

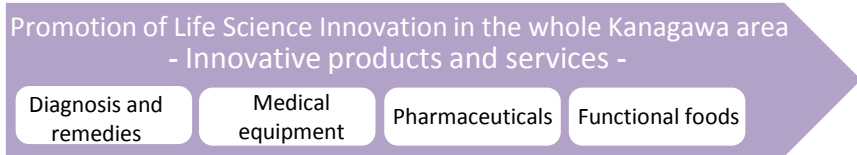


## Regional Innovation Strategy Support Program International Life Innovative Center of Kanagawa

Establishment of a center for the industrialization of innovative pharmaceutical products and medical equipment as well as creation of healthcare-related industries in the life science field.



This program is carried out with industry-academia-government collaboration of 11 organizations in Kanagawa prefecture as the Regional Innovation Strategy Support Program supported by MEXT since 2013. Kanagawa Academy of Science and Technology (KAST) is the center organization for general coordination. This program aims to (i) promote research and development that contribute to prevention / diagnosis / remedies of cancer, lifestyle disease and infection and (ii) evaluate food functionality and safety by utilizing accumulation of intellectual resources and industries in Kanagawa area. Through this program, development periods would be shortened and the probability of commercial success can be increased in the fields of pharmaceuticals, functional foods and medical equipment. Furthermore a platform for the continuous development of new products in the life sciences field would be established.



International Life Innovative Center

Establishment of innovative measurement and evaluation

International standardization of developed measurement and evaluation systems

- Development of systems for prevention, diagnosis, remedies and drug discovery for cancer, lifestyle and infectious diseases.
- Evaluation systems for functionality and safety of foods and ingredients to promote collaborations between the medical, nutritional, and agricultural field.
- Education and training for researchers and engineers to understand regulatory science.
- Open use of equipment and instruments of measurement and evaluation for nano-micro fabrication provided by four universities ( Keio Univ., Waseda Univ., Tokyo Tech, and Tokyo Univ.), and others.

### CONTENTS ( Four Menus )



#### Accumulation of intelligence for regional innovation strategy

**Menu 1** We gather researchers to promote the three categories indicated to the right to produce innovative systems of evaluation and measurement and new industries in the medical and healthcare field. We aim for the international standardization of established evaluation and measurement systems. We use and expand them as an innovative function of evaluation and measurement .

- I . Measurement and evaluation systems for diagnosis / drug discovery / remedies for cancer and life style disease
- II .Evaluation systems for functionality and safety of foods and ingredients to promote collaborations between the medical, nutritional and agricultural fields
- III. Methods of evaluation, prevention and remedies of bacteria and virus for countermeasures against infectious disease



#### Education and training for persons leading the practical use of life science

**Menu 2** Education for students of university and graduate school to play an important role as leaders in the medical and engineering fields related to regulatory science / Education for members of society to understand regulatory science and promote research and development.



#### Establishment of intellectual network by utilizing regional collaborations between industry, academia and government in Kanagawa prefecture

Allocate five regional coordinators to collaborate with related organizations and build up the medical-engineering platform in the whole area of Kanagawa prefecture



#### Open use of research equipment and instruments provided by regional universities and research organizations

Open use of equipment and instruments provided by 4 universities and KAST for micro-nano fabrications to promote new entry of small companies in the life science field

