

R&D Center for Precision Medicine

Since January 1st, 2017

Aiming for Social Implementation of Precision Medicine

The Research and Development Center for Precision Medicine (PMC) was established as Japan's first center comprehensive Omics Analyses for Precision Medicine. Using state-of-the-art technologies in genome sequencing and mass spectrometry, the Center aims to provide analytic and translational approaches to provide precise diagnosis of cancers and various diseases in a data-driven/evidence-based approach. The Center has been working with the Tsukuba Preventive Medicine Research Center, which offers a comprehensive medical examination utilizing the function of initiative prevention of medical research. In order to promote collaborations with leading domestic and international research institutions, the PMC is also active in cross-border multidisciplinary networking. The Center aims to establish a research infrastructure for the implementation and realization of Precision Medicine, to improve/determine the best course of treatment for each individual.



Taka-Aki Sato, Ph.D.
Director, R&D Center
for Precision Medicine

Mission

Introduce the next-generation ultra-high-throughput human whole genome sequencing system in the University of Tsukuba.

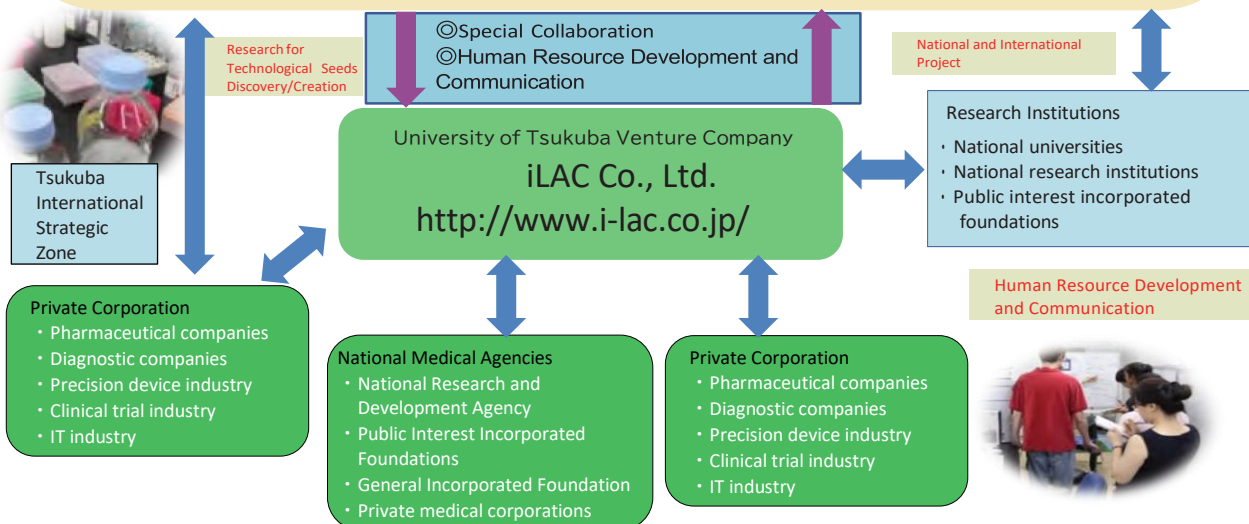
Form a platform for Precision Medicine by building partnerships across industry, academia, and government.

8 Core Laboratories

- Medical Genomics
- Cancer Genomics and Epigenomics
- Advanced Infectious Diseases
- Congenital Metabolic Diseases
- Precision Psychiatry
- Morpho-informatics and Multi-omics
- Food and Healthcare
- AI Data Analysis



Next Generation High-Throughput Human Whole-Genome



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