Overview of Life Intelligence Consortium "LINC"

Yasushi Okuno

Department of Biomedical Data Intelligence, Graduate School of Medicine, Kyoto University

In November 2016, we established the Life Intelligence Consortium (LINC), a collaboration organization between industry and academia and between life science and IT industries to advance AI development in the life science field. LINC consists of about 100 companies and organizations including IT companies and life science companies such as pharmaceuticals, medical care, and healthcare. With the support of academia from Kyoto University, RIKEN, etc., LINC aims to promote the health care field and related industries based on the AI strategy. In this lecture, I will introduce the details of research at LINC from the viewpoints of system pharmacology, ADMET, clinical data analysis, and natural language processing, and discuss the possibilities of AI and big data in the pharmaceutical industry.