The changing role of in-house crystallography

V. Smith, S. Freisz, M. Benning

Bruker AXS GmbH; Karlsruhe, Germany

vernon.smith@bruker.com

Continuing technical advances at synchrotron beamlines and the rise of XFELs is enabling structural biologists to tackle ever more challenging questions and has brought about major changes in the crystallisation-crystallography-structure-biology workflow.

This has led to a change in perception toward the usefulness of classical in-house crystallography and driven major technological advances required to provide in-house crystallographic facilities that are relevant to the modern experiment.

This talk will review how the development of techniques such as microcrystallography, serial crystallography and in situ crystallography at beamlines has been initiated development of new technologies for in house crystallography systems and discuss how the role of in-house crystallography has changed over recent years.