

## *Social Cooperation Research Program*

# Project Division of International Healthcare Innovation Research

## 国際健康医療推進社会連携研究部門

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*The mission of the Project Division is to facilitate the social implementation, engagement with the public, and propagation of research findings in the healthcare field at international medical facilities through collaboration between the Institute of Medical Science, the University of Tokyo, and Tokyu Land Corporation.*

### **Implementing advanced medical research at IM-SUT**

**Yuji, K.**

The Project Division was established in November 2024 as the successor to the former Project Division of International Advanced Medical Research. Our mission is to contribute to facilitate the social implementation, engagement with the public, and propagation of research findings in the healthcare field at international medical facilities through collaboration between the Institute of Medical Science, the University of Tokyo, and Tokyu Land Corporation. We conduct lectures at international medical facilities to share knowledge and raise public awareness of the latest advances in healthcare.

### **Medical DX and Clinical Laboratory Data**

**Yuji, K.**

In the era of digital transformation (DX), the col-

lection and utilization of big data in the healthcare field is an urgent issue. Healthcare big data is primarily comprised of electronic health records (EHR) and personal health records (PHR). Standardization, interoperability, and the establishment of a common platform for EHR/PHR are essential for medical DX. Clinical laboratory data account for a large portion of medical information, especially within EHRs, which reportedly comprise 93% of electronic medical records. This data includes various types of laboratory test results, such as blood tests and urine tests. PHRs, gaining attention in recent years, provide a mechanism for individuals and families to accurately understand and utilize health and medical data related to their daily lives as electronic records, including self-tracked measurements such as blood pressure, pulse rate, and blood glucose levels, as well as information from healthcare providers.

We actively contribute to the standardization, interoperability, and establishment of a common platform for EHR/PHR from the perspective of clinical laboratory data.

### Publications

1. 湯地 晃一郎. 疾病の診断・治療を目的とした医療プログラム (SaMD; Software as a Medical Device) における臨床検査.. 日本臨床検査医学会誌. 72(4); 289-293, 2024.
2. 湯地 晃一郎. 医療DXにおける臨床検査の展望. 臨床化学. 53(4);222-228, 2024.