

## Purpose of Establishment

The Center for Fundamental Research (CRF) supports the development of human resources and the research activity of the university by providing young researchers with a place where they discover original and budding research issues based on their own academic interests and feel the importance of promoting research while being conscious of social expectations and responsibilities.

## Organization

The CFR consists of two Academies, the Specialized Academies and Comprehensive Academy. We are currently fostering young researchers in three research fields in the Specialized Academies. In addition, the Comprehensive Academy provides training sessions for assistant professors who have been recently appointed to the position to define their own research themes from a long-term perspective and to encourage exchanges among others in other research fields.



### Specialized Academy for Cell Science

Headmaster : Honorary Prof. Yoshinori Ohsumi

We aim to develop outstanding researchers for the future in the field of cell science. We support the development of basic research by providing a place where young researchers discover research issues in cell science from their own academic interests in a relaxed research environment and they fully conduct hypothesis planning and testing.

### Specialized Academy for Quantum Computing

Headmaster : Prof. Emeritus Hidetoshi Nishimori

We will train young researchers who want to understand the basic theory of quantum annealing and the physical phenomena related to quantum mechanics. From a long-term perspective, we aim to develop new fields that will blossom in 10 or 20 years, creating an environment in which we can conduct world-leading research, thereby enriching people's lives, culture, and society.

### Specialized Academy for Organic Chemistry

Headmaster : Honorary Prof. Keisuke Suzuki

I have studied organic synthetic chemistry (microarchitecture with carbon atoms as the basic unit) for more than 40 years, but I have not yet mastered the art and would like to continue to study it. I would like to set up a place for those who are interested in this basic study itself as well as for those who want to make use of it for their own themes. I also would like to make the place where they get together to learn and exchange opinions as scholars.

### Comprehensive Academy

Headmaster : Prof. Emeritus Munetaka Akita  
Honorary Headmaster : President and CEO Naoto Ohtake

We support the development of human resources and research activities of the university by providing a place for junior faculty members to discover original and budding research ideas based on their own academic interests, regardless of their field of study, and to feel firsthand the importance of promoting research while being aware of social expectations and responsibilities. A three-month training session are held for assistant professors invited as members. They are significantly exempted from their regular duties during their membership period and will be given time to think about future research topics. In addition, through the training sessions, they create research themes from a long-term perspective while discussing with colleagues in different fields of expertise, and developing collaborative researches among themselves.