



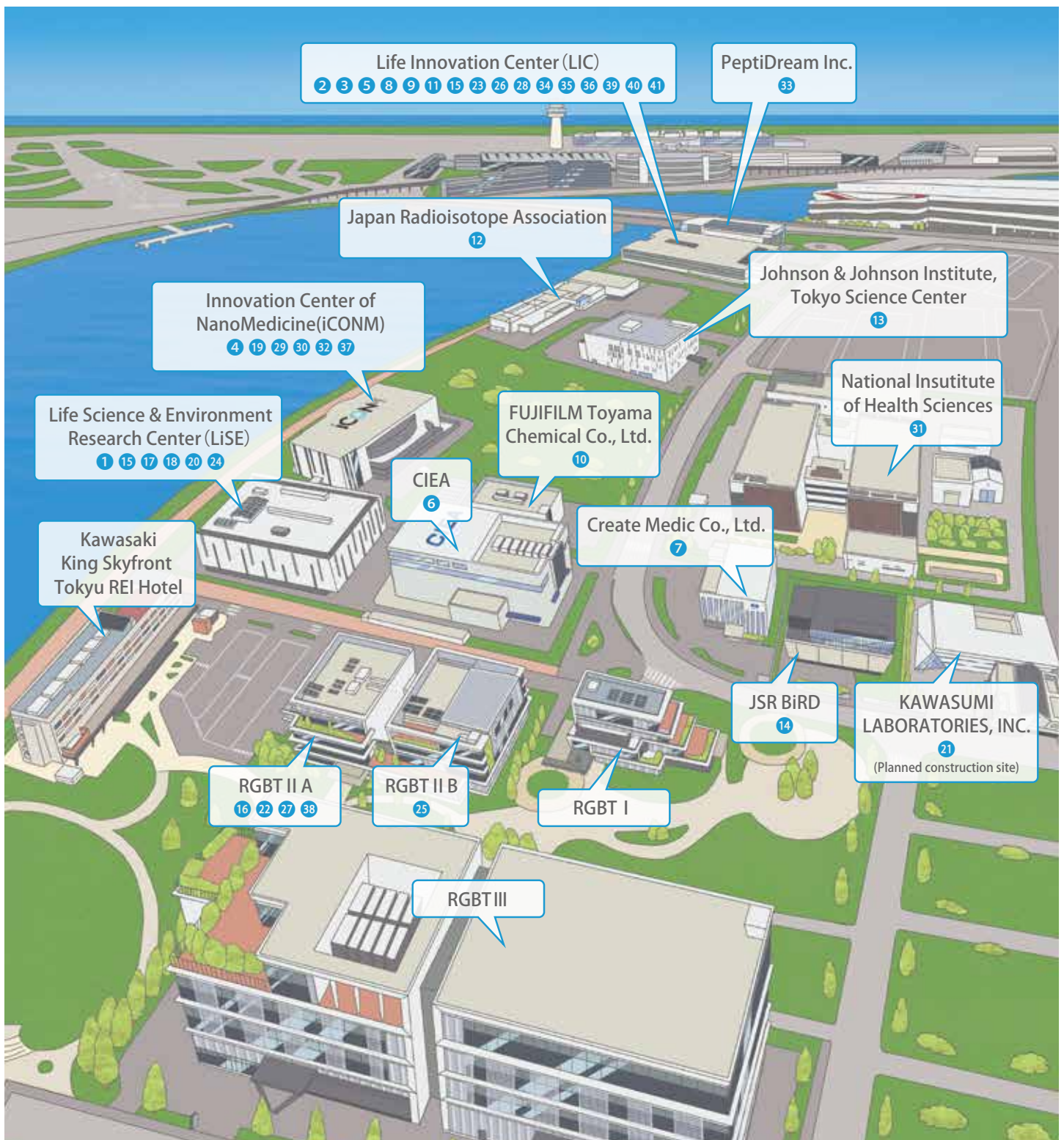
KING SKYFRONT

Companies and Organizations list

2021



Kawasaki INnovation Gateway at SKYFRONT



70 companies
and organizations

600 Researchers

Employment **1,400** staff

300 Ph.D.

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Providing medical services, mainly postal testing services.


Conducting R&D for testing methods for early detection of sexually transmitted infections.


