



First Science at the ABBIX Beamlines:

Structural Biology at a New Frontier

April 21-22, 2015

Brookhaven National Laboratory, Upton, NY 11973

The NSLS-II will be home to three state-of-the-art beamlines for macromolecular crystallography and life science applications of x-ray scattering.

The purpose of the First Science at the ABBIX Beamlines meeting is to explore and discuss scientific areas and opportunities on which early operation of the beamlines could capitalize.

These three beamlines comprise the ABBIX (Advanced Beamlines for Biological Investigations with X-rays) Project, sponsored by the NIH, and are currently under construction at NSLS-II:

- The Frontier Macromolecular Crystallography (FMX) Beamline is optimized to address microbeam applications.
- The Highly Automated Macromolecular Crystallography (AMX) Beamline is optimized for highly automated throughput.
- The High Brightness X-ray Scattering for Life Sciences (LIX) Beamline will offer multiple modes of study using x-ray scattering.

Construction will conclude by the end of 2015 and then commissioning will start. During the commissioning period, there will be opportunities to perform early experiments before the general user programs of the beamlines commence in 2016.

Plenary Session:

- Scientific research that the ABBIX beamlines will address
- Facility updates on scientific capabilities at ABBIX beamlines
- Update on the Life Science and Biomedical Technology Research Resource (LSBR)

Parallel Sessions:

- Two parallel sessions focusing on macromolecular crystallography and x-ray scattering
- Selected presentations from meeting participants

Confirmed Speakers:

Karen Allen (Boston Univ)
Martin Caffrey (Trinity College Dublin)
Richard Gillilan (Cornell Univ)
Wayne Hendrickson (Columbia Univ)
André Hoelz (California Inst Tech)
Shenping Liu (Pfizer)

Lee Makowski (Northeastern Univ)
David Ostrov (Univ of Florida)
Anna Marie Pyle (Yale Univ)
Christian Riek (ESRF)
Thomas Schneider (EMBL-Hamburg)
John Tainer (Scripps Research Inst)

For meeting information and registration please visit:

<http://workshops.ps.bnl.gov/?w=ABBIXApr2015>

For questions, contact Sonya Kiss, at skiss@bnl.gov.

Registration deadline is Tuesday, April 14, 2015

Organizers:

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ABBIX Project Manager

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Structural Biology Program Manager

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