

10th International Symposium on Pneumococci and Pneumococcal Diseases (ISPPD 2016)  
Glasgow, UK  
26-30 June 2016  
Congress website: <http://www.isppd2016.kenes.com/>  
Society website: <http://www.isppd2016.kenes.com/symposium-information/about-isppd#.Vv5s0U996M8>

## LEARNING OBJECTIVES

After participating in this educational event, learners should be able to:

- Address individual needs in compliance with their Continuous Professional Development (CPD) plan.
- Evaluate new pneumococcal research outcomes.
- Analyse the latest achievements, emerging controversies and lingering hurdles in the pathway to controlling the consequences of pneumococcal disease on individuals and communities.
- Foster collaboration between ISPPD and all stakeholders.
- Evaluate the most important aspects of pneumococcal treatment and prevention.
- Discuss his/her knowledge of microbial pathogenesis and ecology and its consequence for human disease.
- Enhance the dialogue between experts in pneumococcal biology, diagnostics, treatment, and prevention as a means of further developing individual expertise.

## SCIENTIFIC PROGRAMME

## TIMETABLE

Plenary Sessions	Meet the Expert	Invited Oral Poster Presentations	Eposter Presentations
Special Industry Symposia	Opening / Closing	Networking Events	

### Sunday, June 26, 2016

	Hall A	Hall B	Hall C	Hall D
17:30-18:30	Opening Ceremony			
18:30-20:00	Welcome Reception			

### Monday, June 27, 2016

	Hall A	Hall B	Hall C	Hall D
08:00-09:30	<b>Special Industry Symposia</b> <i>(Industry Session not included in main event CME/CPD credit)</i>			
09:30-11:00	<b>Plenary Session I</b> <b>Burden of Pneumococcal Disease</b> <i>Leaders:</i> <b>Abdullah Brooks (Bangladesh); Katherine O'Brien (USA);</b> <b>Andrew Pollard (UK)</b>			
09:30	What is the current state of global pneumococcal epidemiology and how we should measure it? Katherine O'Brien (USA)			
10:00	What have vaccines and different vaccine schedules done to the burden of pneumococcal disease? Anthony Scott (Kenya/United Kingdom)			
10:30	Oral presentation from submitted abstracts			
10:45	Oral presentation from submitted abstracts			
11:00-11:45	Tea Break, Visit Exhibition, Poster Viewing			
11:45-13:00	<b>Invited Oral Poster Presentations</b> <b>Burden of Pneumococcal Disease</b>	<b>Eposter Presentations</b> <b>Pneumococcal Ecology (in Exhibition Area)</b>		
13:00-14:15	Lunch, Visit Exhibition, Poster Viewing			
13:30-14:15	<b>Meet the Expert: Do-it-yourself Genome Analyses and Data Management</b> Hervé Tettelin (USA); Stephen Bentley (UK)	<b>Meet the Expert: Issues and Techniques for Culturing, Identifying and Serotyping the Pneumococcus</b> Paul Turner (Cambodia); Jason Hinds (UK)	<b>Meet the Expert: Measuring the Impact of Vaccine on Otitis Media – Pitfalls and Problems</b> Ron Dagan (Israel); Stephen Pelton (USA)	<b>Meet the Expert: Using Carriage to Measure Vaccine Impact</b> Laura Hammitt (USA); Stefan Flasche (UK)
14:15-15:45	<b>Plenary Session II</b> <b>Pneumococcal Ecology</b> <i>Leaders:</i> <b>Martin Antonio (Gambia); Debby Bogaert (Netherlands);</b> <b>Elizabeth Miller (UK); Daniel Weinberger (USA)</b>			
14:15	PCV impact, serotype replacement and carriage in different regions Shabir Mahdi (South Africa)			
14:35	Dynamic changes in pneumococcal carriage as a result of PCV William Hanage (USA)			
14:55	The infant nasopharyngeal microbiome in health and disease Debby Bogaert (Netherlands)			
15:15	Pneumococcal behaviour in biofilms in relation to viral infection and co-bacterial carriage Anders Hakansson (Sweden)			
15:35	Oral presentation from submitted abstracts			
15:45-16:15	Tea Break, Visit Exhibition, Poster Viewing			
16:15-17:30	<b>Invited Oral Poster Presentations</b> <b>Pneumococcal Ecology</b>	<b>Eposter Presentations</b> <b>Burden of Pneumococcal Disease</b> <b>(in Exhibition Area)</b>		

