

Shimadzu Tokyo Innovation Plaza was constructed



An opening ceremony

On January 16, 2023, an official opening ceremony of Shimadzu Corporation's first large-scale research and development center in the Kanto region, "Shimadzu Tokyo Innovation Plaza" was carried out. The facility consists of four laboratories covering an area of 9,503 square meters in Research Gate Building III which was jointly developed by Daiwa House and Kawasaki City, and is equipped with approximately 100 analytical instruments. The concept is "Innovation Plaza -Attracting and connecting people, ideas, and technology-". Besides developing new analytical methods with customers, it is planned to use as an open innovation center in the Kanto region, with a space introducing the history of the company and halls for holding academic conferences.

The exhibition space and offices are arranged around an open atrium, so that the curved laboratory benches could be viewed from the corridor. Moreover, on the top floor, we arranged the globe shaped space, which symbolizes global business and contribution to the global environment. Inside is named the ICHIHANA Hall, which derives from the word "ichihana", that means "promptly" in the Kyoto dialect. We embodied the concept of "fascinating" the analytical and measuring instruments and employees to our visitors. Prior to the opening ceremony, a preview was held for residents of institutions of KING SKYFRONT. After an overview of the facility, they were divided into

multiple groups for touring the facility. There was an active discussion and interaction at the networking meeting after the tour. Several academic conferences and seminars have already been held, and there were about 3,000 visitors by the end of March, 2023. Our goal of creating new knowledge and value from interaction spaces has already begun.

【From Tonomachi to the world】

Our staff who were involved in the planning and launch of the center said the reason for setting up the center at "KING SKYFRONT" as follows.

One of the features of Shimadzu Tokyo Innovation Plaza is that it locates close to our customers. About 70 healthcare-related research institutes and companies are located in the KING SKYFRONT of Kawasaki City, and technical exchanges and collaborative research are actively carried out. The Shimadzu Tokyo Innovation Plaza is not only close to customers in the Tokyo metropolitan area, but it is also convenient to Haneda Airport, so we anticipate that customers from all over Japan and even overseas will visit frequently. We think it is significant to understand customer needs and reflect in new analysis methods and product development.

RINK FESTIVAL 2023 was held

On February 17, 2023, the 5th Regenerative medicine & Cell therapy industrialization network of Kanagawa(RINK) was held face to face for the first time in three years. The event aims to create a place for PR and interaction among RINK member companies, businesses operators, scientists, students and others from around Japan, under the theme of "Tolerant relationship and new encounters".

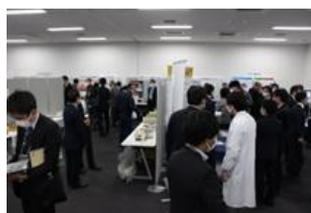
In five sessions, institutions of regenerative medicine and cell therapy located in the Tonomachi area discussed on a wide range of themes, such as the aspirations for cutting-edge science and technology innovation activities, efforts and challenges as the bio-community, collaboration with peers, the role of "quality evaluation" in the industrialization of regenerative medicine and cell therapy, and overseas expansion of bio-ventures. In the final discussion by top runners in the regenerative medicine industry had a lively discussion on how to promote the practical application and industrialization of regenerative medicine and cell therapy in Japan.



The 1st Science Forum was held at Tonomachi King SKYFRONT

On February 6, 2023, the 1st Science Forum was held at Tonomachi King SKYFRONT. Scientists and engineers engaged in research and development in various fields in this area, aiming for proactively and actively exchange information and technology through science and engineering, held a networking meeting that combines research presentation, technology exhibitions, and company exhibitions. In the research presentations of the first session, three local institutions, the National Institute of Health Sciences, the Central Institute for Experimental Animals, and the Innovation Center of NanoMedicine gave their cutting-edge research presentation of the results.

At the networking meeting of the second session that followed the presentation, 23 local institutions introduced their research results, proprietary technologies, product services, and businesses in the form of posters and product exhibitions. Many participants actively exchanged opinions and information, and it was a great opportunity for mutual understanding and new discoveries for them.



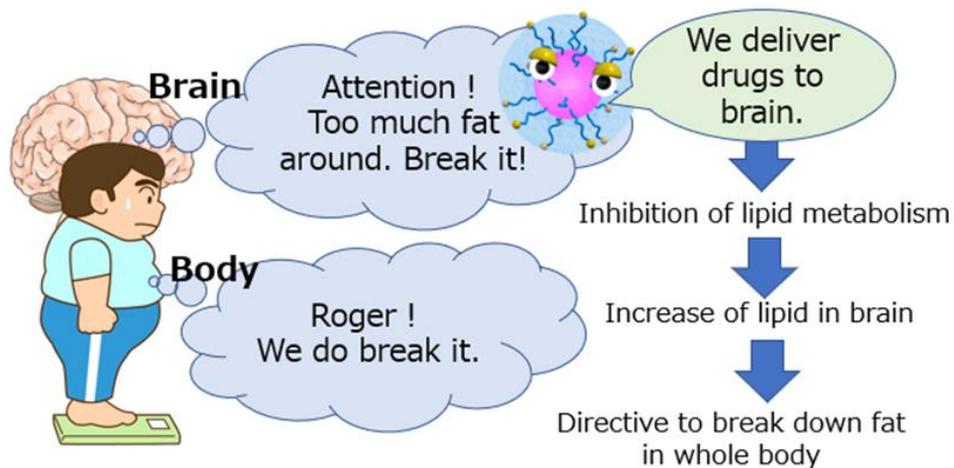
Fujita Academy and Keio University signed a partnership agreement

On February 1, 2023, Fujita Academy and Keio University signed a partnership agreement to work together to promote industry-academia-government collaboration activities centered on the Haneda and Tonomachi districts with the aim of promoting the development and social implementation of cutting-edge medical science and technology. The Fujita Medical Innovation Center Tokyo and Keio University Tonomachi Town Campus, which were established by both institutions, will collaborate to conduct research and development in the fields of regenerative and cell therapy, gene therapy, robotics and data science, and will cooperate in commercialization support, human resource development, shared use of facilities and equipment, etc. Thus, by increasing the sophistication, efficiency, and acceleration of research and development, they will synergistically demonstrate the potential of both and aim to create products and services in the new advanced medical field that will contribute globally.

Systemic treatment by acting on the brain

The brain is a very important organ. Because of this, the brain has a barrier that only allows necessary substances to enter, which is why it's difficult to discover CNS drugs. Here is a tiny capsules (nanomachines) at iCONM, designed to enter the brain. Recently, NHK broadcast a report that when dementia drugs were loaded onto these nanomachines and administered to mice, the drugs were found to be effective with minimal side effects. And new research using these "brain-entering nanomachines" is underway in collaboration with a Spanish university. Take obesity, for example. A large amount of drugs are needed to break down fat throughout the body. But a drug that works in the brain, where fat metabolism is controlled, would work with a much smaller dose. This is the area that gives orders to break down fat throughout the body when the amount of fat in the surrounding area increases. So when mice were given a nanomachine loaded with a drug that slows lipolysis, they demonstrated rapid weight loss, results published in Biomaterials Science.

[Click here for this treatise](#)



King Sky Front PR video released (Research Institute version)

PR videos are now available for the four laboratories on the King Sky Front: National Institute of Health Sciences, Central Institute for Experimental Animals, Innovation Center of Nano Medicine, and Kawasaki City Institute for Public Health.

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Date of issue: April 2023

Publisher: TONOMACHI LifeScience Cluster Division

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