

OS03-1 Current Status and Future Outlook for Chemical Biology Research Initiative

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In the life science research, “drug discovery” is often mentioned from the view point of applying research results for the benefit of society. However, it is not able to carry out the full-scale “drug discovery” at the public research organizations such as universities, due to the lack of the infrastructure. Therefore “drug discovery” at Japanese universities has lagged behind remarkably comparing with foreign countries.

Chemical Biology Research Initiative (CBRI), the University of Tokyo, was established to construct a chemical library and a screening facility, as well as a chem.-bio database, and serves as a research platform for “drug discovery” for life science researchers of the whole country. Specifically, based on joint research collaboration with researchers in Japan, who are studying the proteins associated with diseases, and taking advantage of these infrastructures, CBRI aims to find a compound regulating a function of these proteins, at the same time to tie it to a new drug development.

Refer to homepage (<http://www.cbri.u-tokyo.ac.jp/>) for the use of our chemical library.