



Unique Industrial Protein Crystallography service launched

Drug discovery is huge business. It also has massive benefits to mankind. The Synchrotron Radiation Source (SRS) at Daresbury Laboratory, through CLIK, are now offering a new industry focused commercial service to aid drug discovery with an expected turnaround time of 48 hours!

The Technique:

Pharmaceutical companies use protein crystallography at the early stages of the drug development process to understand the structure of their targets, any potential drugs and how they interact with each other.

A powerful synchrotron X-ray source is invaluable as it provides the capability to process samples much faster and at a better resolution than laboratory sources. The economic benefits for commercial research programmes are significant as samples are processed quickly and efficiently, reducing the risks of costly delays during the drug development process.

New development:

In March 2007, recognising the potential of synchrotron radiation, CLIK, the Science and Technology Facilities Council's Technology Transfer Department, took control of one of the dedicated protein crystallography beamlines at the world renowned Daresbury SRS, creating one of the first 100% industry-dedicated synchrotron stations in the world. As a result, the station will now remain open until December 2008 enabling companies to utilize the synchrotron within 48 hours after the first contact.

Realising that flexibility is a major attraction, CLIK offers courier services, the preferred method for many companies, through which samples are shipped in and world-class experts perform the desired experiments on behalf of the customer. Alternatively, if preferred, research and development teams may conduct experiments themselves, with expert assistance from an onsite support team.

Advantages:

- Booking of beamtime within 48 hours of first contact;
- Dedicated staff to run samples, and do initial data processing;
- 48 hour turnaround from sample delivery to data transfer to customer*;

For more details, please contact CLIK Technical Sales:
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*During SRS maintenance periods turnaround will be longer and dependent on next available beam.