algorithm; Prospective evaluation of methods for the laboratory diagnosis of *Clostridium difficile*.
Dr Tim Planche, London
- 0820 “End of reason in the pandemic season?”- mislabelling of potentially life threatening infections requiring timely antimicrobials as “swine flu”
Dr Catherine Houlihan, Newcastle
- 0830 Lessons Learnt from Hospital-Acquired Legionnaires’ Disease (LD) occurring despite adherence to national guidelines
Dr Nicholas Matheson, Cambridge
- 0840 Poor compliance with hand hygiene during patient care
Dr Stephanie Dancer, Glasgow

0915
HALL 1

Plenary lecture:

Chair: Professor Peter Davey

Improving the patient experience

Fiona Godlee, Editor, British Medical Journal

1015-1100

COFFEE AND POSTER VIEWING

1015-1100
EXECUTIVE ROOM 1

Core Infection Training: A new curriculum for infection trainees in the 21st century

Sponsored by the Academy of Medical Royal Colleges, The Royal College of Pathologists and Royal College of Physicians of London

Chaired and led by Professor Christopher P Conlon and Professor Martin Gill

OPEN TO ALL

1100-1230

CONCURRENT SESSIONS

HALL 10B

See, I told you it was their fault: Patient based factors

- 1100 The effect of migration on health inequalities
Professor Paul Boyle, St Andrews
- 1130 Consequences and assessment of frailty in older people
Professor Kenneth Rockwood, Halifax, Canada
- 1200 Obesity
Professor Mike Lean, Glasgow

HALL 1

Design Bugs Out – Hospital Design & Infection Control

Sponsored by Dept of Health, Hospital Infection Society, Infection Prevention Society

Chair: Carole Fry

- 1100 Introduction and overview
Dr Brian Deurden, Inspector of Microbiology & Infection Control, Department of Health, England
- 1110 How design influences behavior
Mr Richard Seymour, Seymour Powell
- 1125 Deconstructing the commode
Mr Tom Lloyd, Pearson Lloyd
- 1140 Smart solutions
Brian Griffiths, Trust Tech
- 1155 Pilot study of novel solutions to bring source isolation to the ward patient
Dr Peter Wilson, University College Hospital
- 1210 Panel discussion

HALL 10A

Releasing time to care

Sponsored by Royal College of Nursing

Chair: Rose Gallagher, RCN, London

- 1100 Improving systems for decolonisation of patients carrying MRSA in the community (exact title tbc)
Sue Barber, Milton Keynes Community Health Services
- 1120 Intervention to improve the patient experience and reduce catheter related infections
Alison Bardsley, Continence Project Lead, Oxford
- 1140 The South Manchester Great Hospital Handwash
Alison Kelly, South Manchester
- 1200 The role of the quality panel in improving the patient experience
Barbara Carr, Assistant Director, Quality & Patient Experience

1230-1400

LUNCH AND POSTER VIEWING

1300-1355

Poster Presentations and Walks (see notice boards for further details)

- Group 7 Nosocomial Infections
Group 8 Clinical Trials & Epidemiology
Group 9 Vaccines, STDs, Surgical, Viral and Rickettsial Diseases

1300-1355

HALL9

CONCURRENT SESSIONS

Priorities for Surveillance of Antibiotic Consumption

Sponsored by European Surveillance of Antibiotic Consumption and the UK Administration Surveillance Networks

Chair: Professor Herman Goossens

UK priorities

Professor Roger Finch, Chair, ARHAI

ESAC European overview

Dr Herman Goossens, ESAC, Belgium

ESAC Ambulatory care data, comparison of UK with Europe and key trends

Dr Hayley Wickens, Imperial College, London

ESAC Hospital Core data, comparison of UK with Europe

Professor Peter Davey, UK ESAC Lead, Dundee, Scotland

HALL 10A

Free paper session

- 1300 Structures and host recognitions of antigenic serotype 7, 13 glycopeptidolipids from *Mycobacterium intracellulare* (FP16)
Dr Nagatoshi Fujiwara, Japan
- 1310

- HIV in Older People - the Sheffield Perspective (FP17)
Dr Kath Cunningham, Sheffield
- 1320 Pharmacist Led Campaign to Improve Compliance with Antimicrobial Prescribing Policy and Investigate Type of Infection on Two Acute Medical Units (FP18)
Ms Wendy Lawson, London
- 1340 Epidemiological investigation of suspected transmission of Influenza A H1N1v (Swine Flu) on board an aircraft (FP19)
Dr Babatunde Olowokure, West Midlands
- 1350 Correlation between MRSA bacteraemia rates and bacteraemia with other organisms: an analysis of 4862 episodes over eight years (FP20)
Dr Aodhan Breathnach, London

1400
 HALL 1

The J D Williams Lecture

Sponsored by the Association of Medical Microbiologists

Chair: Dr Beryl Oppenheim

The enigma of *Pseudomonas aeruginosa* in the lungs of people with cystic fibrosis – a case of natural selection?

Dr Ty Pitt, Health Protection Agency, London

1500

CONCURRENT SESSIONS

HALL 10B

Public engagement in infection management

Sponsored by National Concern for Hospital Infections

Chair: Professor Peter Davey

1500 Patient involvement in patient safety

Baroness Masham of Ilton

1520 Patient Safety First Campaign

Dr Maxine Power, Salford

1540 Informing the Public about antimicrobial resistance

Dr Uwe Frank, Freiberg, Germany

HALL 1

Clostridium difficile the unwelcome guest – a problem for an ageing population

Sponsored by the British Geriatrics Society

Chair: Professor Ian Poxton

1500 Clostridium difficile – the unwelcome guest

Professor Ian Poxton, Edinburgh

1530 Clostridium difficile – the hospitable host

Professor John Starr, Edinburgh

HALL 10A

Data mining: linkage of antibiotic prescribing, HCAI surveillance and hospital statistics

Sponsored by the Association of Medical Microbiologists

Chairs: Dr Andrew Pearson and Dr Beryl Oppenheim

1500 Disconnecting for Health: the way forward using integrated solutions

Dr Saul Faust, Southampton

1520 The Shrewsbury and Telford experience: using an automated solution to integrate PAS, microbiology and hospital prescribing information

Dr Rod Warren, Shrewsbury

1540 Data mining technology: the strategic options

Dr Andrew Pearson, London

1600
 HALL 1

Question Time

Chaired by Fiona Godlee, Editor-in-Chief, British Medical Journal

1700

Close of conference