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The 10th International Symposium for Drug Discovery and Medical Care



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Outline and the progress of the Matching Program for Innovations in Future Drug Discovery and Medical Care

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Formation of the Matching Program for Innovations in Future Drug Discovery and Medical Care

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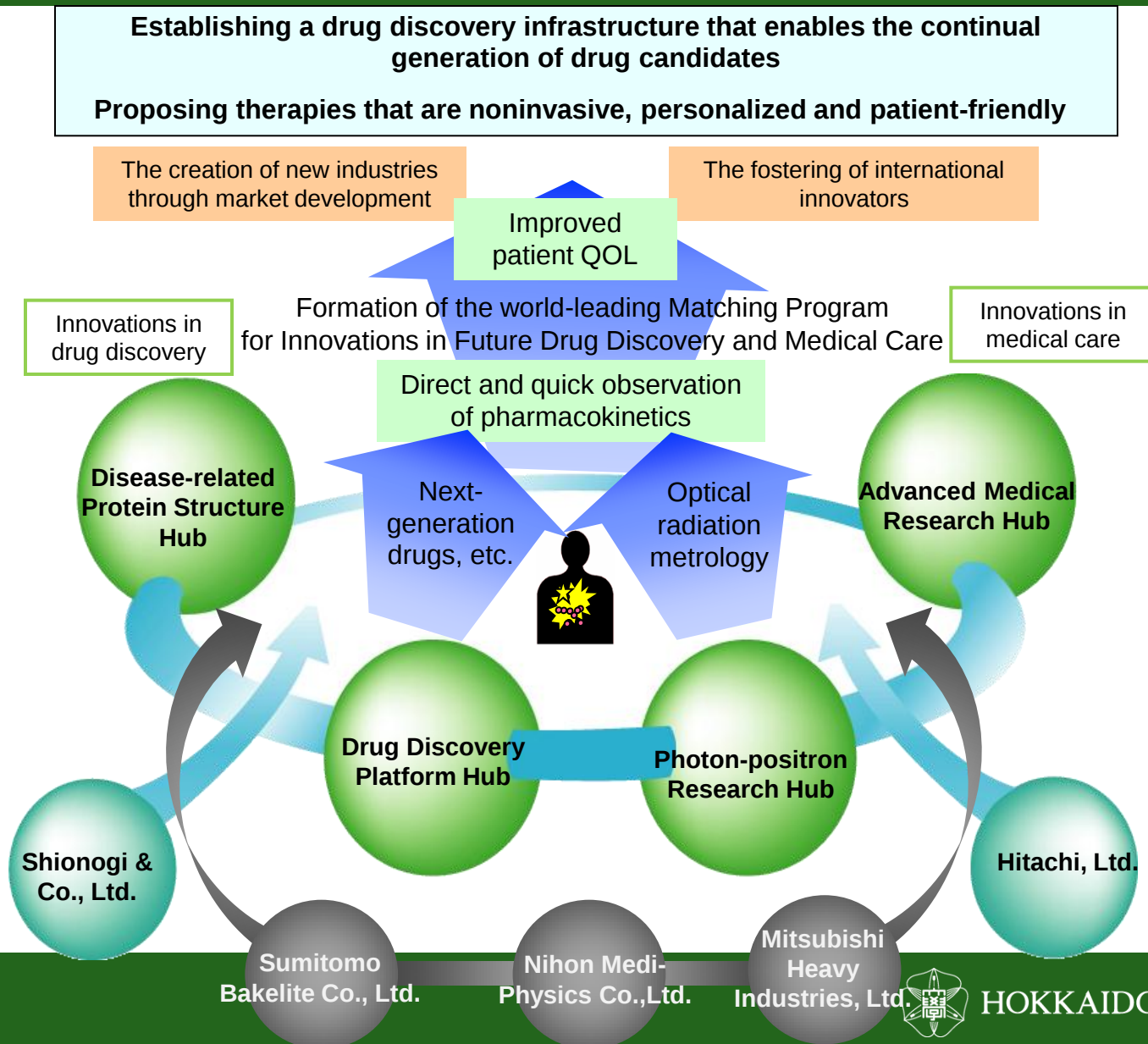
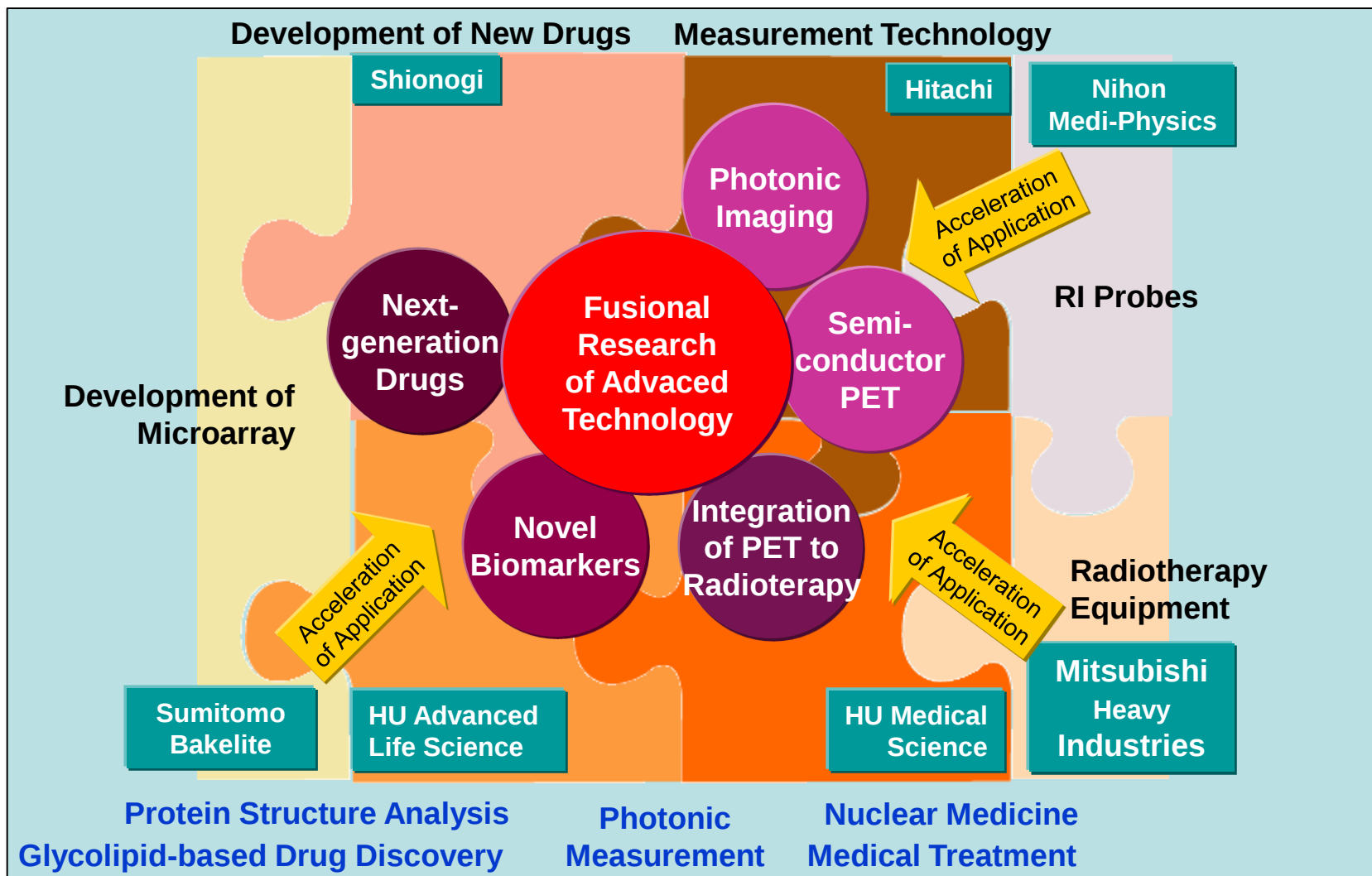
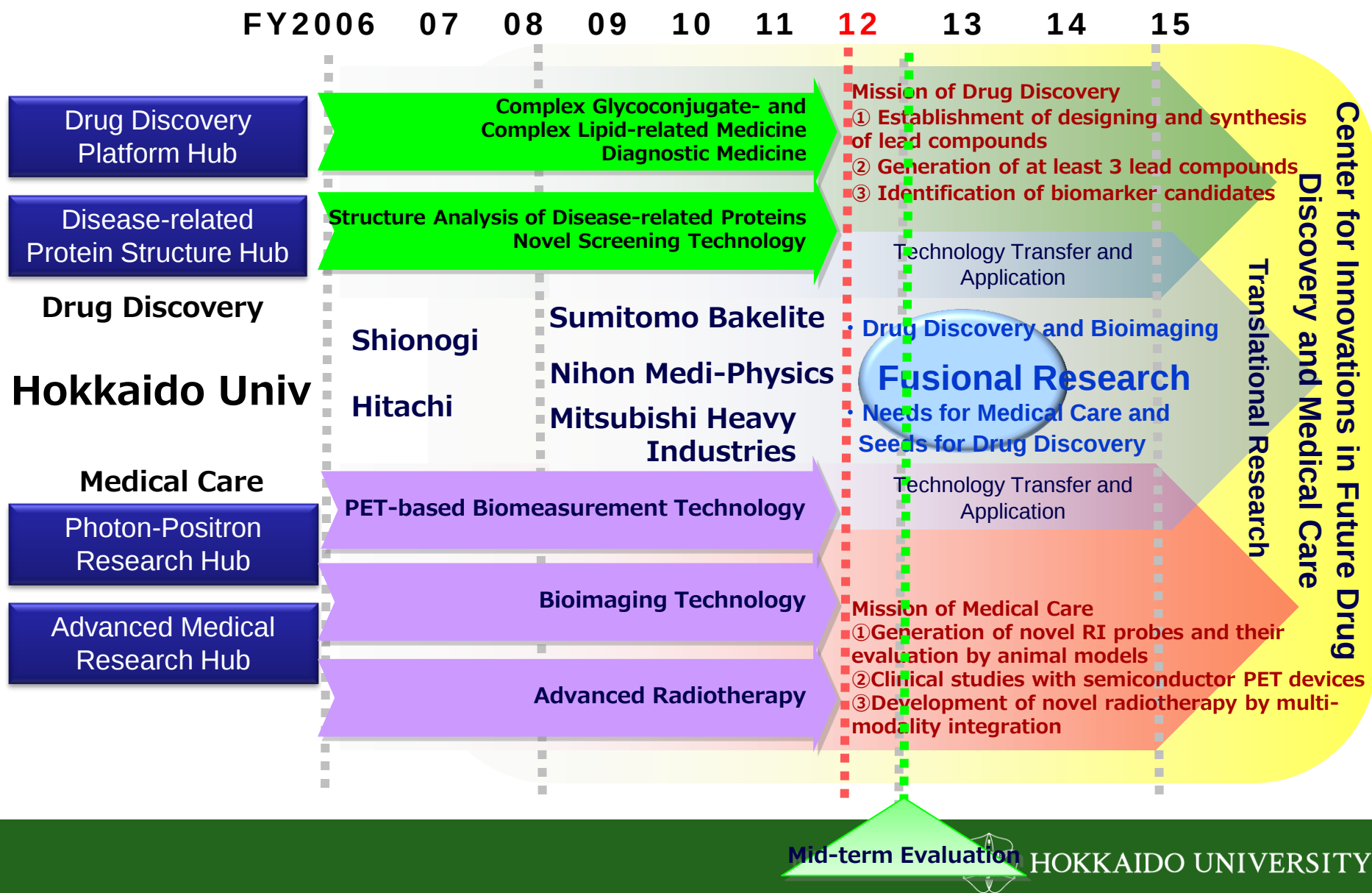


