



The Society for Medicines Research

# **Therapeutic Opportunities in Infectious Diseases**

**14th March 2013**  
**NHLI, Kensington, London**

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## Therapeutic Opportunities in Infectious Diseases

### Programme:

Microbial resistance to chemotherapeutic agents is not a new development: the first lactam hydrolysing enzyme was identified before penicillins were even introduced to the clinic. Extended spectrum resistance to the major classes of chemotherapeutic agents is now common across many microorganisms, particularly pathogenic bacteria, due in part to over- and mis-use of antibiotics over the last 50 years. Global travel and greater social interaction has facilitated rapid transmission of infectious diseases, such as malaria, TB, HIV and HCV, resulting in an international agenda for addressing the lack of prevention and treatment options for these diseases.

The SMR conference 'Therapeutic Opportunities in Infectious Diseases' will provide an overview of the current unmet clinical need for new anti-infective agents and will present international speakers from academia and industry with examples of novel approaches and agents including small molecule approaches to the treatment of TB, HCV and HIV and vaccines in clinical trials for the prevention of malaria and meningococcal infection.

09.00 Registration and Coffee

**10.00 Session 1: The next generation of antibacterial agents - Chair: David Pryde**

Global and clinical implications of MDR and PDR Gram negative bacteria

**Timothy Walsh**, *Cardiff University, UK*

10.40 Development of new drugs for resistant bacteria: The challenges

**Seamus O'Brien**, *AstraZeneca, UK*

11.20 Lessons learned in TB drug discovery

**Jan Jiricek**, *Novartis Institute for Tropical Diseases, Singapore*

**12.00 Lunch**

## Therapeutic Opportunities in Infectious Diseases

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13.20 **Session 2 : Recent advances in antiviral agents -**

**Chair: Wendy Alderton**

Discovery and development of Simeprevir (TMC435) and TMC647055, two novel direct antiviral agents targeting the Hepatitis C Virus

**Pierre Raboisson**, *Janssen Infectious Diseases, Belgium*

14.00 Discovery of a Novel Allosteric Mechanism for the Regulation of HCV NS3/4a Protein using Fragment Screening and Structure-Based Design

**Susanne Saalau-Bethell**, *Astex Pharmaceuticals, UK*

14.40 LEDGINs, a novel class of antivirals targeting HIV integration

**Zeger Debyser**, *KU Leuven, Belgium*

**15.20 Tea**

15.50 **Session 3: Advances in vaccines targeting infectious disease - Chair: Steve Collingwood**

RTS,S: the first licensed malaria vaccine

**Eleanor Riley**, *London School of Hygiene and Tropical Medicine, UK*

16.30 Advances in meningococcal vaccine research

**Peter Dull**, *Novartis, US*

**17.10 Close**

**Next SMR Meeting:**

**Thursday 20th June 2013**

**“Partnerships: Future Models for Drug Discovery”**

*Manor House Conference Centre, Erl Wood Manor,*

*Windlesham, Surrey UK*

**(Please visit our website to view further meetings in 2013)**

## Therapeutic Opportunities in Infectious Diseases

Name:

Address:

Tel:  Fax:

Email:

Dietary Requirements: ☐ Vegetarian: Other:   
☐ Please tick if you need a car parking space

**Registration Fees:** Non-Members: £125 ☐ Honorary Life Member  
Retired members: £35 ☐ (FREE) ☐

SMR members: £85 ☐

Students: £35 ☐

*Note: Unemployed rates and student bursaries are available but places are limited - please contact the Secretariat for more details.*

**Cheque:** If you wish to pay by cheque, then please send your cheque made payable to **Society for Medicines Research**, together with this form to the address given below.

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Names and addresses of delegates will be included in a list given to all attendees. If you do **NOT** want your name to appear please tick this box. ☐

Fees once paid are not refundable unless a cancellation is received at least 5 working days prior to the event. Delegate substitutes are permitted at any time. Join on-line at [www.smr.org.uk](http://www.smr.org.uk) or through our secretariat at the address given below.

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