Alba Corporation provides medical services, mainly postal testing services (especially in STD field), based on the corporate philosophy of "making your health management more close".

We have created a follow-up system with expert consultations and coordination with medical professionals.

We provide not only testing opportunities but information of prevention as well to increase prevention awareness.

At our laboratory, we aim to contribute to society through collaborating with various research institutions, conducting R&D for testing methods which contribute to early detection, creating new medical services for consumers.

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AS ONE Corporation,
Solution Research Laboratory

Service provider

Single cell picking

Gene expression


Whole genome imaging

Cell culture training course


Service provider for cell cultures, gene expression and whole genome imaging analyses

AS ONE has been providing a comprehensive supply of research instruments and consumables for use in laboratories. AS ONE Solution Research Laboratory in KING SKYFRONT is a service provider to offer single cell picking, gene expression profiling, and whole genome imaging by using cutting-edge instruments and technologies in the field in order to support basic and translational research. We are not only bringing an opportunity to obtain high quality results from those instruments for researchers, but we are also creating new applications to support customers who already installed those instruments.

Apart from being a service provider, we provide cell culture facilities in our laboratory to hold a training course for qualifying cell culture specialists under the mentorship of trainers from The Japanese Tissue Culture Association. Hence, we would like to become a hub for connecting technologies, human resources, and ideas in order to provide a comprehensive solution to your research.

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A whole seller of lab products in life science market

BIOTECH LAB INC. is a whole seller of lab products in the KINGSKYFRONT. We have been handling lab products like chips, equipments and reagents, and introducing outsourcing service of life sciences for customers.

Additionally, we have been managing rent laboratory space where basic lab equipments were installed. Researchers can conduct experiment of molecular biology and cell culture in our rental laboratory under standard bio-safety level P2 and BSL2 condition. We have been receiving lots of inquiries on rental laboratory service than we expected. And we start on the management LIC Open Laboratory since April 2020. This lab is equipped with high-performance research instruments and devices like FCM.

We have many experiences to move and build new laboratory and can perform appropriate consultation for researchers. Do not hesitate to contact us if you need our assistance.

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 About BIOTECH LAB INC.
<https://www.biotechlab.co.jp/>

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About LIC Open Laboratory
<http://lic-openlab.com/>

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3



Braizon Therapeutics, Inc.


Drug Delivery
System

BlooBrain
Barrier

Drug Discovery
and
Development

Applying and implementing, within the fields of medicine and life science, innovative technology for the delivery of drugs to the brain

Braizon Therapeutics, Inc. was established with the aim of applying and implementing, within the fields of medicine and life science, innovative technology for the delivery of drugs to the brain as the outcome of collaborative research by Professor Kazunori Kataoka from the Graduate School of Engineering/Medicine, the University of Tokyo and Professor Takanori Yokota from the Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University.

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4

Cancer Immunotherapy

BrightPath is a clinical stage biopharmaceutical company focused on the development of novel cancer immunotherapies to transform cancer treatment for refractory or progressive cancers that cannot be treated with conventional standard therapies. In addition to cancer peptide vaccines currently in clinical trials in the United States (combination with an immune checkpoint inhibitor), BrightPath is actively involved in developing cell therapies, immunomodulatory antibodies and new drug targeted at cancer specific neoantigens.

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5



Central Institute for
Experimental Animals
(CIEA)

experimental animal

animal experimentation

humanized animal

mouse

marmoset

Contribution to Research and Development in the Medical Field by Developing Cutting-edge Animal Experiment Systems

Since its establishment in 1952, CIEA has contributed significantly to the development of laboratory animal science in Japan by establishing the breeding and management techniques, and the animal quality control system for experimental animals. In addition, since the 1990s, we have established a scientific field called “In-vivo Experimental Medicine” for translational research that connects clinical and basic research, and have been working on the development and practical application of cutting-edge animal experimental systems. As a result, the polio mice to test the neurotoxicity of live polio vaccines, and the rasH2 mice to test the carcinogenicity of new drugs in a short period of time, have been used as global standards. Currently, our major research interests include the humanized mice using immunodeficient NOG mice and the establishment of neurological disease models using genetically modified marmosets. CIEA was awarded the Japan Medical Research and Development Grand Prize by the Japan Cabinet Office in 2020 in recognition of these achievements. We continue to contribute to human health and welfare from laboratory animal science standpoint.

