



Novel Strategies for Combatting Anti-bacterial Resistance

A stimulating one-day programme of presentations by key scientists and clinicians working at the forefront of antibiotic Research & Development, organised by the **RSC Biotechnology Group**.

Monday 9 December 2019

**RSC Biotechnology Group
Royal Society of Chemistry Centre
Burlington House
Piccadilly,
London W1J 0BA.**

Introduction

The rapid emergence of antibiotic-resistant bacteria (ABR) that occurred soon after the introduction of antibiotics in the 1940s has become a 21st century global public health crisis, placing a substantial clinical and financial burden on healthcare providers, clinicians, patients and their families. In Europe alone, there are ~33,000 deaths per year due to resistant infections (700,000 world-wide) and resistant infections require longer stays in hospital thus increasing costs. Healthcare costs and subsequent productivity losses amount to ~1.5bn euros annually. By 2050, it is predicted that there will be 10 million deaths every year globally and costs worldwide are predicted to soar to £78 trillion GBP (\$100 trillion USD).

The present ABR crisis has been attributed to the overuse and injudicious prescribing of antibiotics, as well as a lack of new drug development by the pharmaceutical industry. To avert this crisis a coordinated, cross-sector, global response is urgently required to tackle ABR, implementing new prescribing policies and encouraging renewed research efforts directed towards the development of novel therapeutics and diagnostics. The **RSC Biotechnology Group** and sponsors invite you to an exciting one-day symposium entitled: ***Novel Strategies for Combatting Anti-bacterial Resistance***. This symposium brings together some of the most influential researchers involved in these endeavours and should be of interest to a wide audience of basic scientists, medicinal chemists, microbiologists, geneticists and clinicians.

Speakers

Prof Sir Anthony Coates (Institute of Infection & Immunity, St Georges University of London)

Prof Gerard Wright (Michael G. De Groote Institute for Infectious Disease Research, McMaster University, Ontario)

Prof Martha Clokic (Department of Genetics & Genome Biology, University of Leicester)

Prof Laura Piddock (Institute of Microbiology & Infection, University of Birmingham)

Prof Peter Monk (Department of Infection, Immunity & Cardiovascular Disease, University of Sheffield Medical School)

Dr Paul Race (School of Biochemistry, University of Bristol)

Dr Mary Phillips-Jones (School of Biosciences, University of Nottingham)

Dr David Powell (Summit Therapeutics plc, UK)

Registration fees

RSC Members **£130**

Non-members **£145**

Student/Retired RSC members **£65**

Student/Retired non-members £90

Posters

There will be a poster session with posters being displayed throughout the day. PhD students, post-doctoral fellows and Early Career Scientists who are RSC members and who wish to present a poster can apply for a personal Travel Grant *via* a link on the RSC website under FUNDING. (No funds for this purpose are available from the organisers).

Registration

Online registration is now open, *via* the 'Register' tab at:

<http://www.homepages.ucl.ac.uk/~ucbepad/RSCamr.html> Please include the delegate name in the instruction and send a copy of the payment advice with the application form. The fees include attendance at the sessions, lunch and refreshments. The organisers are not registered for VAT and tax invoices cannot be issued.

Further information

Please consult the web-page or contact the organizers: Dr Irene François (irenefrancois5@gmail.com), Dr Mary Phillips-Jones (mary.phillips-jones@nottingham.ac.uk) and Dr Paul Race (paul.race@bristol.ac.uk).