



BRITISH SOCIETY FOR
**ANTIMICROBIAL
CHEMOTHERAPY**

EUROPEAN SUMMIT
THE ROLE OF VACCINES AND
DIAGNOSTICS IN ADDRESSING AMR

8-9 JUNE 2017
QEII CONFERENCE CENTRE, LONDON

PROGRAMME



0900 **REGISTRATION AND REFRESHMENTS**

1020 Welcome and opening remarks

KEYNOTE PRESENTATION

1030 Antimicrobial Resistance – where to next?

Professor John Watson, Deputy Chief Medical Officer, Department of Health, London

PLENARY SESSION

HOW CAN VACCINES AND DIAGNOSTICS TO HELP WIN THE BATTLE AGAINST ANTIMICROBIAL RESISTANCE?

1100 Update on the potential and actual role of vaccines in reducing antimicrobial resistance

Dr David McIntosh, Honorary Clinical Senior Lecturer, Imperial College, London

1125 Diagnostics

Dr Fiona Carragher, Deputy Chief Scientific Officer, NHS England, London

1150 Q&A

1200 **REFRESHMENTS, NETWORKING & POSTER VIEWING**

PARALLEL SESSIONS

1230 **1 DIAGNOSTIC SOLUTIONS FOR ANTIMICROBIAL RESISTANCE (AMR): IDENTIFYING UNMET CLINICAL NEEDS**

1230 **2 INVITED PAPERS: 4 X 15 MINUTES FOCUSED ON VACCINES**

1330 **LUNCH, NETWORKING & POSTER VIEWING**

1430 Sponsored session

PARALLEL SESSIONS

1 AMR RAPID DIAGNOSTIC TESTS: NEEDS, TARGET PRODUCT PROFILES AND TECHNOLOGIES

1515 Clinical need

Professor Hermann Goossens, University of Antwerp

1535 Target Product

Dr Cassandra Kelly, Head of AMR & Outbreak, Foundation for Innovative New Diagnostics (FIND)

1555 Technologies: Overview of emerging technologies

1605 (A) ImmunoPoC and Minicare HCL: 15 minute fingerprick test for level and type of infection

Dr Liran Shani, ImmunoPOC

1615 (B) Pulmocheck: Test for bacterial infection

1625 Q&A

2 REDUCING ANTIBIOTIC USAGE THROUGH ROUTINE VACCINATION PROGRAMMES

1515 **The potential impact of a Group B streptococcus vaccine on the use of perinatal antibiotics**
Professor Paul Heat, Professor of Paediatric Infectious Diseases, St George's Hospital, London

1535 **Impact of the childhood influenza programme on disease burden in the elderly**
Dr Richard Pebody, Head, Influenza and Other Respiratory Virus Surveillance Section, Public Health England, London

1535 **Staph aureus vaccines**
Dr David Wyllie, Senior Clinical Research Fellow, Group Head / PI, Consultant Physician, Member of congregation and Supervisor, University of Oxford, Oxford

3 REDUCING ANTIBIOTIC USAGE THROUGH ROUTINE VACCINATION PROGRAMMES

1515 **Whats new in antifungal susceptibility testing**
Professor Malcolm Richardson

1540 **Development of disc diffusion test for anaerobes**
Mr Trefor Morris

1605 **Colistin resistance: our last hope**
Dr Lim Jones

1605 **Discussion**

1645 **REFRESHMENTS, NETWORKING & POSTER VIEWING**

PARALLEL SESSIONS

1 ROUTINE AND RAPID SURVEILLANCE SYSTEMS

1715 **What surveillance do we have for AMR?**
Dr Berit Muller-Peabody, Public Health England, London

1735 **Why is surveillance important after introducing vaccines?**
Dr Michael Edelstein, Immunisation, Hepatitis and Blood Safety Department, National Infection Service, London

1755 **Rapid surveillance in emergency situations: The Zika Experience**

1815 **Legacy planning - what did we learn from Ebola?**
Dr Timothy Brookes, Public Health England, Porton Down, Salisbury