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6

Research, manufacture and sale of medical appliances

Since the establishment of Create Medic Group, we have been devoting ourselves under our management philosophy of "quality of life," dedicating our lives to the research, development and manufacture of more effective disposable medical devices made of silicone resin. This material has remarkable properties concerning safety and other benefits. In this way, we hope to support medical practices in the lofty purpose of maintaining and preserving life and to respond to more complex needs in the medical workplace. Our efforts have yielded Japan's first manufactured silicone catheter, earning us a high level of recognition both inside and outside Japan.

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Development of chemical reagents for cellular functional analysis

Since the latter half of the 1970's, DOJINDO Laboratories has been at the forefront of technological innovations and developed a number of analytical reagents to help in the progress of scientific and technological research. Today, these products are widely used by many state-of-the-art research organizations, such as universities, medical institutions, research institutes, factories and so forth. Due to the dramatic progress in the field of genetic research, recent expectations have been that reagents will play a more important role in this research fields. For the purpose of understanding these scientific and technological changes without delay, we established an Innovative Research Center in Kawasaki.

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Elixirgen Scientific provides rapid differentiation reagents and differentiation services that can accelerate your research.


Elixirgen Scientific, launched in 2016, is a Baltimore-based biotechnology company focused on stem cell related technology. The company's mission is to make stem cell innovation available to everyone. The industry's top issue is the high cost and inefficiencies in iterating research and development due to the long cell differentiation period from human pluripotent stem cells to specific human cells.

Elixirgen Scientific is now providing the following kits and services at an affordable price to help make research and other laboratory works more efficient.

- Rapid differentiation reagent kits
- Differentiated cells derived from healthy iPSC lines and disease lines such as Alzheimer's, epilepsy and autism
- Differentiation services using customers' iPSC lines

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9

Supply of radiopharmaceuticals for PET and R&D of the formulation for individualized medicine

In collaboration with FUJIFILM, which conducts research on new drugs, we will develop novel radiological diagnostic and therapeutics drugs in the fields of "cancer", "central nervous system disease" and "infectious disease" with unmet medical needs.

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10

Development of gene therapy

Gene therapy is defined as "the administration of a gene or cells with introduced genes into the human body to treat diseases", according to the MEXT and MHLW in Japan. Gene therapy research is progressing globally. In Japan, clinical studies have already been conducted for some diseases. The age of gene therapy is about to begin. In our research, we have found a unique gene therapy technique that is expected to have great therapeutic effects: an innovative approach using the highly safe adeno-associated virus (AAV) as a vector to carry therapeutic genes. We are developing gene therapy for intractable diseases of the central nervous system area such as amyotrophic lateral sclerosis (ALS), Parkinson's disease, AADC deficiency. Our gene therapy approaches are expected to have long-term effects via single administration; therefore, we believe that they will reduce medical expenses in our super-aged society and ensure their global competitiveness against other approaches.

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11

Japan Radioisotope Association
Kawasaki Technical Development Center

Radioisotope

Radiation

Dosimetry


Manufacturing and distribution of radioisotope products, R&D of radiation technology


Japan Radioisotope Association (JRIA) was established in 1951 and was reorganized as a Public Interest Incorporated Association. Our mission has been to spread professional knowledge and technology on radioisotope utilization, and ensure the stable supply, safety and security of radioisotopes by means of our lifecycle management system from supply to disposal in compliance with the relevant regulations and ISO9001.

HQ of JRIA in Tokyo is organizing and supporting our members and users from research, industry and medical fields to promote the safe use of radioisotopes, providing training courses, publications and professional meetings etc.

<Activities of Kawasaki Technology Development Center>

- R&D for the radioisotope products and radiation technology
- Research and calibration service of the radiation dosimetry and radioactivity measurement. (ISO17025)
- Manufacturing, import, quality testing, transport and distribution of the wide range of radioisotope products.

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12

Training center for medical devices

The center's curriculum includes surgical simulation using organ models, skills labs for endoscopic and orthopedic surgery, training for vascular disease and infection prevention. With state-of-art technology, the center promotes safe and optimal use of leading-edge medical equipment.

