



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

The 75th Seminar on RIKEN Center for Advanced Photonics

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## - ONLINE Seminar -

Date: **February 18(Fri) 16:00 - 17:00, 2022**

Title: **Hybrid or network cell analysis technologies**

細胞解析技術の融合と結合

Speaker: **Prof. Sadao OTA**

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In the rapid progress in information science, what kind of framework would allow us, who do not fully understand cells and life, to measure cellular information and use it beyond bias of our knowledge? To answer this, we are seeking for approaches by combining optical, fluidic, genetic, information, and material technologies to achieve speed, scale, and information content.

In this talk, I will introduce our recently developed ghost cytometry method for fast and accurate classification of image information without producing an image, and the high-speed cell sorting technology that integrates this method. If time permits, I would also like to introduce further new technology directions that are different from ghost cytometry and that may answer the first question I posed.