Detailed investigation of multidimensional serial crystallography

We are developing methods for serial crystallography at synchrotrons and XFELs to investigate structure and dynamics of biological macromolecules. Here we focus on temperature and pH-control to combine with mixand-diffuse triggering of biochemical reactions for multidimensional crystallography (temperature-, pH- and time-resolved). You would be working with us for detailed investigations of the mix-and-diffuse and temperature control properties of our instrumentation with the goal to optimize it for more accurate measurements.

Field

A4: Development of experimental techniques (methodology oriented)

DESY Place

Hamburg

DESY Division

FS

DESY Group

FS-CFEL-1

Special Qualifications:

Experience in one ore more fields of the following: crystallography, biophysics, microscopy, fluid dynamics.

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