

Education and Research Programs (Amount granted: more than 10 million yen) Data as of July 1, 2021

MEXT: Ministry of Education, Culture, Sports, Science and Technology
 METI: Ministry of Economy, Trade and Industry
 JST: Japan Science and Technology Agency
 AMED: Japan Agency for Medical Research and Development

■ Promotion Plan for the Platform of Human Resource Development for Cancer (MEXT)

Funding Period	Partner Organizations	Program	Responsible Department
2017–2021	Sapporo Medical University Hokkaido University Asahikawa Medical University Health Sciences University of Hokkaido	Hokkaido Promotion Plan for the Platform of Human Resource Development for Cancer	Faculty of Medicine

■ Project for Enhancing the Human Resource Development Function at Universities, Graduate Schools and Affiliated Hospitals (Problem-Solving Oriented Training Program for Advanced Medical Personnel) (MEXT)

Funding Period	Partner Organizations	Project	Research Director
2019–2021	Hokkaido University Kyoto University Chiba University	Human Resource Development Specialized in Promoting the Use of Donated Cadaver in Clinical Medicine	SHICHINOHE Toshiaki, M.D., Ph.D. Associate Professor, Department of Gastroenterological Surgery II

■ Industry-Academia Joint Project of Human Resources Development for the Acceleration of AI Research Development in the Field of Healthcare (MEXT)

Funding Period	Partner Organizations	Project	Research Director
2020–2024	Tohoku University Hokkaido University Okayama University	Human Resources Development Program “Cutting Edge AI Research Development for the Solution of Global × Local Medical Problems”	KUDO Kohsuke, M.D., Ph.D. Professor, Department of Diagnostic Imaging

■ Activity in International Standardization in the Governmental Strategic Field (METI)

Funding Period	Project	Leader/R&D Chief
2020–2022	International Standardization Relating to the Data for the Prediction About Prognosis After Radiotherapy	SHIRATO Hiroki, M.D., Ph.D. Director, Global Center for Biomedical Science and Engineering

■ JST PRESTO

Funding Period	Program	Research Director
2021–2022	Inter-cell Interactions Responsible for Sleep and Hibernation	NORIMOTO Hiroaki, Ph.D. Associate Professor, Department of Cellular and Molecular Pharmacology

■ COI STREAM (JST)

Funding Period	Name of the Site	Leader
2013–2021	Innovative Food & Healthcare MASTER	Project Leader: YOSHINO Masanori, Hitachi, Ltd. Research Leader: TAMAKOSHI Akiko, M.D., Ph.D. Professor, Department of Public Health

■ Project for the Advancement of R & D and Strengthening of the Development System for Medical Devices and Related Products (AMED)

Funding Period	Program	Research Representative
2017-2021	Development of Intraoperative Prompt Therapeutic Decision Support System During Quantum Beam Surgery (QBS) and Surgical Operation After Radiotherapy	SHIRATO Hiroki, M.D., Ph.D. Director, Global Center for Biomedical Science and Engineering

■ Research Program on Emerging and Re-emerging Infectious Diseases (AMED)

Funding Period	Program	Research Representative
2020-2021	Establishment of an In Vivo SARS-CoV-2 Infection System That Can be Examined at P2 Facilities	FUKUHARA Takasuke, M.D., Ph.D. Professor, Department of Microbiology and Immunology

■ Advanced Research & Development Programs for Medical Innovation (AMED)

Funding Period	Program	Research Representative
2018-2021	Study on the Mechanism of Inflammatory Memory in Intestinal Regeneration	TANIGUCHI Koji, M.D., Ph.D. Professor, Department of Pathology
2018-2021	Study of the Cellular and Cell Adhesion Molecule Mechanisms Underlying Peripheral Nerve Axon Regeneration	KADOYA Ken, M.D., Ph.D. Specially Appointed Associate Professor, Department of Advanced Research for Locomotor System

■ Practical Research Project for Rare/Intractable Diseases (AMED)

Funding Period	Program	Research Representative
2020-2022	Early MRI Diagnosis of Amyotrophic Lateral Sclerosis using Stable Isotope of Oxygen-17	KUDO Kohsuke, M.D., Ph.D. Professor, Department of Diagnostic Imaging
2020-2022	Elucidation of the Pathogenesis and Risk Factors of Bullous Pemphigoid	UJIE Hideyuki, M.D., Ph.D. Professor, Department of Dermatology
2021-2023	An Investigator-initiated Clinical Trial of Spinocerebellar Ataxia Type 1 (SCA1) Gene Therapy Based on Molecular Mechanisms	YABE Ichiro, M.D., Ph.D. Professor, Department of Neurology

■ Practical Research for Innovative Cancer Control (AMED)

Funding Period	Program	Research Representative
2019-2021	Efficacy of Rikkunshito on Chemotherapy-Induced Nausea and Vomiting in Patients with Uterine Corpus or Cervical Cancer Treated with Cisplatin-Based Regimen - Placebo-Controlled, Double-Blind, Randomized Confirmatory Study	WATARI Hidemichi, M.D., Ph.D. Professor, Department of Obstetrics and Gynecology
2020-2022	Establishment of Standard Therapy for Acute Lymphoblastic Leukemia in Children	MANABE Atsushi, M.D., Ph.D. Professor, Department of Pediatrics
2020-2022	The Development of New Treatment of Superselective Intra-Arterial Infusion of Cisplatin and Concomitant Radiotherapy for Patients with Locally Advanced Maxillary Sinus Cancer	HOMMA Akihiro, M.D., Ph.D. Professor, Department of Otolaryngology-Head and neck Surgery

■ Research Program on Hepatitis / Program for Basic and Clinical Research on Hepatitis (AMED)

Funding Period	Program	Research Representative
2020-2022	Screening of Prognostic Biomarker by Comprehensive Serum and Liver Tissue Glycomics	SAKAMOTO Naoya, M.D., Ph.D. Professor, Department of Gastroenterology and Hepatology

■ Research Center Network for Realization of Regenerative Medicine
The Program for Technological Innovation of Regenerative Medicine (AMED)

Funding Period	Program	Research Representative
2020-2022	Development of Cell Therapy to Treat Combined Lumbar Canal Stenosis Using Highly-Pure Allogenic Bone Marrow-Derived Mesenchymal Stem Cells (REC)	SUDO Hideki, M.D., Ph.D. Specially Appointed Professor, Department of Advanced Medicine for Spine and Spinal Cord Disorders

■ Project for Cancer Research and Therapeutic Evolution (P-CREATE) (AMED)

Funding Period	Program	Research Representative
2020-2021	Study of Regulation of Tumor Heterogeneity by Biomaterial	TANAKA Shinya, M.D., Ph.D. Professor, Department of Cancer Pathology

■ Japan Program for Infectious Diseases Research and Infrastructure (AMED)

Funding Period	Program	Research Representative
2020-2022	Elucidation of Properties and Evolutionary Mechanisms of Virome Involved in Progression of Pathogenesis	FUKUHARA Takasuke, M.D., Ph.D. Professor, Department of Microbiology and Immunology

■ Special Expenditures (MEXT)

Funding Period	Faculties	Project	Leader
2021-2025	Faculty of Medicine	Project for the Promotion of Cause of Death Investigation and Comprehensive Human Resources Development through Multi-disciplinary Collaboration	HATAKEYAMA Shigetsugu, M.D., Ph.D. Dean