

Call for Beamtime Application Proposal 2021 for the Synchrotron Radiation Beamline for Macromolecular Assemblies (SPring-8 BL44XU)

Institute for Protein Research is now accepting non-proprietary proposals for 2021 using the Beamline for Macromolecular Assemblies (SPring-8 BL44XU) operated by IPR.

1. Beamline for Macromolecular Assemblies (SPring-8 BL44XU)

This beamline (BL44XU) is specially designed for data collection of biological macromolecule assembly crystals, such as protein complexes, protein-nucleic acid complexes, and viruses. It uses an undulator as a light source.

Detail of the beamline is shown in the web site.

(<http://www.protein.osaka-u.ac.jp/rcsf/supracryst/en/research/beamline/>)

2. Requirements of the Applicants

Researchers who belong to academic organizations. The proposal must be non-proprietary.

3. Valid Term of the Application

1 year. From April 1, 2021 to March 31, 2022.

4. How to Apply

Required documents: Application Form (Original)

* Application Form and This Guidelines for applicants (this document) can be downloaded from the web site.

(<http://www.protein.osaka-u.ac.jp/joint>)

Deadline for Proposal Submission: December 1, 2020 (Tue.)

Send to: Project Team of Joint Usage / Research Center,
Institute for Protein Research, Osaka University
3-2 Yamadaoka, Suita, Osaka 565-0871
Japan
TEL:+81-6-6879-4323 / FAX+81-6-6879-8590

5. Proposal Review

The proposal will be reviewed by the Panel on Joint Usage/Research, and the decision will be informed to the applicant in the early March, 2021.

6. Beamtime Usage Reports

Users are required to submit an Experiment Summary Report online within 60 days after the end of each half-year research term. Publish your research in a refereed journal or equivalent (refereed proceedings dissertation, etc.) and register the publications with the Publications Database within three years after the end of the research term. It will be requested to include the sentence which shows the usage of the beamline in the publication, and send the reprint to Institute for Protein Research.

e.g. This work was performed using a synchrotron beamline BL44XU at SPring-8 under the Collaborative Research Program of Institute for Protein Research, Osaka University. Diffraction data were collected at the Osaka University beamline BL44XU at SPring-8 (Harima, Japan) (Proposal No. 2020AXXXX, 2020BXXXX, and 2021AXXXX).

7. Miscellaneous

1. The applications on the X-ray crystallography of large biological macromolecular assemblies are welcome. Preliminary crystallographic experiments are not necessary to be done when you submit the proposal, but we strongly recommend to begin, at least, sample preparation.
2. If you want to apply the Beamtime after the deadline, we will accept the application as the Urgent Proposal. Please contact the address below.

8. Contact

Professor Atsushi Nakagawa, Institute for Protein Research, Osaka University
Phone: +81-6-6879-8635 Fax: +81-6-6879-4313 e-mail: bladmin@protein.osaka-u.ac.jp