



Drug Discovery 2018

ExCeL, London
9TH – 10TH October 2018

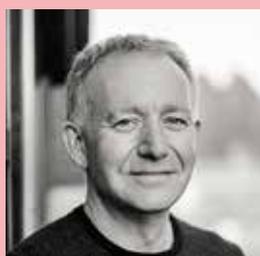
Innovations in biochemical and biophysical hit finding techniques: Wednesday 10TH October

Session Chairs: Geoff Holdgate (AstraZeneca) & Andrew Scott (Concept Life Sciences)

The identification and validation of hits resulting from screening campaigns are critical parts of the development of small molecule drugs. Traditionally, hit-finding employed high throughput biochemical assays to screen small molecule libraries with a very large number of chemical entities. Recently we have seen a change in culture in early hit identification to include alternative screening paradigms such as fragment screening, focussed screening and iterative screening. This has been coupled with the improvement in speed and automation of a number of biophysical techniques that can directly detect the interactions between small molecules and their target proteins. Of course, the application of biophysical methods to demonstrate direct target engagement increases confidence in hits and drives their progression to lead optimisation.

However, the change in screening culture has not stopped there, increasingly more detailed mechanistic information is sought earlier in the drug discovery process and understanding the kinetics and mode of action, as well as the traditional thermodynamic parameters, in both a biochemical and a biophysical setting is viewed as important in identifying the most promising hits leading to differentiated lead series. This session will provide an overview and update of the developing methods that can be employed to gain this more detailed insight which ultimately allows identification of the best hits.

Plenary Keynote Speaker



Jonathan Milner
(Meltwind)

Confirmed Speakers

Stuart McElroy (University of Dundee)
James Murray (Vernalis)
Martin Redhead (UCB)
Helena Lindmark (AstraZeneca)
Steve Anderton (Aquila Biomedical)
Scott Pollack (Sygnature Discovery)

Call for Posters

For an opportunity to present your research in one of our poster spotlight sessions, submit your abstract by **17TH August 2018**.

The deadline for general poster abstract submission is **5TH October 2018**.

Sponsorship & Exhibition

For further information on sponsorship & exhibition opportunities, including multi-show discounts, please e-mail ELRIG General Manager: Sanj Kumar
sanj.kumar@elrig.org

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