1835 **Q&A**

**2 NEXT GENERATION ANTIMICROBIAL SUSCEPTIBILITY TESTING OF BACTERIA
- THE ROLE OF WHOLE GENOME SEQUENCING**

1715 **Rapid susceptibility testing: new phenotypic and non-WGS genotypic approaches**
Dr Oskar Ekelund, Department of Clinical Microbiology and the EUCAST Development Laboratory, Kronoberg Region, Central Hospital, Växjö, Sweden

1745 **WGS-based susceptibility testing for TB: from research to service delivery**
Professor Grace Smith, Deputy Director, PHE London

1815 **Should WGS be used for susceptibility testing of bacteria other than TB ?**
Dr Matthew Ellington, Principal Clinical Scientist / Project Manager, PHE London

1845 **WELCOME DRINKS AND NETWORKING**

0730 **BREAKFAST / COFFEE / TEA / BAGEL**

CLINICAL LESSONS

0800 Invited papers: 4 x 15 minutes focussed on diagnostics

PLENARY SESSION

ANTIMICROBIAL SUSCEPTIBILITY TESTING

0900 Invited Lecture - Antimicrobial susceptibility testing – then, now and the future

Dr Derek Brown, Scientific Secretary, European Committee on Antimicrobial Susceptibility Testing

0940 **Q&A: What next for EUCAST?**

Professor Gunnar Kahlmeter, Past- Chair/Technical Data Co-ordinator and Dr Derek Brown, Scientific Secretary, European Committee on Antimicrobial Susceptibility Testing

PARALLEL SESSIONS

1 AMR RAPID DIAGNOSTIC TESTS: DEVELOPMENT ROADMAPS, BUSINESS MODELS AND BEHAVIOUR CHANGE

0950 **Development Roadmap**

Dr Alex Van-Belkum, Corporate Vice President, bioMerieux

1010 **Business Models**

1030 **Behaviour Change**

Dr John Hays, Associate Professor, Erasmus University Medical Centre (Erasmus MC), Rotterdam, The Netherlands

2 VACCINE ACCESS AND UPTAKE: THE GLOBAL CHALLENGE

0950 **HPV vaccine and current controversies about vaccine uptake**

Professor Margaret Stanley, Director of Research, Pathology, University of Cambridge

1020 **Malaria Vaccine Initiative**

Professor Didier Raoult, Aix-Marseille Université, Marseille, France

1050 **Q&A**

1100 **REFRESHMENTS, NETWORKING & POSTER VIEWING**

1130 **Sponsored symposium one**

1130 **Sponsored symposium Two**

PLENARY KEYNOTE LECTURE

1215 **Pneumococcal vaccine programme**

Professor Keith Klugman, The Bill and Melinda Gates Foundation

1300 **LUNCH, NETWORKING & POSTER VIEWING**

PARALLEL SESSIONS

1 THE QUIET REVOLUTION: THE MODERNISATION OF LABORATORIES - OPTIMAL USE OF EXISTING DIAGNOSTICS

1345 Point of care testing - lessons from procalcitonin

1405 **MALDI-TOF and its impact on patient care**

Dr Savita Gossain, Consultant Medical Microbiologist, Birmingham Heartlands Hospital

1425 **Syndromic approaches to infection detection - tacman microarrays**

Dr Martin Curran, Clinical Microbiology and Public Health Laboratory, Public Health England, Addenbrooke's Hospital, Cambridge

2 VACCINES AGAINST ANTIBIOTIC RESISTANCE ORGANISMS

1345 **Typhoid vaccine**

Professor Andrew Pollard, Professor of Paediatric Infection and Immunity, University of Oxford, Oxford

1405 **New TB vaccines**

1425 **HIV vaccine**

Professor Sarah Rowland-Jones, Professor of Immunology, Nuffield Department of Medicine, University of Oxford

PLENARY SESSION

AMR GAME CHANGERS: NEXT GENERATION VACCINES AND DIAGNOSTICS

1445 **Emerging and experimental vaccines: Vaccinating against MRSA, e-Coli and C-Diff**
- where are we now?

Diagnostics - the next best things and more

1545 **CLOSING REMARKS**