17:30-19:00	<b>Gates Symposium</b>			
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**Tuesday, June 28, 2016**

	Hall A	Hall B	Hall C	Hall D
08:00-09:30	<b>Special Industry Symposia</b> <i>(Industry Session not included in main event CME/CPD credit)</i>			
09:30-11:00	<b>Plenary Session III</b> <b>Ongoing Challenge of Pneumococcal Pneumonia</b> <i>Leaders:</i> <b>Neil French (UK); Tomas Evans (UK); Jennifer Verani (USA); Grant Mackenzie (Gambia)</b>			
09:30	Overview on paediatric pneumonia and lower respiratory tract infections, putting pneumococcus in context Stephen Graham (Australia)			
09:50	Prevention of pneumococcal pneumonia - beyond PCV, including the role of co-infections (RSV, influenza) and environmental factors Keith Klugman (USA)			
10:10	The management of pneumococcal pneumonia Carrie Byington (USA)			
10:30	Oral presentation from submitted abstracts			
10:40	Oral presentation from submitted abstracts			
10:50	Oral presentation from submitted abstracts			
11:00-11:45	Tea Break, Visit Exhibition, Poster Viewing			
11:45-13:00	<b>Invited Oral Poster Presentations</b> <b>Ongoing Challenge of Pneumococcal Pneumonia</b>	<b>Eposter Presentations</b> <b>Bacterial Genomics</b> <b>(in Exhibition Area)</b>		
13:00-14:15	Lunch, Visit Exhibition, Poster Viewing			
13:30-14:15	<b>Meet the Expert: MLST in the Genomic Era: Submissions to the PubMLST Database</b> Mark van der Linden (Germany); Keith Jolley (UK)	<b>Meet the Expert: Use of Mathematical Modelling to Understand Pneumococcal Biology</b> Daniel Weinberger (USA); Marc Lipsitch (USA)	<b>Meet the Expert: How to do Surveillance and Measure PCV Impact in Developed and Developing Country Settings</b> Elizabeth Miller (UK); Clare Von Mollendorf (South Africa); Cindy Whitney (USA)	<b>Meet the Expert: Problems Defining the Aetiology of Pneumonia</b> Maria Knoll (USA); Shabir Madhi (South Africa)
14:15-15:45	<b>Plenary Session IV</b> <b>Bacterial Genomics</b> <i>Leaders:</i> <b>Stephen Bentley (UK); Angela Brueggemann (UK); Luisa Hiller (USA); Hervé Tettelin (USA)</b>			
14:15	From TIGR4 to thousands of pneumococcal genomes in 15 years Hervé Tettelin (USA)			
14:25	The mechanisms of evolution and epigenomics Nicholas Croucher (United Kingdom)			
14:55	The prevalence and diversity of pneumococcal bacteriophages Angela Brueggemann (United Kingdom)			
15:10	The mechanisms of beta-lactam resistance Dalia Denapaite (Germany)			
15:25	Using genomics to reveal specific adaptations among pneumococci recovered from children with sickle cell disease Jason Rosch (USA)			
15:45-16:15	Tea Break, Visit Exhibition, Poster Viewing			
16:15-17:30	<b>Invited Oral Poster Presentations</b> <b>Bacterial Genomics</b>	<b>Eposter Presentations</b> <b>Ongoing Challenge of Pneumococcal Pneumonia</b> <b>(in Exhibition Area)</b>		
17:30-18:30	<b>Robert Austrian Lecture and Awards</b>			

