

# 20<sup>th</sup> RAP Seminar

The 20th Seminar on RIKEN Center for Advanced Photonics

Language: Japanese

Date : **Feb.20 (Fri), 2015, 16:00 -17:00**

Location : **Cooperation Center, 3F, W319, Wako Campus, RIKEN**  
(理研 和光キャンパス 研究交流棟3階会議室 W319)

Title: **Activities and Pressing Matters  
of RIKEN BioResource Center (BRC)**

バイオリソースセンターの活動と課題

Speaker : **Dr. Yuichi OBATA**  
(Director, RIKEN BioResource Center (BRC))

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(理研バイオリソースセンター・センター長)

RIKEN established the BioResource Center in 2001, responding to long standing plea from Japanese scientific community for a central repository of biological materials in our country. Since then, RIKEN BRC has been operating under three principles, "Trust", "Sustainability" and "Leadership". The center focusses on the following five of the most important bioresources used in research and development; experimental animal-mice, experimental plants-arabidopsis and brachypodium, microbes, cell lines of human and animal and genetic materials of human, animal and microbes. RIKEN BRC has accumulated over 4.5 million strains, lines and clones and distributes 16,000 items yearly to domestic and international scientific community. RIKEN BRC is now well recognized as one of central repositories of each resource in the world.

The current urgent matter in sciences, especially in biological sciences is the reproducibility and independent verification of experimental results. There are several crucial requirements for reproducing the experimental results. Among them, sharing the information and experimental materials is the key issue. Central repositories (BRCs) are expected to fill this role. In addition, it has been known that over 10% of biological materials have certain defects in their quality that prevent the reproducibility. The correction or removal of bioresources with defects is also expected to be done by BRCs. RIKEN BRC is proud to say that it has been distributing bioresources of the highest quality. However, bioresources produced by cutting-edge science fields have become more and more sophisticated. This sophistication makes the quality tests of bioresources more difficult. With help from scientists in-and outside of RIKEN, RIKEN BRC hopes to overcome these difficulties and to be able to provide the scientific community with "authentic" bioresources for promotion of research and development with integrity.



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