

Main Efforts for the Creation of Regional Innovations

Achievements made by the regional science and technology promotion policies promoted in the past by the industry-academia-government collaboration are further advanced with the aim of establishing sustainable regional innovation systems.

Hokkaido University Research & Business Park

Development of "health care innovations" such as the formation of an "integrated center for health science and medical technology" focusing on the functionalities of food

The Hokkaido University Research & Business Park, which is comprised of 16 institutes engaged primarily in life science research, has been conducting the creation of health science industry by forming a hub for analysis and evaluation of functionalities of food by enhancing added values of regional foodstuffs through Sapporo Bio-cluster "Bio-S".

From Fiscal 2012, these efforts will be further strengthened and expanded globally, and Hokkaido's uniqueness and advantages as well as accumulated knowledge and technologies will be put to maximum use for the promotion of "health innovation" aimed at maintaining, promoting and restoring the general health conditions of people. To achieve such purposes, the Hokkaido University Research & Business Park strives to develop world-leading medical technologies and medicines, to integrate health science and medical technology with the focus on bio-functionalities of food, and to promote medical tourism and fitness.



Hokkaido University Research & Business Park

Nagano Super Module Supply Hub for Next-Generation Industries (Nagano Prefecture Region)

Creation of innovation from designs of synergetic-effect and dual-wheels-drive, by research-seeds-oriented and market-needs-oriented industry-academia-government collaboration systems

The research-seeds-oriented industry-academia-government collaboration support system, which combines "material technology seeds of knowledge-rich institutions such as Shinshu University" and "Nagano Prefecture's acclaimed ultra-precision technology," was added with a "market-needs-oriented product commercialization promotion system" for the development of medical modules/equipment that meet the clinical medical needs of university hospitals and others. The revamped industry-academia-government collaboration support system aims to accelerate the establishment of the "Nagano Super Module Supply Hub for Next-Generation Industries" in the greater Nagano Prefecture. This region is focused on promoting international activities, such as sales of superb technologies possessed by regional companies, as represented by "ultrahigh-speed PCR", "high-sensitivity clinical examination systems utilizing fluorescent magnetic beads", and other medical equipment developed and commercialized in the region. Moreover the establishment of a network connecting to overseas universities and research organizations, with the aim of creating an internationally competitive center for the medical equipment industry are added to our focus.

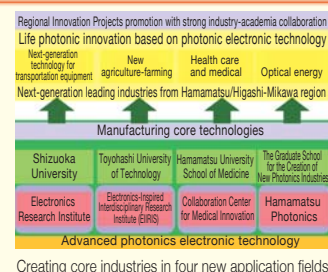


Market development for regional companies' products at MEDICA 2011 (Germany)

Hamamatsu/Higashi-Mikawa Life Photonic Innovation

"Life Photonic Innovation" Based on Advanced Photonics and Electronics Technology in Hamamatsu and Higashi-Mikawa Area

"Life Photonic Innovation" develops "future technology for transportation", "health care and medical industry", "optronics" and "new agriculture-farming" in order to promote safe, comfortable and sustainable society realizing QOL(quality of life) by industry academia collaboration with the aid of government and finance companies.



Fukuoka Next-Generation Social System Creation Hub

Promotion of the progression of regional new growth industries by implementing social-needs-directed development.

This region aims to organize an innovation hub which powerfully leads the further development of the Japanese economy by strengthening the international competitiveness of the new growth industries such as advanced semiconductor, biotechnology, nanotechnology, automobile, hydrogen energy, robotic, information content, and low carbon society which they have been engaged, and they also try to introduce transnational powers to Fukuoka mainly from Asia.

To meet the challenge of various problems the world faces today such as highly informative, low-carbon, and longevity society, and to create innovation continuously, this region is actively engaged in the development of various Next-Generation Social Systems which can solve those problems, and also work on the establishment of "Society-leading R&D model". In addition, by going forward with the global standardization of research and development results, they aim at organizing of "Fukuoka Next-Generation Social System Creation Hub" as a world-class innovation center that will lead Asian countries.

