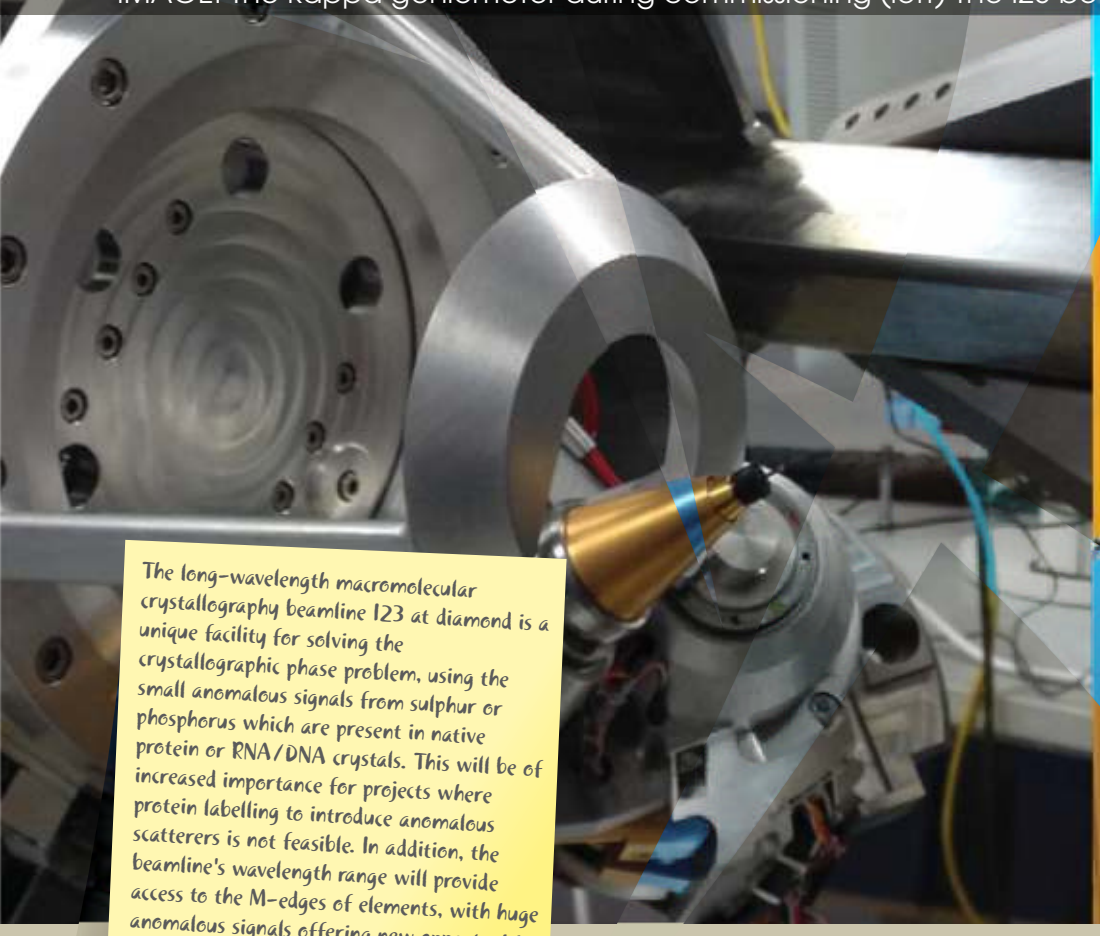
Seminar on

Macromolecular Crystallography
& I23 Beamline at Diamond Light Source

سمینار آموزشی

بلورنگاری درشت‌مولکول‌ها
و معرفی خط باریکه I23 در چشمه نور دایاموند

IMAGE: The kappa goniometer during commissioning (left) The I23 beamline is equipped with a large curved Pilatus 12M area detector (right).



The long-wavelength macromolecular crystallography beamline I23 at diamond is a unique facility for solving the crystallographic phase problem, using the small anomalous signals from sulphur or phosphorus which are present in native protein or RNA/DNA crystals. This will be of increased importance for projects where protein labelling to introduce anomalous scatterers is not feasible. In addition, the beamline's wavelength range will provide access to the M-edges of elements, with huge anomalous signals offering new opportunities for phasing large molecular complexes

LECTURER

ARMIN WAGNER

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Armin Wagner is the I23 Principal Beamline Scientist. He joined Diamond in 2005 from the Swiss Light Source where he had worked as a Post-Doc at the MX beamlines. His research is focused on developments specific to I23, in order to realize its potential as the first in-vacuum MX beamline for long-wavelength crystallography

TOPICS

- Introduction to Macromolecular Crystallography
- Macromolecular Crystallography at I23 Beamline in Diamond Light Source

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تهران - ابتدای بزرگراه ارتش - پژوهشگاه دانش‌های بنیادی

Registration & More Info:

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