



Introduction to Epigenetic Drug Discovery

Wednesday 28 March 2012

The Nucleus, Chesterford Research Park, Cambridge, UK

Organised by SCI's Young Chemists' Panel



Programme

- 09.30** Registration and refreshments
- 10.00** Introduction and welcome
- 10.05** **Beyond DNA: an introduction to epigenetics**
Dr Karl Nightingale, University of Birmingham, UK
- 10.40** **Epigenetics therapies: today oncology, tomorrow the world**
Dr Rachel Grimley, Neusentis, UK
- 11.15** **Is oxygen an epigenetic regulator?**
Prof Christopher Schofield, University of Oxford, UK
- 11.50** **Epigenetic regulators involved in cancer**
Dr Mark Dawson, Cambridge Institute for Medical Research, UK
- 12.25** Lunch
- 13.30** **Chemoproteomic approach to epigenetic drug targets**
Dr Gerard Joberty, Cellzome, Germany
- 14.05** **Chemical probes for epigenetics**
Dr Mark Bunnage, Pfizer, UKK
- 14.40** Refreshments
- 15.15** **Profound and selective epigenetic modulation of the immune system using inhibitors of the BET bromodomain containing complexes**
Dr Rab Prinjha, GSK, UK
- 15.50** **Does chromatin modification offer a superior approach to the treatment of chronic diseases?**
Dr Chas Bountra, SGC, UK
- 16.25** Question and answer session
- 16.45** Closing remarks

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Synopsis

Epigenetics is a rapidly expanding area of research whose importance for the generation of novel therapeutics is becoming increasingly apparent.

This is the first meeting organised by SCI's Young Chemists' Panel covering this emerging area of drug discovery. The aim of the day is to provide participants with a fundamental understanding of Epigenetics and how it relates to Drug Discovery, from an introduction to the underpinning biology and the discovery of novel therapeutic targets to the development of chemical probes and small molecule inhibitors. The day will comprise of a series of lectures from some of the leading names in Epigenetic research from both UK academia and industry. The day will close with a question and answer session which all of the speakers will be involved in.

Attendees

The meeting is aimed at those studying for a postgraduate degree in the area of medicinal chemistry or working in pharmaceutical or biotechnology industries, in particular those wishing to gain a greater understanding of the fundamental aspects of this emerging area of drug discovery. A booklet will be provided to all participants containing the abstracts and the literature references.

5% discount applies to this conference by booking online at www.soci.org/events

Organisers

Kathryn Oliver, Cellzome Ltd
Ben Whittaker, Biofocus
Nicolas Dreyfus, Lilly
Ben Buckley, Loughborough University

Information on SCI

SCI is an international, independent charity whose remit is to promote the application of science for the benefit of society.

SCI is the publisher of many well respected journals and industry leader Chemistry & Industry magazine (C&I). SCI can offer a network of contacts spanning education, science and business, an in-depth knowledge of chemical related industries together with a rolling programme of conferences, awards and scholarships to help further knowledge and support those involved in the sector no matter what stage of their careers.

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Introduction to Epigenetic Drug Discovery

28 March 2012 @ The Nucleus, Cambridge, UK

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