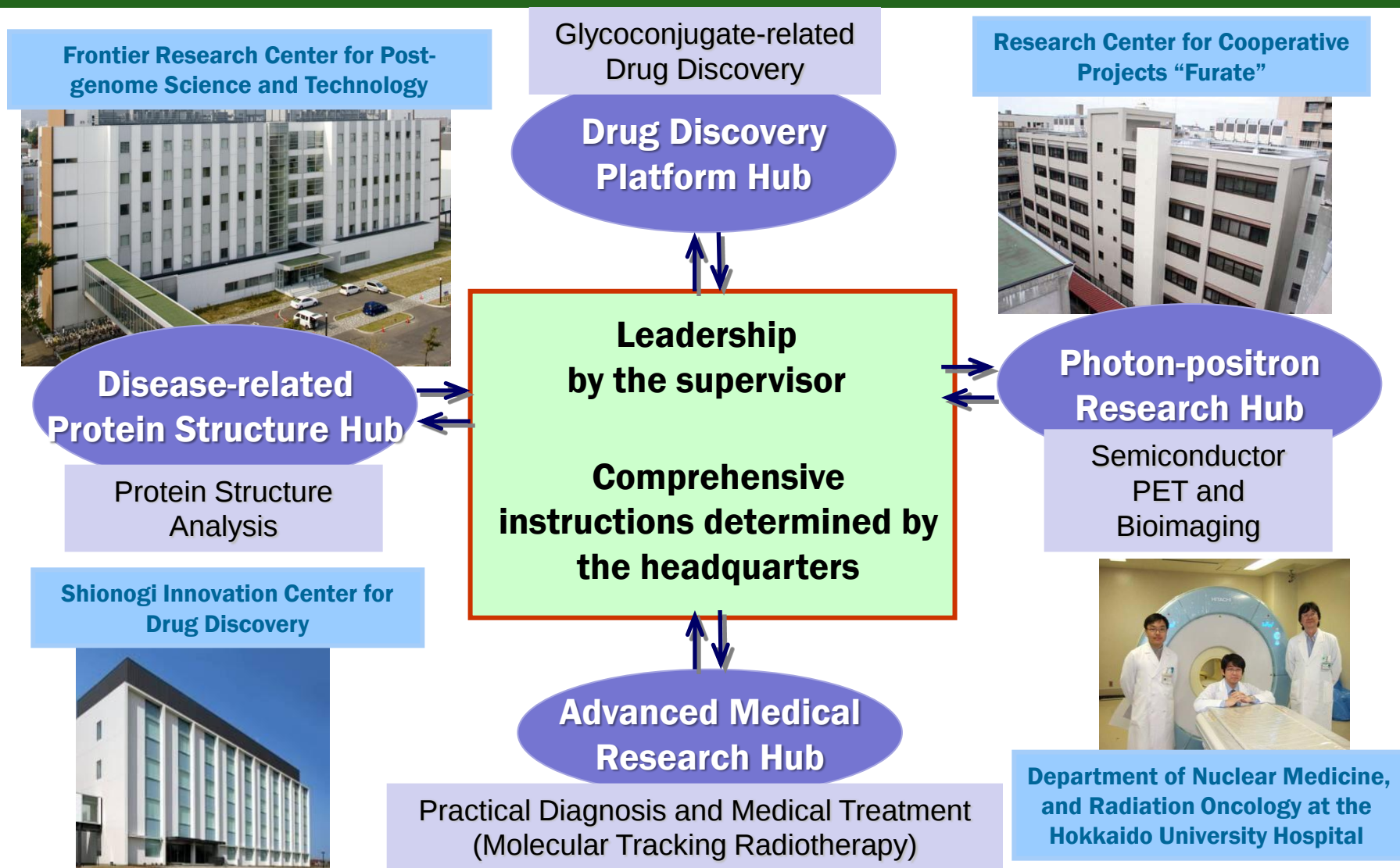
Image for Whole Collaborations of the Project



