

Niigata University

Collaborators: Chubu University
 Participators : Tohoku University, Osaka University, QST, Aarhus University, IISc, University of Bordeaux

Summary

Vision for the next 10 years

- ◆ We will focus on the key research areas of “Brain and Life” and “Food and Health”, **producing research outcomes** that the local community relies on and **that contribute globally**, while also **ensuring their practical application in society**.
- ◆ By **collaborating with domestic and overseas research institutions**, we will establish three centers and seven laboratories, creating an environment where outstanding researchers gather and thrive.
- ◆ To achieve these goals, we will establish an attractive workplace where highly specialized personnel or **UAs (University Administrators)** can **work in tandem with administrative staff** and where each faculty and staff member can **maximize their abilities** through a collaborative separation of academic affairs and management.

Integrating “global competitiveness” with “distinctive research domains” to define our key research focus

“Brain and Life”

Research on neurological disorders, regenerative medicine, etc.

“Food and Health”

Research on stress-resistant Koshihikari rice, research on food taste and functional foods, etc.

R&I Strategy 2



Human Bioresource Complex Center

Tohoku U Biobank



AI Math. & Info. Collaboration Center

Chubu U AI / Math

IISc Information Science



ELSI Collaboration Center

Osaka U ELSI

QST Drug Discovery Innovation

Aarhus U Neuroscience

U of Bordeaux Wine Science

Jointly operated laboratories

Reinvest for new domains and expansions

Enhance integrated institutional research

Set priority areas through outcome evaluation

Clarify processes and strategies through benchmark comparison

Center for Human Brain Science & Health Innovation (Tentative name)



2022 project (revised)

Advancing and strengthening R&I as two core pillars

Research Strengthening Promotion Headquarters (Presidentially-Directed)

R&I Strategy 1

Strengthen **organizational management** for structuring and outcome generation

- Organizational management
- R&I collaboration via special zone
- Strategic IP and PR management

R&I Strategy 4

Build strategic **leap programs**

- During Phase 2, select four projects and assign PDs
- Leverage R&I Strategies 1-3 and make focused investments

R&I Strategy 2

Strengthen **growth and future academic fields**

- Human Bioresource Complex Center
- AI Math & Info Collaboration Center
- ELSI Collaboration Center

R&I Strategy 3

Strengthen **collaboration** with domestic and overseas universities

- Japan: Chubu U*, Tohoku U, Osaka U, QST
- Overseas : Aarhus U, U of Bordeaux, IISc

Outcome

High-level Talent Utilization Strategy

- Enhance the environment for **junior researchers** and graduate students to thrive.
- Strengthen the capacity of **UAs** for external development.
- **Promote the active participation of administrative staff** in collaboration.

- Early-career researchers: Career support program
- Doctoral Researchers: Interdisciplinary degree program

- Highly specialized personnel: Restructuring UA and enhancing admin specialist roles
- University process DX: Securing researcher's time