The institute provides not only world class education and training but environment for lifelong study for health-care professionals with different background, now with effective investment and operation of digital contents.

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13



JSR BiRD (JSR Bioscience and
informatics R&D Center)
Opening planned in July 2021

JSR

Life Science

Informatics

Incubation

Open Innovation

We expect business incubation for new businesses by promoting open innovation with companies in the King Sky Front area.

JSR BiRD, an active base for JSR's life science business, informatics and digital transformation, and aimed for creation of new businesses, scheduled to start in July 2021 at King Sky Front in Tonomachi, Kawasaki City.

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Current status: JSR Headquarters: +81.3.6218.3550

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(Kawada, Yukihiro)

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14

Evaluation and R&D of functional food and antibacterial/antiviral action.

As the reliable public research and development institute of Kanagawa, contributing to the realization of an enriched life and the regional economic development, by means of supporting innovation of SME and promoting science and technology.

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(Regional Innovation Promotion Group, Research Support Section,
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15



Kanagawa University of Human
Services School of Health Innovation,
Center for Innovation Policy

Public health

Innovation

Entrepreneurship

ME-BYO

Think tank


Fostering health innovators of the next generation

This school is a new academic institution which aims to develop human resources that can revolutionize social system and technology in the field of health and medical care.


The master's and doctoral programs foster the next generation of healthcare and medical innovators in an environment that is conducive to learning for working people.

Center for Innovation Policy acts as a think tank organization to flexibly support policy making and promote academic research and social implementation.

By building network among various actors such as industries, academia, governments, we aim to lead a center for creating new health innovation which produce personnel who can play an important role worldwide and advance research to solve issues.

 Research Gate Building TONOMACHI 2-A 2・3F 3-25-10
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16

The Institute protects public health by enhancing the functions of traditional health institutes and strengthening health crisis-management functions such as measures against infectious diseases, for food safety and security, and environmental health measures.

Setting "to protect the health of citizens" as a keyword, conducting in wide range of experiment, research and investigation regarding public health. By collaborating with other research institutions, developing world-class research divisions based on public health.

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 40eiken@city.kawasaki.jp

17



Kawasaki Environment
Research Institute (KERI)

Environment

Research


Environmental
Technology
Information

A research base to solve environmental issues becoming diverse and complex

Kawasaki Environment Research Institute (KERI) carries out comprehensive research to solve environmental issues through regular monitoring and analysis of atmospheric environment and river water quality and collecting information on the impacts of climate change, capitalizing on Kawasaki city as its field of research. KERI cooperates with cities, research centers in Japan and around the world and with the companies in the city that possess excellent environmental technologies.

KERI also collects and disseminates information on its advanced environmental technologies and know-how for environmental protection and hosts environmental seminars for the citizens and promotes international cooperation in the field of the environment.

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Realization of In-body hospitals® by creating Smart nanomachine®

Human resources from various countries, organizations and/or fields are confronting the ambition of “establishing in-body hospitals®” by combining wisdom from various perspectives. Supported by advanced research level with 7% of Top1% citation index, science and technology that can autonomously detect physiological abnormalities and perform diagnosis/treatment are getting closer to reality every day. In the field of life science, which is expected to be the core of Kawasaki's industry in the next era, iCONM is the place of open innovation gathering industry, academia and government together under one roof. We are conducting research to promote innovative health care through the fusion of engineering and medicine.

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19



Kawasaki Institute of Industrial Promotion
TONOMACHI LifeScience Cluster Division

Planning and
Coordination

General Support

Wide area
coordination

Business Development

Public relations

Make KING SKYFRONT a world-class life science cluster

“KING SKYFRONT” is located in the Kawasaki coastal area. This area has been creating new industries from the world highest standard R&D especially related to life science fields such as drug discovery, drug discovery support, regenerative medicine, and medical devices. Since “KING SKYFRONT” is across Tama river from Haneda Airport and possesses geographical advantage, it would showcase Japanese cutting-edge technologies to visitors from all over the world.

Our division was established in 2020 to make this KING SKYFRONT a place where more talented people could gather and create new businesses. Through R & D, commercialization support and human resource development, various business players from industry-academia-government and financial institutions aim to create a notable area that produces cutting-edge technologies and businesses by cooperating and co-creating with each other.