**Wednesday, June 29, 2016**

	Hall A	Hall B	Hall C	Hall D
08:00-09:30	<b>Special Industry Symposia</b> <i>(Industry Session not included in main event CME/CPD credit)</i>			
09:30-11:00	<b>Plenary Session V</b> <b>Mechanisms Underlying Host Susceptibility to Disease</b> <b>Leaders:</b> <b>Timothy Mitchell (UK); Jeremy Brown (UK); Jeffrey Weiser (USA); Eliane Miyaji (Brazil)</b>			
09:30	Pneumococcal virulence James Paton (Australia)			
10:00	Host response to pneumococcal infection Jeffrey Weiser (USA)			
10:30	Oral presentation from submitted abstracts			
10:45	Oral presentation from submitted abstracts			
11:00-11:45	Tea Break, Visit Exhibition, Poster Viewing			
11:45-13:00	<b>Invited Oral Poster Presentations</b> <b>Mechanisms Underlying Host Susceptibility to Disease</b>	<b>Eposter Presentations</b> The Unique Challenge of Pneumococcal Disease in Adults (in Exhibition Area)		
13:00-14:15	Lunch, Visit Exhibition, Poster Viewing			
13:30-14:15	<b>Meet the Expert: Challenges Associated with Analysing Transcriptomics Data</b> Luisa Hiller (USA); Melinda Pettigrew (USA)	<b>Meet the Expert: Measuring the Impact of PCV on Pneumonia</b> Kate O'Brien (USA); Jennifer Moisi (France)	<b>Meet the Expert: Studying the Respiratory Microbiome – Pitfalls and Problems</b> Debby Bogaert (The Netherlands); Mark Nichol (South Africa)	<b>Meet the Expert: Programmatic Challenges with Sustained Use of PCV in Low and Middle Income Countries</b> Thomas Cherian (Geneva); Steve Sosler (Geneva)
14:15-15:45	<b>Plenary Session VI</b> <b>The Unique Challenge of Pneumococcal Disease in Adults</b> <b>Leaders:</b> <b>Stephen Gordon (UK); Grant Waterer (Australia); Sundeep Salvi (India); Stefano Aliberti (Italy)</b>			
14:15	Epidemiology of adult pneumococcal pneumonia - when we correct for HIV, aging and smoke exposure, are there any global or regional differences left? Sundeep Salvi (India)			
14:35	Can HIV-related pneumococcal disease be prevented in adults? How should it be done in resource-rich and resource-poor settings? Charles Feldman (South Africa); Kristina Crothers (USA)			
14:55	What are the big trial questions and how can we solve them? Stefano Aliberti (Italy)			
15:15	1000 patients from here and there - recent pneumonia cohorts in USA, UK, Nigeria and Malawi compared - are the risk factors and clinical lessons the same? Grant Waterer (Australia); Daniel Wootton (UK); Michael Iroezindu (Nigeria); Stephen Aston (UK)			
15:45-16:15	Tea Break, Visit Exhibition, Poster Viewing			
16:15-17:30	<b>Invited Oral Poster Presentations</b> <b>The Unique Challenge of Pneumococcal Disease in Adults</b>	<b>Eposter Presentations</b> Mechanisms Underlying Host Susceptibility to Disease (in Exhibition Area)		
17:30-18:30	<b>Special Symposia</b> <i>(Industry Session not included in main event CME/CPD credit)</i>			

**Thursday, June 30, 2016**

	Hall A	Hall B	Hall C	Hall D
09:15-10:30	<b>Invited Oral Poster Presentations New Pneumococcal Vaccines</b>			
10:30-11:15	Tea Break			
11:15-12:30	<b>Plenary Session VII New Pneumococcal Vaccines</b> <i>Leaders:</i> <b>Adam Finn (UK); David Goldblatt (UK); Richard Malley (USA); Mark Alderson (USA)</b>			
11:15	The future of pneumococcal conjugate vaccines George Siber (USA)			
11:35	The future of protein-containing pneumococcal vaccines currently in development Mark Alderson (USA)			
11:55	Roundtable Discussion: Strategies for licensing the next generation of pneumococcal vaccines Adam Finn (United Kingdom); Anne von Gottberg (South Africa); Norman Baylor (USA); Kim Mulholland (Australia); Lieke Sanders (The Netherlands)			
12:30-13:00	<b>Closing Session</b>			

# ISPPD 2016 Scientific Programme

## Sunday, June 26, 2016

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### **OPENING / CLOSING: OPENING CEREMONY**

17:30 - 18:30 Clyde Auditorium

### **WELCOME RECEPTION: WELCOME RECEPTION**

18:30 - 20:00 Exhibition

## Monday, June 27, 2016

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### **SPECIAL SYMPOSIA (INCLUDING INDUSTRY)**

*(Industry Session not included in main event CME/CPD credit)*

08:00 - 09:30 Clyde Auditorium

### **PLENARY SESSIONS: BURDEN OF PNEUMOCOCCAL DISEASE**

09:30 - 11:00 Clyde Auditorium

Organiser: Abdullah Brooks (Bangladesh)

