

Protein Data Bank Japan (PDBj) Advisory Committee (PDBj-AC)
Report of 5th Feb 2019 Meeting

**Location: Meeting Room M (Osaka), Institute for Protein Research (IPR), Osaka University, Osaka,
and
Multi-purpose Room #1 (Tokyo), Osaka University Tokyo Office, Tokyo, Japan**

In Attendance

(Osaka)

PDBj members:

Prof. Genji Kurisu (Chair, IPR)

Prof. Toshimichi Fujiwara (IPR)

Committee members:

Prof. Tsuyoshi Inoue (Faculty of Pharmaceutical Sciences, Osaka University)

Prof. Daisuke Kohda (Medical Institute of Bioregulation, Kyushu University)

Dr. Masaki Yamamoto (SPRING-8, RIKEN)

(Tokyo through Polycom Video Conferencing System)

Committee members:

Prof. Kei Yura (Graduate School of Humanities and Science, Ochanomizu University)

Dr. Midori Kamimura (Teijin Pharma Ltd.)

Others:

Dr. Hiroko Tatezawa (JST-NBDC)

Dr. Toshiyuki Shingo (JST-NBDC)

Dr. Hideki Hatanaka (JST-NBDC)

Apology

Prof. Toshiya Senda (Photon Factory, KEK)

The meeting commenced at 1:30 pm. The advisory committee members of PDBj (PDBj-AC) met with PDBj leadership and staff, at the Institute for Protein Research (IPR), Osaka University and the Osaka University Tokyo Office through Polycom Video conferencing System. This was the first time to use Video Conference System, which was requested by the committee members last year. Three people from the main founding agency to PDBj, JST-NBDC, attended the meeting. Genji Kurisu welcomed all to the meeting and addressed the role of the PDBj-AC meeting in the beginning.

1. Current PDBj program

- The PDBj has been funded by the Database Integration Coordination Program from JST (Japan Science and Technology Agency) – NBDC (National Bioscience Database Center) for five years from April 2017 – March 2022 and the BINDS program (Basis for Supporting Innovative Drug Discovery and Life Science Research) from AMED (Japan Agency for Medical Research and Development) from April 2017 – March 2022. The other additional costs are paid from the University budget for IPR as the Joint-usage activity financially supported by the Ministry of Education, Culture, Sports, Science and Technology.
- The Data-in activity of PDBj was reported with the statistics in the Asian countries: Japan, China, India, Korea and others. Prof. Kei Yura pointed out that a big proportion of the EMDB deposition from China

which should be reported to AMED-BINDS office to be considered the national policy of founding to the Japanese Cryo-EM community. Prof. Tsuyoshi Inoue accepted his suggestion and promised to proceed in the Program Officer meeting of AMED-BINDS.

- Current situation of Data-out services in PDBj and PDBj-BMRB was reported.
- Development of RDF format of validation reports was reported. Prof. Kei Yura congratulate the successful transformation of validation report from PDF to RDF. However, the SPARQL query language for RDF is not so easy for the beginners, then he recommended to have a training course for its more common usage. PDBj accepted his suggestion and will make a plant to implement the training course.
- Developed tools for NMR analysis based on the BMRB was reported.
- Establishment of the MoU regarding EMPIAR database between IPR, Osaka university, and EMBL-EBI was reported and the start of EMPIAR-PDBj mirror site was announced.
- New member of PDBj was introduced and the resource allocation result of 2018 was reported.
- Business meeting, outreach activities, the training course of PDBj and the workshops held in 2018 were reported.
- The wwPDB AC meeting held on 2th November 2018, at Cambridge, UK, was reported. Two representatives from PDBj, Profs. Tsuyoshi Inoue and Masaki Yamamoto, attended this meeting. Next wwPDB AC meeting will be hosted by PDBj at IPR on 18th October, 2019.

2. Discussion about the activity plan for 2019 of PDBj

- The current plan of wwPDB Data-in projects for 2019 was reported. It was announced that Dr. Masashi Yokochi will join the wwPDB OneDep development team from 2019.
- The current plan of the PDBj's Data-out activity for 2019 which included the bilateral collaboration with the Cambridge Crystallographic Data Centre was reported. Dr. Midori Kamimura strongly supported this collaboration plan.
- Our activity as the CCDC's National Affiliated Center in Japan was reported. Our new plan of the NAC activity from 2019 was proposed and approved. Dr. Midori Kamimura asked the collaboration plan with CCDC and Genji explained that included sharing the viewer, Molmil, from PDBj and the 2D sketcher from CCDC.
- To keep enough FTE for annotators, processing more deposited data from Asia. A current situation of possibility for founding PDB in China or PDB in India was discussed.
- To contribute the Data-out activities, especially for EMPIAR-PDBj, an open position for this activity was announced.
- Dr. Masaki Yamamoto made a comment that most of the PDBj users rarely use PDBx/mmCIF, but still use the conventional PDB format files. He asked the current status of mmCIF editor developed by PDBj and encouraged its development.
- A difficulty to recruit a new PDBj biocurator was discussed. Genji told that it was a common problem in the wwPDB. A possibility to open an outstation of PDBj in the Protein Research Foundation, Mino, Osaka, was discussed.

- Prof. Tsuyoshi Inoue will attend the next wwPDB AC meeting as a co-chair and Profs. Masaki Yamamoto and Daisuke Koda will attend the representatives from PDBj, which will be held at PDBj on 18th October 2019.

3. A new term of the committee member.

Dr. Midori Kamimura's first term as a PDBj-AC member will end on March 2019. Genji asked one year extension and Midori Kamimura accepted.