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20

To be a company widely recognized with its originality on a global stage

Kawasumi Laboratories, Inc. was founded in 1957, as Japan's first manufacturer of disposable blood collection and transfusion sets made by plastic for medical use. Since then, as a pioneer in the field of disposable medical devices in Japan, we have developed various kinds of medical device such as artificial kidney (dialyzer) which Japan had relied on importing in earlier times. We have developed its presence in global market in the area of disposable medical devices such as hemodialysis and plasmapheresis products, blood bags and catheters.

We enhance research and development of advanced medical devices which put less physical burdens on patients and provide the products which meet ever-changing medical needs.

Kawasumi support the minimally-invasive therapy and contribute to quality-of-life improvements by developing creative leading-edge medical devices and providing safe and secure products.

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21



Keio University Frontier Research
& Education Collaboration Square
at Tonomachi (Tonomachi Town-Campus)

Wellbeing

life science

healthcare

data science

regenerative
medicine


haptics


social
implementation


An Institution for research and education in the life sciences


The Tonomachi Town Campus was established in April 2016. Responsible as a core institution of the Japan Science and Technology Agency (JST) Research Complex Promotion Program, it has linked up and cooperated with research institutions, corporations, and local authorities concentrated in Tonomachi King Sky Front and the surrounding area to create a Wellbeing Research Campus, where it has integrated and promoted "fusion research," "commercialization support," "infrastructure development," and "town planning," in addition to its educational activities aimed at implementing on-campus seeds at Keio University.

Now that a foundation has been built, these will be further developed to ensure that we are placed in the world as a global research complex working to realize a well-being society, and to this end, we announced the "Tonomachi well-being declaration—toward the realization of a well-being city from Haneda-Tonomachi—" in March 2020. Keio University will continue to play a central role in driving the growth of the Tonomachi Research Complex. <https://news-channel.jp/2020/03/13/482/>

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22



Life Science Institute, Inc.
Manufacturing Division, Tonomachi CPC

Tonomachi CPC

Regenerative
Medicine

Muse cell-based
product

Manufacturing

R&D

R&D, Manufacturing of regenerative medicine

Currently, clinical trials of Muse cell-based product are in progress for five indications (acutemyocardial infarction, ischemic stroke, epidermolysis bullosa and spinal cord injury, amyotrophic lateral sclerosis) and we plan to submit an application for marketing approval for Muse cell-based product to PMDA (Pharmaceuticals and Medical Devices Agency of Japan) in FY2021.

Here, Tonomachi-CPC is responsible for manufacturing Muse cell-based product for the above clinical trials, preparing data relating to product and quality for the application for marketing approval.

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<https://www.lsii.co.jp/en/>

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Material Research Center
Co.,Ltd

Contract
Research

Experimental
Animal

Functional
Food

I evaluate the internal availability of the functional foods material using a experimental animal

In 1999, our company was established purpose with carry out an evaluative examination with scientific evidence using by experimental animals. We determined the many kind of biomarkers focus on nutrition and toxicology fields. These determinations based on methods as physiology, pathology, molecular biology and other science fields.

Many kinds of medicine or food products company or research organization asked to our company to evaluate the function, bioavailability and others of original materials. We consulted research plan and methods together and carry out many evaluative examinations.

In addition, we developed and to sell the disposable experimental animal care products.

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Medtronic Japan Co.,Ltd.
Medtronic
Innovation Center

Medical Device

Training

Therapy Innovation

Technology Scouting

Contribute to Healthcare Advancement and Therapy Innovation by providing educational programs

We strive to contribute to human welfare by application of biomedical engineering in the research, design, manufacture, and sale of instruments or appliances that alleviate pain, restore health, and extend life.

Fully equipped with advanced imaging technologies and uniquely developed simulators, Medtronic Innovation Center provides multi-disciplinary academic programs to meet clinical needs.

We contribute to healthcare advancement and restoring the wellbeing of patients by providing appropriate medical technology and information through effective and efficient educational programs.

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R&D of regenerative medicine products

Metcela is a pre-clinical stage biotech startup in Japan, developing an innovative, clinically viable and effective cell therapy for heart failure. Metcela uses a specific population of fibroblasts found in the heart, called "VCFs" or VCAM-1-positive cardiac fibroblasts. Since the first discovery of VCFs' therapeutic effects for heart failure, Metcela has been working closely with a group of cardiologists, researchers and delivery device experts to develop clinically viable therapeutics and procedures.