Organiser: Katherine O'Brien (USA)

Organiser: Andrew Pollard (United Kingdom)

09:30 **WHAT IS THE CURRENT STATE OF GLOBAL PNEUMOCOCCAL EPIDEMIOLOGY AND HOW WE SHOULD MEASURE IT?**

Invited Speaker: Katherine O'Brien (USA)

10:00 **WHAT HAVE VACCINES AND DIFFERENT VACCINE SCHEDULES DONE TO THE BURDEN OF PNEUMOCOCCAL DISEASE?**

Invited Speaker: Anthony Scott (United Kingdom)

10:30 **ORAL PRESENTATION FROM SUBMITTED ABSTRACTS**

Invited Speaker: Tba Tba ()

10:45 **ORAL PRESENTATION FROM SUBMITTED ABSTRACTS**

Invited Speaker: Tba Tba ()

**BREAK: TEA BREAK, VISIT EXHIBITION, POSTER VIEWING**

11:00 - 11:45 Exhibition

### **INVITED ORAL POSTER PRESENTATIONS: INVITED ORAL POSTER PRESENTATIONS 01: BURDEN OF PNEUMOCOCCAL DISEASE**

11:45 - 13:00 Clyde Auditorium

**E-POSTER VIEWING SESSIONS: E-POSTER VIEWING SESSIONS 01: PNEUMOCOCCAL ECOLOGY**

11:45 - 13:00 E-Poster

**BREAK: LUNCH, VISIT EXHIBITION, POSTER VIEWING**

13:00 - 14:15 Exhibition

**MEET THE EXPERT: MEET THE EXPERT 01: DO-IT-YOURSELF GENOME ANALYSES AND DATA MANAGEMENT**

13:30 - 14:15 Clyde Auditorium

**MEET THE EXPERT: MEET THE EXPERT 02**

13:30 - 14:15 Room B

**MEET THE EXPERT: MEET THE EXPERT 03**

13:30 - 14:15 Room C

**MEET THE EXPERT: MEET THE EXPERT 04**

13:30 - 14:15 Room D

**PLENARY SESSIONS: PNEUMOCOCCAL ECOLOGY**

14:15 - 15:45 Clyde Auditorium

Organiser: Martin Antonio (Gambia)

Organiser: Debbie Bogaert (Netherlands)

Organiser: Elizabeth Miller (United Kingdom)

Organiser: Daniel Weinberger ()

**14:15 PCV IMPACT, SEROTYPE REPLACEMENT AND CARRIAGE IN DIFFERENT REGIONS**

Invited Speaker: Shabir Mahdi (South Africa)

**14:35 DYNAMIC CHANGES IN PNEUMOCOCCAL CARRIAGE AS A RESULT OF PCV**

Invited Speaker: William Hanage (USA)

**14:55 THE INFANT NASOPHARYNGEAL MICROBIOME IN HEALTH AND DISEASE**

Invited Speaker: Debbie Bogaert (Netherlands)

**15:15 PNEUMOCOCCAL BEHAVIOUR IN BIOFILMS IN RELATION TO VIRAL INFECTION AND CO-BACTERIAL CARRIAGE**

Invited Speaker: Anders Hakansson (Sweden)

**15:35 ORAL PRESENTATION FROM SUBMITTED ABSTRACTS**

Invited Speaker: Tba Tba ()

**BREAK: TEA BREAK, VISIT EXHIBITION, POSTER VIEWING**

15:45 - 16:15 Exhibition

**INVITED ORAL POSTER PRESENTATIONS: INVITED ORAL POSTER PRESENTATIONS 02: PNEUMOCOCCAL ECOLOGY**

16:15 - 17:30 Clyde Auditorium

**E-POSTER VIEWING SESSIONS: E-POSTER VIEWING SESSIONS 02: BURDEN OF PNEUMOCOCCAL DISEASE**

16:15 - 17:30 E-Poster

**GATES SYMPOSIUM: GATES SYMPOSIUM**

17:30 - 19:00 Clyde Auditorium



# Tuesday, June 28, 2016

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## **SPECIAL SYMPOSIA (INCLUDING INDUSTRY)**

