



*Automated Protein  
Crystallography*

## **Faster structure determination and expert small molecule screening**

ALPX is an EMBL spin-off providing structural biology services to accelerate drug discovery.

Our fully automated protein-to-structure pipelines are based on unique technologies:

**CrystalDirect™** and **CRIMS**.

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## CrystalDirect™:

### Taking crystallography to the next level through automation

> A fully automated technology for processing and harvesting of crystals, based on laser-induced photoablation.

## CRIMS:

### The crystallographic information management system

> An interactive online software suite that tracks experiments and results, and makes them available to scientists in real-time through intuitive interfaces.



#### Online Crystallography

Establishing new crystal systems for challenging targets. Be in control of crystallization experiments, always!



#### Ultra-fast compound structural analysis

Parallel screening of compounds to support MedChem and structure-based drug design. Rounds of screening with very fast turnover.



#### Automated fragment screening

High-throughput, state-of-the-art fragment screening, covering a highly diverse chemical space – libraries provided by the client or ALPX.



#### Membrane protein crystallization

Full support for membrane protein structure solution through LCP crystallization in CrystalDirect plates, soaking, and in situ RT and serial data collection.



#### Data collection and structure solution

X-ray data collection of crystals at multiple synchrotrons and structure solution of biomolecules, including ligand and binding site refinement.