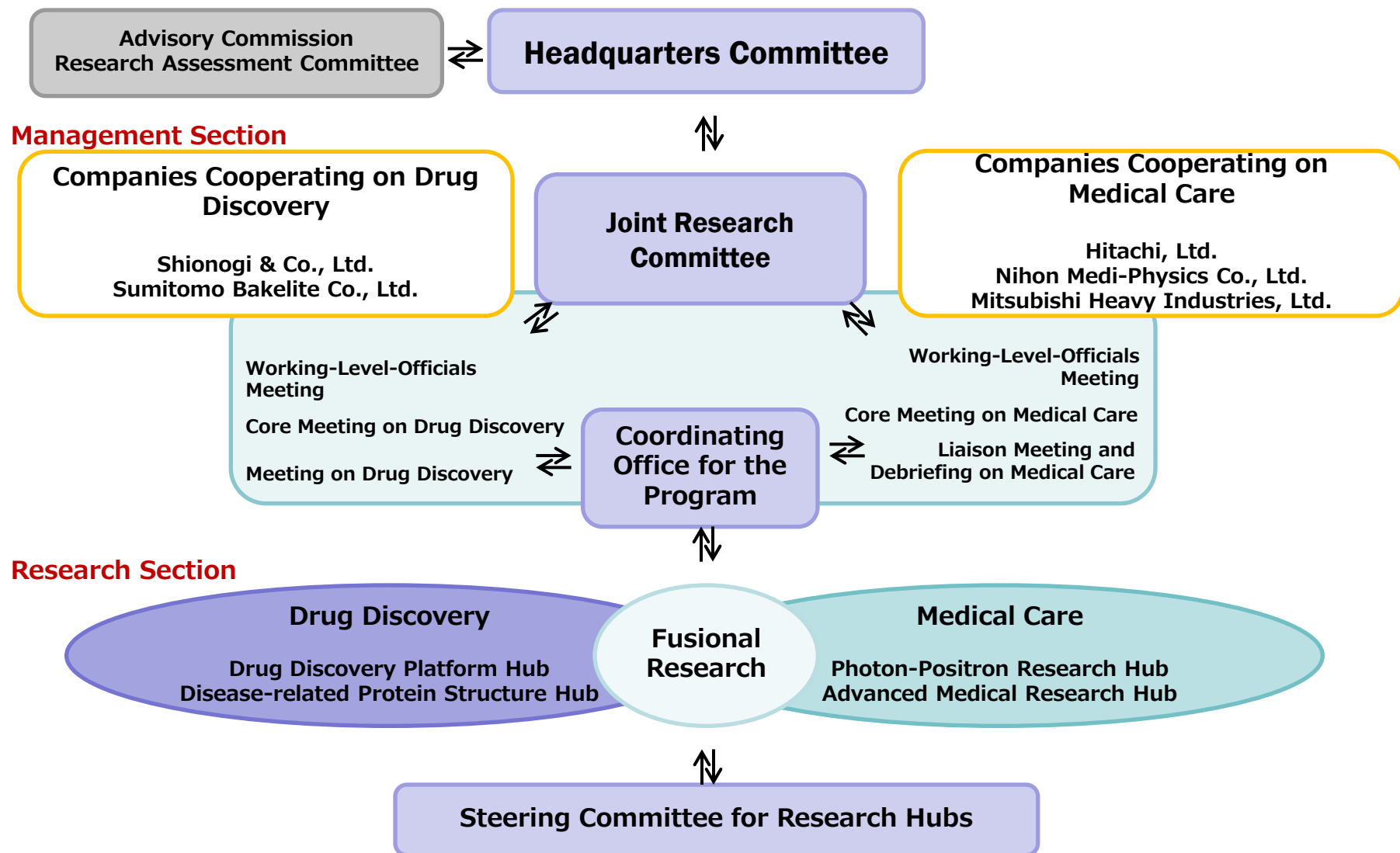
Progress and Promotion of the Project



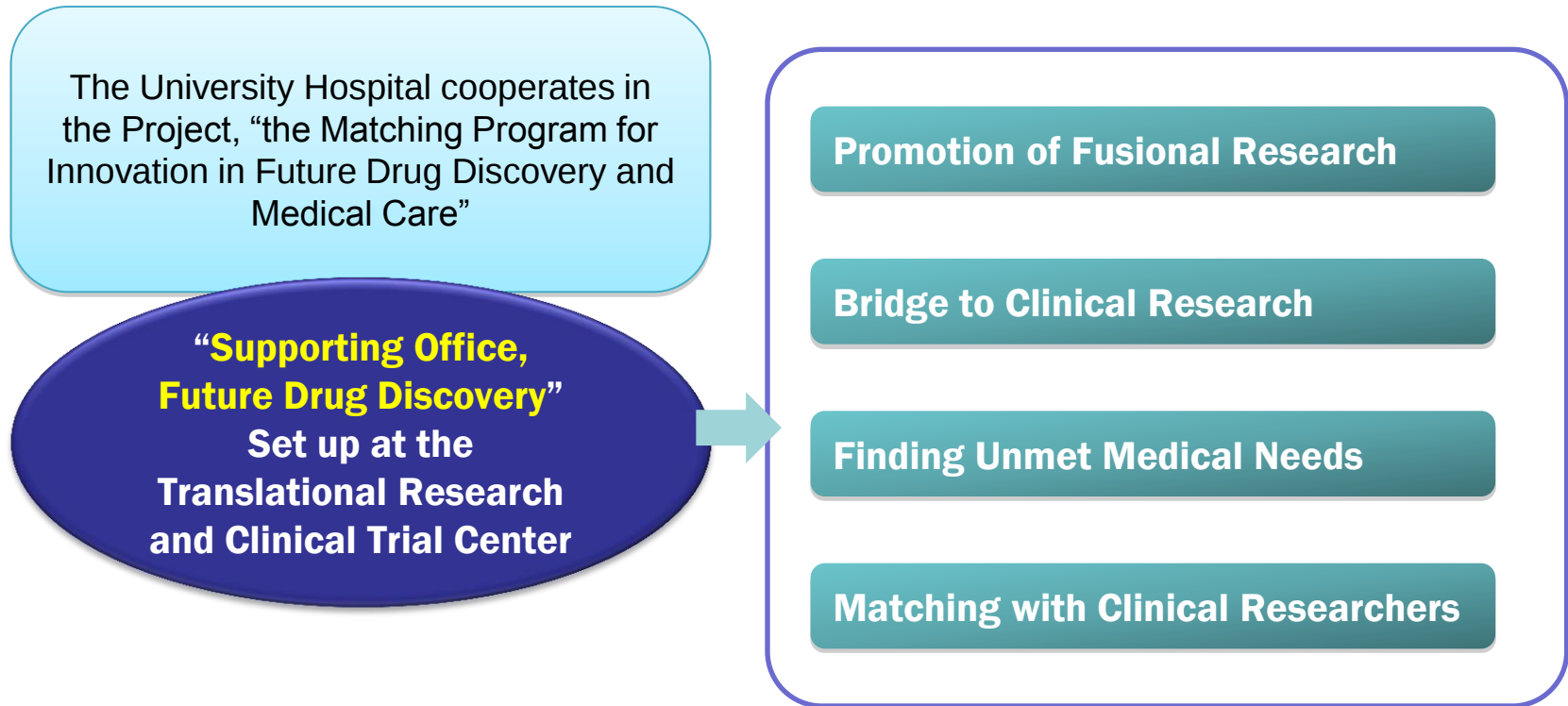
System of the Center for the Project



Comprehensive Instructions Determined by the Headquarters



Cooperation with the Supporting Office at the University Hospital

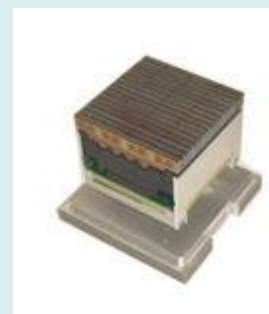
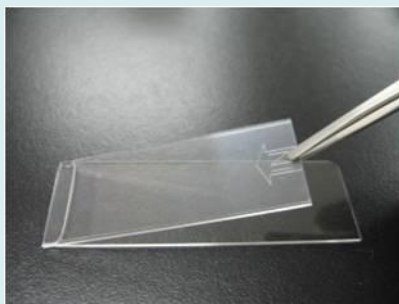


Ripple Effects

- A spin-off venture company Ezose Science, Inc., was established by Sumitomo Bakelite Co., Ltd., and Shionogi & Co., Ltd. (Mar. 2009)
- Advanced Radiation Therapy Project “Real-time Tumor-tracking with Molecular Imaging Technique” of FIRST Program has been launched. (Mar, 2010)
- Two cooperating companies have succeeded in utilizing project results for production on a commercial basis. (Sumitomo Bakelite Co., Ltd. Sep. 2011, an affiliate of Hitachi, Ltd. Nov. 2011)
- The Center for Promotion of Platform for Research on Biofunctional Molecules, a place of collaboration between researchers from the university and those from companies, has been launched.



Microarray with immobilized glycans



Semiconductor sensor module for radiation detector

Systemic Reforms

《 System for Promoting Cooperation with Companies 》

