



## Plugging the Antibiotics Gap: A Medicinal Chemist's Perspective

Wednesday 16 November 2016, Alderley Park Conference Centre, Cheshire, UK

### Synopsis

Sustained under-investment in antimicrobials has led to a severe shortage of new drugs for treating infection. At a time when emerging antimicrobial resistance is decreasing the efficacy of existing treatments, it is more important than ever that we refresh the drug pipeline with new antimicrobials displaying novel modes of action.

Faced with this growing healthcare issue, renewed interest from both industry and academia has led to a resurgence in antimicrobial drug discovery. This meeting will examine the current state of the art from a medicinal chemist's perspective and will focus on the particular challenges associated with discovering and developing new antimicrobials. Speakers from industry and academia will describe their own strategies for addressing these challenges whilst showcasing the opportunity for creativity and innovation.

### Attendees

Bringing together leading exponents in the field, the meeting will appeal to anyone with an interest in antimicrobial resistance and antimicrobial drug discovery. With great opportunities for academic-industrial partnerships, researchers from both sectors will benefit from the networking opportunities that the meeting will also offer. SCI Members can claim CPD points for attending this conference.

### Exhibition and Sponsorship

The exhibition, posters and all refreshments will be situated in a single area just outside of the lecture theatre, ensuring excellent access to delegates throughout the meeting. If you are interested in exhibiting at this event or in sponsorship opportunities, please contact [clarice.williams@soci.org](mailto:clarice.williams@soci.org) for further information and costs.

### Registration

Register today [www.soci.org/events](http://www.soci.org/events) T: + (0)207 7598 1561 E: [conferences@soci.org](mailto:conferences@soci.org)

#### Standard rates after 30 September

SCI/RSC Members £80

SCI/RSC Student Members £50

Non-Members £160



@SCIUpdate  
#AntibioticGap



ROYAL SOCIETY  
OF CHEMISTRY

BIOLOGICAL AND  
MEDICINAL  
CHEMISTRY  
SECTOR



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# Wednesday 16 November 2016

Join SCI's Fine Chemicals Group and RSC's Biological and Medicinal Chemistry Sector during World Antibiotic Awareness Week 2016 for talks by leading exponents in the field of antimicrobial resistance and antimicrobial drug discovery.

The meeting will take place at the Alderley Park Conference Centre, Cheshire, which is on the Alderley Park research site, a hot spot for antibiotics research, having recently received £4 Million of government funding to establish a new antibiotics research hub.

## Programme

**10.00** Registration and refreshments

**10.45** Opening remarks

**10.50 The global challenge of antibacterial drug resistance: what can be done?**  
Prof Laura Piddock, University of Birmingham and Director Antibiotic Action, UK

**11.35 A brave new world: Novel Tricyclic Topoisomerase Inhibitors (NTTIs) with potent activity against drug-resistant bacteria**  
Dr Andrew Ratcliffe, Redx Pharma, Cheshire, UK

**12.05 Discovery of small molecules targeting bacterial peptidoglycan glycosyltransferase**  
Dr Alastair Parkes, Evotec, Oxfordshire, UK

**12.35** Flash poster presentations

**12.50** Lunch, exhibition and poster session

**13.50 Discovery of new antibiotics**  
Prof Dave Spring, University of Cambridge, UK

**14.35 Novel polymyxin derivatives for gram-negative infections: synthesis and SAR**  
Mrs Pamela Brown, Cantab Anti-Infectives, Hertfordshire, UK

**15.05 Discovery of new antibiotics for drug resistant *Neisseria gonorrhoeae***  
Dr Nawaz Khan, Discuva, Cambridge, UK

**15.35** Refreshment break, exhibition and poster session

**16.00 Novel topoisomerase inhibitors active against MDR gram-negative bacteria**  
Dr Georg Rueedi, Actelion Pharmaceuticals, Allschwil, Switzerland

**16.30 Towards new antibiotics targeting penicillin-binding proteins**  
Prof Chris Schofield, University of Oxford, UK

**17.15** Closing remarks

**17.20** Wine reception - Sponsored by  evotec

## Sponsors

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