

## ■ Tohoku Medical Megabank Organization

### Mission

Contribution to a creative reconstruction in the Tohoku Region through :

- Building a new type of biobank based on long-term follow up of medical and health information by large-scale cohort studies and genome information in the Great East Japan Earthquake disaster area
- Establishment of an advanced medical system and a research center through cultivation of highly specialized human resources
- Improvement of shortage of medical practitioners by effective utilization of medical resources and implementation of advanced genome medicine

## ■ Division of Engineering and Technical Staff

### Mission

The division organizes engineering and technical staff for academic studies and provides coordinated support to strengthen the infrastructure for education and research activities of Tohoku University. To this end, it promotes skill development and appropriate job assignment of the engineering and technical staff.

## ■ Institute of Liberal Arts and Sciences

### Mission

To provide students with a well-rounded education, the Institute of Liberal Arts and Sciences collaborates with the Center for the Advancement of Higher Education to implement and support liberal arts and general science education. Accordingly, the Institute of Liberal Arts and Sciences contributes to the cultivation of specialized human resources with a creative spirit and high level problem-solving skills.

## ■ Micro System Integration Center ( $\mu$ SIC)

### Mission

As an R&D center for integration of micro-systems, we aim, through cooperation with industry, to promote the development of micro-system integration techniques, and to contribute to the strengthening of Japan's international competitiveness in the field of integrated circuits. In addition, we aim to apply the technologies in diverse fields such as information-communication, manufacturing, and medicine.

## ■ Center for Spintronics Integrated Systems

### Mission

This center aims to contribute to the realization of a low-carbon and energy-saving society and to the strengthening of international competitiveness in the field of next generation VLSIs, through the development of innovative energy-saving logic VLSIs that fuse spintronics devices and logic-integrated circuits under the collaboration among industries, universities and government focusing on these technologies.

## ■ Research Organization of Electrical Communication

### Mission

The Research Organization of Electrical Communication contributes to the prosperity of information communication and electronics industries located in the disaster areas of Tohoku by convening the wisdom of researchers and technical experts in the fields of electricity, communication and electronics of our university, through the construction of a disaster-resilient information communication network, and through the world leading innovative research development. The organization further contributes to the creation of new industries in our country in the fields of new information communication and electronics, promoting strategic research responding to social issues and contributing to community and national policy, and to the promotion of industry-academia collaborative research.

## ■ Center for Collaborative Research on Materials Science

### Mission

As a base of research and development of materials science, and through the cooperation with Shanghai Jiao Tong University, the Center for Collaborative Research on Materials Science promotes joint research in the field of materials science, and while investing in the training of leaders and in the production of research results on highest world standard, the Center contributes to the development of science and industrial technology.