- Intramural collaboration spaces have been secured, e.g. the Shionogi Innovation Center for Drug Discovery of Hitachi, Ltd., on the premises of the university hospital, and an office of the Molecular Imaging Division of Hitachi, Ltd., on the premises of the university hospital, and an office of the Molecular Imaging Division of Hitachi, Ltd., on the premises of the university hospital.
- The Frontier Research Center for Post-genome Science and Technology, and the Research Center for Projects “Furate” of the Graduate School of Medicine have been established.
- The Coordinating Office for Future Drug Discovery and Medical Care Innovation has been established.

《 Human Resources Development 》

- Opportunities for young researchers from the private sector to learn at graduate school have been secured, e.g. the Shionogi Innovation Center for Drug Discovery of Hitachi, Ltd., on the premises of the university hospital, and an office of the Molecular Imaging Division of Hitachi, Ltd., on the premises of the university hospital, and an office of the Molecular Imaging Division of Hitachi, Ltd., on the premises of the university hospital.
- Personnel exchange has been promoted, e.g. researchers of companies were specially appointed professor of the university.
- Annual contracts were concluded for the specially appointed lecturers and department program.
- Hokkaido University has established Front Office for Human Resource Education and human resources development via Station for Senior Researchers Development and Researchers.
- International symposia have been held every year by inviting world-class leaders.
- Researchers from the cooperating companies and the university give the annual Innovative Drug Discovery Seminar and “Fundamentals and Applications of Molecular Imaging”.
- A total of more than 60 seminars had been held.



Platform Design after the Program Period

The Matching Program for Innovations in Future Drug Discovery and Medical Care

Providing companies with space for their own research, and preparation of the environment such as control of intellectual property

Intramural Cooperation for Drug Discovery and Medical Care

Open Innovation Platform for Future Drug Discovery and Medical Care

Promotion of future drug discovery and medical care by industry-university collaboration

Center for Translational Research

Support for clinical and translational research

Center for Education and Research on Drug Discovery

Drug discovery with chemical library

Formation of an open platform aiming at wider range collaboration