Heart failure is a global pandemic that kills more people than any other ailments, yet there is no ultimate treatment for this debilitating condition. Most currently available treatment options only prevent the progression of the symptoms rather than providing a definitive cure for this irreversible condition. The last resort for the heart failure patients is heart transplant, but the issue with a persistent shortage of the donor hearts remains.

Metcela's approach to heart failure therapy is quite unique from other technologies that attempt to simply replenish cardiomyocytes in the infarcted areas. Instead, Metcela aims to stimulate pre-existing endogenous cardiomyocytes to regenerate damaged cardiac tissue by re-establishing favorable microenvironments with VCFs.

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26

Middle Molecule

IT-based Drug Discovery Laboratory(MIDL),
Tokyo Institute of Technology

Drug
discovery

Middle-molecule

Peptide


Nucleic acid


Molecular simulation

Development of a middle molecule drug discovery platform that utilizes computer science

The Middle Molecule IT-based Drug Discovery laboratory (MIDL) was established in September of 2017 as one of the "Innovation Research Initiatives" at Tokyo Institute of Technology. We are pioneering new middle molecule simulation technologies and design methods and are proceeding with their on-site applications for middle molecule drug discovery in close collaboration between researchers for computation and experiments. In addition, by combining information technology with advanced technologies for peptide and nucleic acid synthesis the Institute owns, we aim to put them into practical use in middle molecule drug discovery.

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27

Logistics Services with Ultra Cold Chain

Mitsubishi Logistics has been operating a new type of logistics facility at Life Innovation Center - a regenerative medicine and cell therapy industrialization facility since August 2017. Equipped with liquid nitrogen tanks, medical freezers and other cryogenic banking equipment, the logistics facility can handle dry shippers or containers to ship ultra frozen products and is commissioned by major pharmaceutical companies and medical product wholesalers with the cell banking, storage and transport of their products. Utilizing the knowhow acquired to date through its medical logistics business, the company is strengthening its involvement in regenerative medicine and cellular logistics.

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NanoCarrier Co., Ltd.

nanoparticles

nanomedicine

The R&D and manufacturing of new anticancer drugs with originated micellar nanoparticle technology

By encapsulation of drugs into micellar nanoparticles (20-100nm), NanoCarrier aims to develop especially anticancer drugs that can deliver drugs more safely, efficiently and preferentially to cancer cells with longer circulation time in the blood, thus resulting in reduced adverse reactions and increased therapeutic efficacy. This technology has the strong potential to achieve high therapeutic efficacy with small dosage; shorter treatment periods and reduced treatment costs; and alleviate the mental and physical burden placed on patients and improve their quality of life.

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NANOEGG®
Research
Laboratories, Inc.

drug delivery	eczema	atopic dermatitis
nano-encapsulation	liquid crystal	skincare
drugs	skin science	cosmeceutical

A dermatological research lab, we venture outside the box to pursue well-being and grace for all.


Nanoegg's R&D is focused on the skin.

Firstly, we developed technologies centered on drug delivery from the skin.

Our proprietary "nano-encapsulation technology" and "liquid crystal technology" allows for deeper penetration of active ingredients into the dermis, and we apply these technologies to materials and other technologies. We hope one day this technology will lead to vaccine patches.

Secondly, we elucidate skin diseases such as eczema and those that occur with aging. We hope to eventually establish a protocol on curing atopic dermatitis.

Skin conditions hamper people's life in subtle ways. We challenge ourselves every day to research and develop solutions for difficult dermatological issues by focusing on the mechanism of symptoms and change. Our goal is to raise people's quality of life through dermatological research.

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National Institute of
Health Sciences

pharmaceutical
products

medical devices

regenerative
medical products

food


living environment
materials


regulatory
science

A core research institute for regulatory science; science for medical supplies, medical equipment, food, living environment materials, etc.

Issues pertaining to human health change with the times. Many new pharmaceuticals, foodstuffs, and substances used in daily living are being created. Given this, the NIHS serves to control the products that are generated by science and technology to make sure that they truly benefit the general public. In other words, NIHS works to ensure harmony between scientific technology and human beings.

