

# Fragment-based lead discovery

## An introduction to the methods and applications



**A one day workshop that will provide an overview of current practise in fragment-based discovery methods. The day is designed to provide those new to the discipline with an introduction to the ideas and methods.**

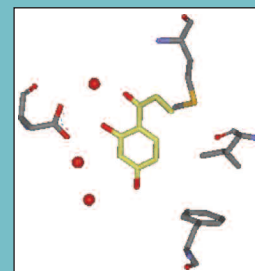
Over the past ten years, there has been increasing interest in fragment-based methods for drug and ligand discovery. The central premise is that a small library of compounds can sample a potentially huge chemical diversity. The structure of hit fragments binding to an active site can then guide the optimisation of these hits into potent inhibitors or drug candidates. This one day workshop will introduce the ideas and experimental strategies in fragment-based discovery. It will be suitable for those interested in using the methods to find hit compounds as a starting point for drug discovery and to discover new tools for chemical biology.



### Course content

The course will cover the topics:

- Why are fragments important?
- What are fragments?
- Experimental approaches to detecting fragment binding
- Fragment library design
- Strategies for using fragments to design new ligands
- Examples of successful use of fragments in ligand discovery



### Dates and location

20 September 2009 at the University of York

### Course tutors

The workshop will be led by Professor Rod Hubbard who will be joined by other leading practitioners in fragment-based discovery. These include James Murray (Vernalis) and Dan Erlanson (Carnot Therapeutics).

### Course sponsors

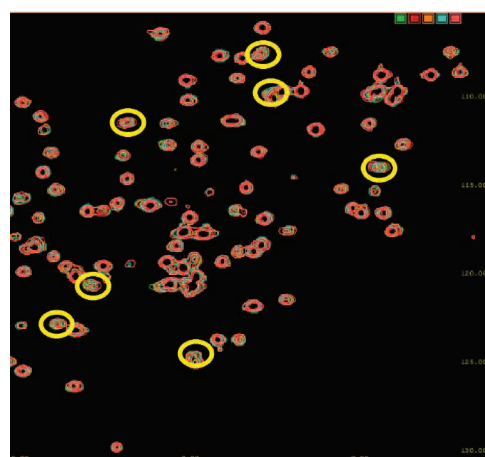
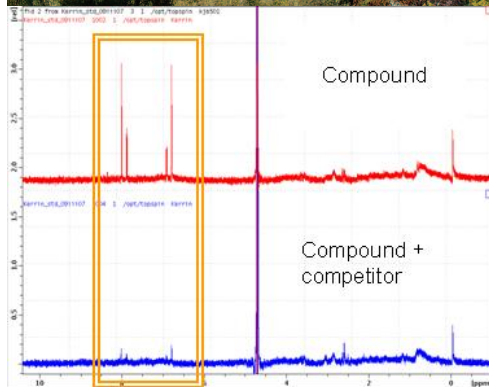
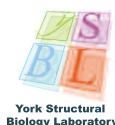
Development of this course has partly been funded by the Modular Training for Industry Initiative of the BBSRC

For more information and application forms:

<http://www.fblD2009.com>  
and click on **Workshop**

or call: +44(0) 1904 328259

or email: [fblD2009@ysbl.york.ac.uk](mailto:fblD2009@ysbl.york.ac.uk)



This workshop precedes a major scientific conference at York – FBLD2009.

For more details visit the web site <http://www.fblD2009.com>

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