*(Industry Session not included in main event CME/CPD credit)*

08:00 - 09:30 Clyde Auditorium

## **PLENARY SESSIONS: ONGOING CHALLENGE OF PNEUMOCOCCAL PNEUMONIA**

09:30 - 11:00 Clyde Auditorium

Organiser: Thomas Evans (United Kingdom)

Organiser: Neil French (United Kingdom)

Organiser: Grant Mackenzie (Gambia)

Organiser: Jennifer Verani (USA)

### **09:30 OVERVIEW ON PAEDIATRIC PNEUMONIA AND LOWER RESPIRATORY TRACT INFECTIONS, PUTTING PNEUMOCOCCUS IN CONTEXT**

Invited Speaker: Stephen Graham (Australia)

### **09:50 PREVENTION OF PNEUMOCOCCAL PNEUMONIA - BEYOND PCV, INCLUDING THE ROLE OF CO-INFECTIONS (RSV, INFLUENZA) AND ENVIRONMENTAL FACTORS**

Invited Speaker: Keith Klugman (USA)

### **10:10 THE MANAGEMENT OF PNEUMOCOCCAL PNEUMONIA**

Invited Speaker: Carrie Byington (USA)

### **10:30 ORAL PRESENTATION FROM SUBMITTED ABSTRACTS**

Invited Speaker: Tba Tba ()

### **10:40 ORAL PRESENTATION FROM SUBMITTED ABSTRACTS**

Invited Speaker: Tba Tba ()

### **10:50 ORAL PRESENTATION FROM SUBMITTED ABSTRACTS**

Invited Speaker: Tba Tba ()

### **BREAK: TEA BREAK, VISIT EXHIBITION, POSTER VIEWING**

11:00 - 11:45 Exhibition

## **INVITED ORAL POSTER PRESENTATIONS: INVITED ORAL POSTER PRESENTATIONS 03: ONGOING CHALLENGE OF PNEUMOCOCCAL PNEUMONIA**

11:45 - 13:00 Clyde Auditorium

## **E-POSTER VIEWING SESSIONS: E-POSTER VIEWING SESSIONS 03: BACTERIAL GENOMICS**

11:45 - 13:00 E-Poster

## **BREAK: LUNCH, VISIT EXHIBITION, POSTER VIEWING**

13:00 - 14:15 Exhibition

## **MEET THE EXPERT: MEET THE EXPERT 05**

13:30 - 14:15 Clyde Auditorium

## **MEET THE EXPERT: MEET THE EXPERT 06**

13:30 - 14:15 Room B

**MEET THE EXPERT: MEET THE EXPERT 07**

13:30 - 14:15 Room C

**MEET THE EXPERT: MEET THE EXPERT 08**

13:30 - 14:15 Room D

**PLENARY SESSIONS: BACTERIAL GENOMICS**

14:15 - 15:45 Clyde Auditorium

Organiser: Stephen Bentley (United Kingdom)

Organiser: Angela Brueggemann (United Kingdom)

Organiser: Luisa Hiller (USA)

Organiser: Hervé Tettelin (USA)

**14:15 FROM TIGR4 TO THOUSANDS OF PNEUMOCOCCAL GENOMES IN 15 YEARS**

Invited Speaker: Hervé Tettelin (USA)

**14:25 THE MECHANISMS OF EVOLUTION AND EPIGENOMICS**

Invited Speaker: Nicholas Croucher (United Kingdom)

**14:55 THE PREVALENCE AND DIVERSITY OF PNEUMOCOCCAL BACTERIOPHAGES**

Invited Speaker: Angela Brueggemann (United Kingdom)

**15:10 THE MECHANISMS OF BETA-LACTAM RESISTANCE**

Invited Speaker: Dalia Denapaite (Germany)

**15:25 USING GENOMICS TO REVEAL SPECIFIC ADAPTATIONS AMONG PNEUMOCOCCI RECOVERED FROM CHILDREN WITH SICKLE CELL DISEASE**

Invited Speaker: Jason Rosch (USA)

**BREAK: TEA BREAK, VISIT EXHIBITION, POSTER VIEWING**

15:45 - 16:15 Exhibition

**INVITED ORAL POSTER PRESENTATIONS: INVITED ORAL POSTER PRESENTATIONS 04: BACTERIAL GENOMICS**

16:15 - 17:30 Clyde Auditorium

**E-POSTER VIEWING SESSIONS: E-POSTER VIEWING SESSIONS 04: ONGOING CHALLENGE OF PNEUMOCOCCAL PNEUMONIA**

16:15 - 17:30 E-Poster

**ROBERT AUSTRIAN LECTURE AND AWARDS**

17:30 - 18:30 Clyde Auditorium

# Wednesday, June 29, 2016

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## **SPECIAL SYMPOSIA (INCLUDING INDUSTRY)**

