

Transmit KING SKYFRONT latest information at BioJapan 2022



Kawasaki Institute of Industrial Promotion booth

BioJapan2022, Asia's largest partnering event in the bio-industry, was held at Pacifico Yokohama from October 12th to 14th, 2022. It attracted more than 16,000 visitors over the three days, with many domestic and international companies and research institutions.

The Kawasaki Institute of Industrial Promotion (KIIP) exhibited at the "Yokohama Kawasaki Pavilion" and introduced KING SKYFRONT and their initiatives for incubation projects. In the same pavilion, other institutions located in KING SKYFRONT, such as the Central Institute for Experimental Animals, Elixagen Scientific, Inc., Natural Materials Exploration Laboratory Co., Ltd., Innovation Center of Nanomedicine, etc. also participated as well. There was an active interaction among domestic and overseas life science clusters and academia.

On the first day of the event, we shared the latest information on KING SKYFRONT with Shimadzu Corporation and JSR Corporation in the presentation area. The theme was "~Kawasaki's southern tip is the world's most advanced~ Challenge of the ever-evolving KING SKYFRONT".



SHIMAZDU Corporation Analysis and Measurement Division SAITO Hiroomi



JSR Corporation Head of Life Science Corporate R&D and Head of JSR Bioscience and informatics R&D center HASHIMOTO Hideo

At the Shimadzu Tokyo Innovation Plaza, which is about to open, Mr. Saito of the Business Planning Department of the Analytical & Measuring Instrumentation Division talked about the goals at the KING SKYFRONT, including the development of applications to solve social issues and the fostering of collaborative networks by utilizing the researchers' exchange area in the facility.

The JSR Bioscience and informatics R&D center (JSR BiRD) which opened in KING SKYFRONT last year is also one of the research centers and creating new businesses by life science and informatics. Mr. Hashimoto introduced the concept of working on research and development while interacting with researchers with various backgrounds, and he said that the collaborations with start-up companies began. In addition, the Kawasaki Institute of Industrial Promotion summarized the accumulation situation of KING SKYFRONT, the incubation business and the share office which have started this year. This event was very successful that future development and growth of KING SKYFRONT can be anticipated by everyone who visited.

Holding “PhRMA Translational Research Symposium” at KING SKYFRONT

On November 26th, 2022, the PhRMA Translational Research Symposium - Japanese Seeds and Human Resources nurtured in Kawasaki, Kanagawa - of Pharmaceutical Research and Manufacturers of America (PhRMA) was held at KING SKYFRONT. In this symposium, the scientists in medical field who are from industry, government and academia discussed from various perspectives on theme such as discovering and cultivating seeds. It aimed to further increase the participants' motivation for research, as well as how to develop human resources who can play an active role globally in the field of drug discovery. On the day, as keynote speeches, Mr. KOJIMA Nobuhiko, Director and CTO of Ecocell Co., Ltd., talked about his experience in starting a university venture, and Dr. SHIMAOKA Mikiko, Professor, Graduate School of Health Innovation, Kanagawa University of Health and Welfare, spoke about the methods and theory which are necessary for startups.



Mr. KOJIMA Nobuhiko, CTO Ecocell Co.

In the panel discussion in the last part of the symposium, there was an active discussion towards the development of Japan's drug discovery ecosystem.

Metcela has been selected for AMED projects worth up to 1 billion yen

Metcela Inc., has announced that they have been selected for AMED's “CiCLE : specifically called ViCLE for start-up company”. In this adopted project, they will promote collaboration with Okayama University for regenerative medicine products that Metcela is developing and will work on the development of therapy for patients with monovalent disease that is pediatric congenital single ventricle. Under the mission of "Revolutionizing the treatment of heart failure", Metcela is conducting research with the aim of providing new regenerative medicine products centered on heart failure.

Attention is focused on the development of hopeful treatments for patients with limited treatment options.

[Click here for Metcela Corporation news release](#)

Kao Announces the outcome of virus research using VHH antibodies

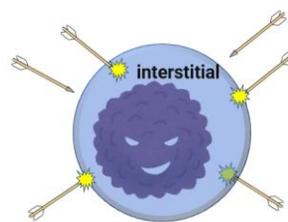
Household Products Research Laboratories, Kao Corporation, RIKEN, Kitasato University and Epsilon Molecular Engineering Inc. has discovered a simple method for visualizing SARS-CoV-2 attached to textiles using a VHH antibody-fluorescent protein fusion. This research achievement will help understand detailed localization of viruses in the environment and develop products for inactivating and removing viruses.



Make more effective by breaking the shield of refractory cancers

Refractory cancers such as triple negative breast cancer (TNBC) develop fibrous tissues called stroma, which is like an energy shield covering alien's spaceships, repelling external attacks such as immune cells and anticancer drugs. Some studies are underway to weaken the stroma to make immunotherapy and chemotherapy more effective.

Focusing on the fact that the long-listed antiallergic drug "Tranilast" remodels proliferating fibrous tissues, a Tranilast-loaded nanomachine was administered to TNBC model mice. As a result, the stroma was weakened with 100-fold reduced amount of Tranilast used without micellization, and the disappearance of tumors and retention of immunity were observed when used in combination with anticancer agents. The results are shown in *Nature Communications* on November 22.



[Click here for this treatise](#)

Do you know KING SKYFRONT ?

Tonomachi KING SKYFRONT is located on the opposite bank of Haneda International Airport across the Tama River, and is Tonomachi International Strategic Zone in the life science field that creates new industries from world-class research and development. Around 70 institutions are gathered on a 20-hectare site, where research and other activities are conducted on a daily basis.

Please come and see the charm of the KING SKYFRONT.

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TONOMACHI LifeScience Cluster Division,
Kawasaki Institute of Industrial Promotion

Mail : info-ksfcl@kawasaki-net.ne.jp

