



The Society for Medicines Research

Inflammation Research: New Horizons and Translational Challenges

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5th June 2014

GlaxoSmithKline, Stevenage

Inflammation Research: New Horizons and Translational Challenges

Programme:

Inflammation is one of the most fundamental and well-studied pathological mechanisms which is part of a complex biological response of tissues to stimuli such as pathogens, irritants and damaged cells. Still, after decades of research in both academia and industry there remains a high unmet need for effective anti-inflammatory therapies in a number of diseases. In addition, recent studies have highlighted that in a variety of chronic indications inflammation is not just a mere bystander but an integral part of pathology that is likely to contribute to disease progression and fatality.

One of the major challenges in drug discovery is to harness the available data and generate approaches that have promise to translate from bench to bedside. This meeting will bring together a number of key opinion leaders from both industry and academia to outline the current thinking about inflammatory processes and how they may be tackled to bring benefit to patients. The meeting will be of great interest to anyone involved in inflammation research, or has an interest in new opportunities in drug discovery.

- 09.00 **Arrival, Registration and Coffee**
- 10.00 **Welcome and Announcements**
- 10.05 **Session 1 : The role of inflammation in the brain :**
Chair Dr Julie Holder
Mining the immune response in remyelination as a source of potential targets for drug discovery in MS
Professor Charles ffrench-Constant, *Centre for Regenerative Medicine, Edinburgh, UK*
- 11.05 The role of Inflammation in Traumatic Brain Injury (full title TBC)
Professor David Sharp, *Department of Medicine, Imperial College, London, UK*
- 12.00 **Lunch**

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- 13.00 **Session 2 :Translational challenges:**
Chair Dr Peter Weber
The impact of systemic inflammation on the healthy and diseased brain
Professor Hugh Perry, *Southampton, UK*
- 13.45 Systemic inflammation in Alzheimer's Disease: clinical aspects
Professor Clive Holmes, *Southampton, UK*
- 14.30 Targets in Inflammatory Bowel Disease
Dr Satish Keshav, *Oxford, UK*
- 15:15 Tea
- 15.45 **Session 3 : Role of inflammation in RA:**
Chair Dr Kate Brown
Epigenetics in rheumatoid arthritis and beyond
Dr. Gina Montoya, *BASF, Germany*
- 16.15 Applications of Quantitative Systems Pharmacology Modelling to Support Inflammatory Disease Research
Dr Katherine Kudrycki, *Rosa, US*
- 17.00 **Concluding remarks and close of meeting**

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The SMR is a multi-disciplinary society for all those engaged in drug research and development and this broad remit is reflected in the composition of the committee and the range of topics covered by our high-quality one-day meetings.

In line with the SMR's educational charter, the membership subscription of the SMR is deliberately low at £25* (Sterling) per annum (UK tax payers can claim relief on the payment). Members can attend the one-day meetings at substantially reduced rate and receive the SMR Newsletter which is published twice yearly.

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 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.

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