*(Industry Session not included in main event CME/CPD credit)*

08:00 - 09:00 Clyde Auditorium

## **PLENARY SESSIONS: MECHANISMS UNDERLYING HOST SUSCEPTIBILITY TO DISEASE**

09:30 - 11:00 Clyde Auditorium

Organiser: Jeremy Brown (United Kingdom)  
Organiser: Timothy Mitchell (United Kingdom)  
Organiser: Eliane Miyaji (Brazil)  
Organiser: Jeffrey Weiser (USA)

### **09:30 PNEUMOCOCCAL VIRULENCE**

Invited Speaker: James Paton (Australia)

### **10:00 HOST RESPONSE TO PNEUMOCOCCAL INFECTION**

Invited Speaker: Jeffrey Weiser (USA)

### **10:30 ORAL PRESENTATION FROM SUBMITTED ABSTRACTS**

Invited Speaker: Tba Tba ()

### **10:45 ORAL PRESENTATION FROM SUBMITTED ABSTRACTS**

Invited Speaker: Tba Tba ()

### **BREAK: TEA BREAK, VISIT EXHIBITION, POSTER VIEWING**

11:00 - 11:45 Exhibition

## **INVITED ORAL POSTER PRESENTATIONS: INVITED ORAL POSTER PRESENTATIONS 05: MECHANISMS UNDERLYING HOST SUSCEPTIBILITY TO DISEASE**

11:45 - 13:00 Clyde Auditorium

## **E-POSTER VIEWING SESSIONS: E-POSTER VIEWING SESSION 05: THE UNIQUE CHALLENGE OF PNEUMOCOCCAL DISEASE IN ADULTS**

11:45 - 13:00 E-Poster

## **MEET THE EXPERT: MEET THE EXPERT 09**

13:30 - 14:15 Clyde Auditorium

### **13:30 OTITIS MEDIA**

Invited Speaker: Ron Dagan (Israel)

### **MEET THE EXPERT: MEET THE EXPERT 10**

13:30 - 14:15 Room B

### **13:30 PENDING**

Invited Speaker: Tba Tba ()

### **MEET THE EXPERT: MEET THE EXPERT 11**

13:30 - 14:15 Room C

13:30 **PENDING**

Invited Speaker: Tba Tba ()

**MEET THE EXPERT: MEET THE EXPERT 12**

13:30 - 14:15 Room D

13:30 **PENDING**

Invited Speaker: Tba Tba ()

**PLENARY SESSIONS: THE UNIQUE CHALLENGE OF PNEUMOCOCCAL DISEASE IN ADULTS**

14:15 - 15:45 Clyde Auditorium

Organiser: Stefano Aliberti (Italy)

Organiser: Stephen Gordon (United Kingdom)

Organiser: Salvi Sundeeep (India)

Organiser: Grant Waterer (Australia)

**14:15 EPIDEMIOLOGY OF ADULT PNEUMOCOCCAL PNEUMONIA - WHEN WE CORRECT FOR HIV, AGING AND SMOKE EXPOSURE, ARE THERE ANY GLOBAL OR REGIONAL DIFFERENCES LEFT?**

Invited Speaker: Salvi Sundeeep (India)

**14:35 CAN HIV RELATED PNEUMOCOCCAL DISEASE BE PREVENTED IN ADULTS? HOW SHOULD IT BE DONE IN RESOURCE-RICH AND RESOURCE-POOR SETTINGS?**

Invited Speaker: Charles Feldman (South Africa)

**14:35 CAN HIV-RELATED PNEUMOCOCCAL DISEASE BE PREVENTED IN ADULTS? HOW SHOULD IT BE DONE IN RESOURCE-RICH AND RESOURCE-POOR SETTINGS?**

Invited Speaker: Kristina Crothers (USA)

**14:55 WHAT ARE THE BIG TRIAL QUESTIONS AND HOW CAN WE SOLVE THEM?**

Invited Speaker: Stefano Aliberti (Italy)

