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Japan System Techniques and Graduate School of Human Life and Ecology, Osaka Metropolitan University Sign an Agreement to “Promote Research in the Healthcare Field Using Medical Big Data”

Japan System Techniques Co., Ltd. (JAST) and the Graduate School of Human Life and Ecology, Osaka Metropolitan University have entered into an agreement to "Promote Research in the Healthcare Field using Medical Bigdata." The details are as per attached.

The earnings forecast announced on May 13, 2022 already incorporates the effect of this matter on the results of operations for the fiscal year ending March 2023. An announcement will be made promptly if there is any additional information that should be disclosed.

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Osaka Metropolitan University

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Japan System Techniques Co., Ltd. (JAST) and the Graduate School of Human Life and Ecology, Osaka Metropolitan University have entered into an agreement to "Promote Research in the Healthcare Field using Medical Bigdata."

■ Purpose

The primary goal of this agreement is to promote research projects in the healthcare field and to publicize the results of this research. This agreement will enable JAST to support the development of new preventive medicines to extend healthy life expectancy and improve quality of life (QOL) at all stages of life.

(Left) Michihiko Tokoro, Dean, Graduate School of Human Life and Ecology, Osaka Metropolitan University
(Right) Takeaki Hirabayashi, President and CEO, JAST

Agreement signing ceremony

■ Details

JAST is building a medical bigdata platform ("REZULT") derived from health insurance invoice data (see note 1) and health checkup data of approximately 8 million people. REZULT includes an extensive range of data from personal information including gender and age to medical information such as injury, illness, and prescription drugs. This anonymous health insurance invoice data is suitable for a wide range of research activities and social surveys. JAST is using it with the consent of health insurance associations. JAST complies with the guidelines for handling medical information to ensure secure acquisition and management of data.

The Graduate School of Human Life and Ecology, Osaka Metropolitan University, uses REZULT to conduct research in various healthcare fields from an academic perspective. Moreover, JAST's aim is to contribute to society in the overall healthcare field by promoting research projects in collaboration with local governments and other companies.

■ About The Graduate School of Human Life and Ecology, Osaka Metropolitan University

Osaka City University, and Osaka Prefecture University, merged in April 2022 to form Osaka Metropolitan University (OMU). OMU is one of the largest public universities in Japan with approximately 16,000 students, The university has 12 faculties and academic disciplines and 15 graduate schools, covering a wide range of academic fields.

Human life and ecology is a postgraduate course that is constantly aiming for more progress in this field, which is a comprehensive interdisciplinary domain that combines culture and science. The social background for this course is the emerging need for specialists in many sectors in order to solve current social problems. Education and training programs along with contributions to society are the primary objectives. These goals are accomplished by using R&D programs backed by the collaboration of individuals and stakeholders in many fields involving nutrition, living environments and welfare programs, all from the perspective of wellbeing.

Graduate School of Human Life and Ecology
Department of Human Life and Ecology
(Nutrition, Living Environment Design, Social Welfare Science and Clinical Psychology

Faculty of Human Life and Ecology
Department of Nutrition, Department of Living Environment Design, Department of Human Development and Welfare

■ The Future Co-Creation Laboratory of JAST

The Future Co-Creation Laboratory of JAST is a medical big data business with the mission of using the digital transformation of health care backed by medical big data (invoice data, health check-up data and other data) to solve issues at healthcare facilities and insurance companies and organizations. This laboratory will continue to analyze information obtained from research activities in order to raise the value of JAST's data and create more ways to solve the issues of customers.

Operations of The Future Co-Creation Laboratory also contribute to accomplishing Sustainable Development Goals number three, good health and well-being, and nine, industry, innovation and infrastructure. These activities include the use of medical big data to enable people to stay healthy and the use of alliances with the academic sector for joint research and the development of products.

Note 1: Health insurance invoice data

When an individual receives a medical treatment covered by insurance, the healthcare institution sends an invoice listing the procedures and amounts due to the insurance company or organization. For medical and dental care, an invoice listing the procedures and amounts due is sent. For pharmacies, an invoice listing the drugs supplied and amounts due is sent. For nurses visiting individuals at home, an invoice listing home nursing care services and amounts due is sent. One invoice for each patient and individual healthcare institution is prepared every month. Invoices contain information about the reasons that individuals received medical care, the cost of the care and other items. JAST converts this information into a database for subsequent utilization.

■ Inquiries

The Future Co-Creation Laboratory, Japan System Techniques Co., Ltd.
Contact for more information (redirected to an external website): https://www.jastlab.jast.jp/contact/
Website of The Future Co-Creation Laboratory: https://www.jastlab.jast.jp/

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