This kind of research is referred to as "regulatory science", and it is an area in which we, the staff of the NIHS, actively pursue each and every day.

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Supporting Advanced Research and Development in medical/healthcare fields Through High-Purity Polymers and Collaborative Creations

As a corporate group that develops and provides high-function and high-value added products that contribute to prosperity, in the three prioritized business fields of life/healthcare, electronics/IT, and environment/energy, NOF Group takes on new challenges for innovative business with thinking outside the box, and endeavors to co-create unique value with synergies that would arise from various partners which are affiliates, other companies, clients and public or academic research organization in the world.

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PeptiDream Inc.


macrocyclic/constrained
non-standard peptides

"Drug Discovery Powerhouse" with Peptide-Based Technology

A bio-venture company originated from the University of Tokyo. PeptiDream has more than a hundred of drug discovery and development programs based on its unique proprietary Peptide Discovery Platform System (PDPS), including both its in-house and those in partnerships with Japanese and multi-national pharmaceutical companies.

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Manufacturing and development organization of regenerative medicine and cell therapy

We, PharmaBio, have dedicated ourselves to process and system development for manufacturing of regenerative medicines. While continuing the commitment to provide high quality services for contract manufacturing and development, we are going to introduce a new regenerative medicine* leveraging our accumulated know-how and technology to contribute to a better quality of life and a brighter future.

*PBR-001, An autologous iris pigment epithelial cell sheet for myopic chorioretinal atrophy

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**Pharmacological Evaluation
Institute of Japan (PEIJ),
General Incorporated Association**

**Drug
cardiotoxicity**
MEA Parser
Organ-on-a-chip
Public health
STEAM education

Non-profit independent research institute to bridge between academia and industry by education, research, and development.

PEIJ is a non-profit pharmacology research institute. We are working with the activities globally for improvement in the reliability of the evaluation method of toxicity / safety and efficacy used in the case of drug development and chemical safety as an "ADAPTER". We are also working for STEAM education for all in the SDGs.


■MEA Parser for international researchers

PEIJ, member of the HESI Cardiac Safety Committee Myocyte Database Subteam, made and published "MEA Parser" which converts the imported raw data of various MEA equipment (MED64, Maestro and MCS) into common binary data on Windows, supported by AMED, so that it can be used internationally in research for in vitro drug effects on human iPSC derived cardiomyocytes. MEA Parser makes sense to store not only processed data but also raw data in the database for verification and open science. Every researcher using MED64/Maestro/MCS can access the converted common binary data, and waveform analysis can be carried out with their own filter and wave analysis tools. Researchers can develop new endpoints in the international open science context.


■Present a proposal for international standardization

"Present a proposal for international standardization of a method for evaluating drug cardiotoxicity using iPS cell technology" is a goal to be achieved by around 2020 in the Healthcare Policy. PEIJ published a paper on our "MEA Parser" that shows the usefulness of the raw data of various MEA devices (Inutsuka T. The role of the "MEA Parser": International release and perspectives. Curr Study Environ med Sci 10.). PEIJ could suggest storage of the raw data in the database in international standardization of the database.

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Genetic analysis services for clinical trials and research applications, development of in vitro diagnostics, etc.

Our mission is to realize personalized medicine using genomics and molecular diagnostics technologies, and we are exploring businesses that use advanced genetic analysis technologies.

1. Clinical Sequencing Service: We are doing several activities for clinical realization of "Cancer Clinical Sequencing" in Japan.

2. Drug development Support service: From measurement of biomarkers in each phase of drug development to development of in vitro diagnostics, to application for pharmaceutical affairs, etc.

Our laboratories have obtained CLIA certification and are able to conduct global clinical trials.

3. Contract Gene Analysis Service: We provide a wide range of genetic analysis service, from whole exome analysis using NGS to verifying specific genes using digital PCR.

4. RUO and IVD: A wide range of research reagents are available for cancer and infectious diseases. We also provide companion diagnostics for molecular target drug.

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SBI Pharma Co., Ltd.

ALA

Porphyrin

Heme

Cancer


Cosmetics


health food
(dietary supplements)

Medicine

SBI Pharmaceuticals is conducting research and development for the purpose of utilizing 5-ALA in the fields of cosmetics, health food, and medicine.

