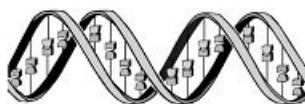




*Biological & Medicinal*



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## Antimalarial Drugs: Chemistry, Development & Future Challenges

Tuesday 15<sup>th</sup> March 2011

09:00 – 10:00 Registration

### Session One – Chair: Professor Stephen Ward

10:00 – 10:30 **Professor Steve Ward**  
Liverpool School of Tropical Medicine  
Welcome and Introduction to the  
AntiMal Conference

10:30 – 11:30 **Plenary Session 1 - Sanjeev Krishna**  
St Georges University of London  
“Greatest benefits to mankind” The  
discovery of antimalarials

11:30 – 12:00 **Professor Dennis Kyle**  
University of South Florida  
Mechanisms of Recrudescence and  
Resistance to Artemisinin Drugs in  
Malaria

### 12:00 – 13:30 Lunch and Poster Session

Posters will be presented in the Platt room and a buffet lunch will also be available

### Session Two – Chair: Dr. David Alker

13:30 – 14:00 **Professor Yongyuth Yuthavong**  
National Science and Technology  
Development Agency, Bangkok  
Target based development of  
antifolates against malaria

14:00 – 14:30 **Professor Paul O'Neill**  
Liverpool University  
From candidate selection of RKA182  
to second generation synthetic  
tetraoxanes antimalarials

14:30 – 15:00 **Professor Vicky Avery**  
Griffith University, Australia  
Malarial Screening on a Global Scale:  
What is the likely Impact?

### 15:00 – 15:30 Refreshment Break

### Session Three – Chair: Professor Kelly Chibale

15:30 – 16:00 **Professor Christian Doerig**  
EPFL-INSERM, Switzerland  
Targeting the kinome: also in malaria?

16:00 – 16:30 **Dr. Arnab Chatterjee**  
Genomics Institute of the Novartis  
Research Foundation  
Discovery of novel antimalarials through  
cell-based medicinal chemistry  
optimization of HTS hits

16:30 – 17:00 **Professor Colin Fishwick**  
University of Leeds  
The use of structure-based methods in  
the discovery of anti-plasmodials

### 18:00 – 23:00 Conference Dinner

The conference dinner will be held at the Royal College of Surgeons and will include pre-dinner drinks followed by a three course dinner.

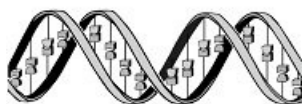
18:45 A coach will collect all dinner guests from the Melia Whitehouse Hotel

19:00 Drinks reception

19:30 3 Course dinner and dancing



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## Antimalarial Drugs: Chemistry, Development & Future Challenges

Wednesday 16<sup>th</sup> March 2011

### Session Four– Chair: Professor Donatella Taramelli

**09:00 – 10:00 Plenary Session 2 – Professor Philip Rosenthal**

**University of California, USA**

Characterization of falcipain cysteine proteases and their inhibitors

**10:00 – 10:30 Professor Kelly Chibale**

**University of Cape Town**

Setting up technology platforms in Africa to facilitate an integrated approach to antimalarial drug discovery

**10:30 – 11:00 Refreshment Break**

### Session Five– Chair: Professor Michael Lanzer

**11:00 – 11:15 Dr. Abdirahman Abdi**

**Kilifi, Kenya**

Tyrosine Kinase-like Kinases of *P. Falciparum* as the antimalarial drug target

**11:15 – 11:30 Dr. Francesc Marti**

**University of Liverpool**

Antimalarial monoxanes: Hybrid antimalarial drugs with outstanding oral activity profiles and potential dual mechanism of action

**11:30 – 11:45 Dr. Ksenija Slavic**

**Institute for Medical Research, Belgrade**

Plasmodium hexose transporter as antimalarial target

**11:45 – 12:00 Dr. Fatima Bousejra-El Garah**

**University of Toulouse**

From Artemisinin to trioxaquinones and tetraoxanes: Role of heme in the mode of action of antimalarial peroxides

**12:00 – 13:30 Lunch and Poster Session**

Posters will be presented in the Platt room and a buffet lunch will also be available

### Session Six– Chair: Professor Christian Doerig

**13:30 – 14:00 Dr. Elizabeth Winzeler**

**The Scripps Research Institute, San Diego**

Discovering the mechanism of action of novel antimalarial drug chemotypes using forward chemical genetics

**14:00 – 14:30 Professor Henri Vial**

**CNRS, University of Montpellier**

Lipids as drug targets for malaria therapy

**14:30 – 15:00 Refreshment Break**

### Session Seven– Chair: Professor Sanjeev Krishna

**15:00 – 15:30 Dr. David Fox**

**Pfizer, UK**

Modern approaches to drug discovery; an industrial chemist perspective

**15:30 – 16:30 Plenary Session 3 – Dr Tim Wells**

**Medicines for Malaria (MMV)**

New medicines to improve control and contribute to the eradication of malaria

**16:30 – 16:40 Professor Steve Ward**

**Liverpool School of Tropical Medicine**

Closing remarks