**15:15 1000 PATIENTS FROM HERE AND THERE - RECENT PNEUMONIA COHORTS IN USA, UK, NIGERIA AND MALAWI COMPARED - ARE THE RISK FACTORS AND CLINICAL LESSONS THE SAME?**

Invited Speaker: Grant Waterer (Australia)

**15:15 1000 PATIENTS FROM HERE AND THERE - RECENT PNEUMONIA COHORTS IN USA, UK, NIGERIA AND MALAWI COMPARED - ARE THE RISK FACTORS AND CLINICAL LESSONS THE SAME?**

Invited Speaker: Daniel Wootton (United Kingdom)

**15:15 1000 PATIENTS FROM HERE AND THERE - RECENT PNEUMONIA COHORTS IN USA, UK, NIGERIA AND MALAWI COMPARED - ARE THE RISK FACTORS AND CLINICAL LESSONS THE SAME?**

Invited Speaker: Michael Iroezindu (Nigeria)

**15:15 1000 PATIENTS FROM HERE AND THERE - RECENT PNEUMONIA COHORTS IN USA, UK, NIGERIA AND MALAWI COMPARED - ARE THE RISK FACTORS AND CLINICAL LESSONS THE SAME?**

Invited Speaker: Stephen Aston (United Kingdom)

**BREAK: TEA BREAK, VISIT EXHIBITION, POSTER VIEWING**

15:45 - 16:15 Exhibition

**INVITED ORAL POSTER PRESENTATIONS: INVITED ORAL POSTER PRESENTATIONS 06: THE UNIQUE CHALLENGE OF PNEUMOCOCCAL DISEASE IN ADULTS**

16:15 - 17:30 Clyde Auditorium

**E-POSTER VIEWING SESSIONS: E-POSTER VIEWING SESSIONS 06: MECHANISMS UNDERLYING HOST SUSCEPTIBILITY TO DISEASE**

16:15 - 17:30 E-Poster

**SPECIAL SYMPOSIA (INCLUDING INDUSTRY)**  
*(Industry Session not included in main event CME/CPD credit)*

17:30 - 18:00 Clyde Auditorium

# Thursday, June 30, 2016

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## **INVITED ORAL POSTER PRESENTATIONS: INVITED ORAL POSTER PRESENTATIONS 07: NEW PNEUMOCOCCAL VACCINES**

09:15 - 10:30 Clyde Auditorium

## **BREAK: TEA BREAK**

10:30 - 11:15 Clyde Auditorium

## **PLENARY SESSIONS: NEW PNEUMOCOCCAL VACCINES**

11:15 - 12:30 Clyde Auditorium

Organiser: Mark Alderson (USA)

Organiser: Adam Finn (United Kingdom)

Organiser: David Goldblatt (United Kingdom)

Organiser: Richard Malley (USA)

### **11:15 THE FUTURE OF PNEUMOCOCCAL CONJUGATE VACCINES**

Invited Speaker: George Siber (USA)

### **11:35 THE FUTURE OF PROTEIN CONTAINING PNEUMOCOCCAL VACCINES CURRENTLY IN DEVELOPMENT**

Invited Speaker: Mark Alderson (USA)

#### **ROUND TABLE DISCUSSION**

### **11:55 STRATEGIES FOR LICENSING THE NEXT GENERATION OF PNEUMOCOCCAL VACCINES**

Invited Speaker: Adam Finn (United Kingdom)

### **12:02 STRATEGIES FOR LICENSING THE NEXT GENERATION OF PNEUMOCOCCAL VACCINES**

Invited Speaker: Lieke Sanders (Netherlands)

### **12:09 STRATEGIES FOR LICENSING THE NEXT GENERATION OF PNEUMOCOCCAL VACCINES**

Invited Speaker: Anne Von Gottberg (South Africa)

### **12:16 STRATEGIES FOR LICENSING THE NEXT GENERATION OF PNEUMOCOCCAL VACCINES**

Invited Speaker: Norman Baylor (USA)

### **12:23 STRATEGIES FOR LICENSING THE NEXT GENERATION OF PNEUMOCOCCAL VACCINES**

Invited Speaker: Kim Mulholland (Australia)

#### **OPENING / CLOSING: CLOSING SESSION**

12:30 - 13:00 Clyde Auditorium