SBI Pharma Co., Ltd. Kawasaki Research institute has been established to provide innovative products in the fields of cosmetics, health food (dietary supplements), and medicine by utilizing 5-ALA (5-Aminolevulinic Acid), which can be mass-produced from the technology developed by COSMO OIL Co., Ltd. The aim of SBI Pharma Co., Ltd. is to enrich our lives through the development of innovative products using 5-ALA. The team at SBI Pharma Co., Ltd. will use its best efforts to meet the challenges in order to provide 5-ALA products to improve the lives of our customers.

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Manufacturing and sales of pharmaceuticals

Sumitomo Dainippon Pharma defines its corporate mission as "to broadly contribute to society through value creation based on innovative research and development activities for the betterment of healthcare and fuller lives of people worldwide". By pouring all our efforts into the research and development of new drugs, we aim to realize our corporate mission and provide innovative and effective pharmaceutical solutions to people not only in Japan but also around the world. Sumitomo Dainippon Pharma's goal is to create innovative pharmaceutical products in the focus research areas of Psychiatry & Neurology, Oncology and Regenerative Medicine/Cell Therapy.

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Sysmex Corporation

healthcare

diagnostics

hematology

blood

life science

personalized
medicine

Development, manufacture, sales and export/import of diagnostic instruments, reagents and related software.

Sysmex Corporation is headquartered in Kobe, Japan and provides equipment, reagents and clinical information systems necessary for *in vitro* diagnostic testing in more than 190 countries and regions around the world. Sysmex is a world leader in the field of hematology. As of January 2021, Sysmex has affiliated companies in about 40 countries and has established a global system for R&D, production, sales and after-sales support.

SkyFront Research Campus (SFRC) is one of Sysmex's facility, which is located in Life Innovation Center. SFRC was established to reinforce its R&D function of bioinformatics, such as genome analysis, which is one of the ways to analyze personal testing or diagnosis information comprehensively, and is essential to realize personalized medicine. SFRC is working on technologies such as medical AI, bio-simulation, complex systems theory and other leading-edge information technologies.

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Taiga Biotechnologies
Japan KK

Cell-Based
Immunotherapy

Immuno cell therapy

Immune Activation

Regenerative
Medicine


Solid Tumors


Infectious
Disease

QOL

With Taiga's core technology TBX-4000, we aim to develop Cell-Based Immunotherapy for solid tumors and infectious disease

Taiga Biotechnologies, Inc. (US headquarters) is a clinical stage global biotechnology company focused on harnessing the power of the immune system to fight solid tumors and infectious disease and on improving blood stem cell transplantation. We have begun clinical trials in US and Israel, and has successfully conducted a first-in-human safety and early efficacy pilot study in adults, covered by the regulations of the Japanese Ministry of Health, Labour and Welfare. We plan to offer self-pay treatments in affiliated clinic(s) in Japan in 2021. In the coming years, Taiga is aiming to launch clinical trials and clinical researches in Europe, Thailand and Japan. From our novel approach of liberating patients' own immune system, not only early signs of efficacy on tumors and infectious disease were observed, but also improvements of QOL by boosting overall immunity were seen. Due to these suggestions, we will also be focusing on prevention of illness, as well as "ME-BYO" or "mibyō", an asymptomatic state.

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Takara Bio Inc.

Biotechnology

Genetic
engineering

Regenerative
medicine products

CDMO

Gene therapy

Unmet medical needs


Cancer

THE BIOTECHNOLOGY COMPANY™

Based on the corporate philosophy of "Contributing to the health of humankind through the development of revolutionary biotechnologies such as gene therapy", Takara Bio aims to be a drug discovery company that continually creates new modalities (treatments) by developing platform technology for biologics discovery through our core businesses of research reagents/scientific instruments and CDMO services.

Since the launch of Japan's first restriction enzymes (reagents for genetic engineering research) in 1979, we provide high-quality products and services to universities and companies around the world in the fields of research support and CDMO (Contract Development and Manufacturing Organization) which handles development and production support for regenerative medicine products. In addition, we are engaged in the clinical development of gene therapy for cancer, etc. and are advancing the development of leading edge technologies, such as gene and cell therapies, to address unmet medical needs.

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