

# 14. Selection of Research / Education Programs

## 14-1. Selection of Research Programs

### The Center Project Selected for the First Time in FY2015

#### ■ Grants for Research Support System Development Projects

Project Name	Administration Director	Period
University Research Administrator Development Project (Development of a Research Administration System)	Executive Vice President and Senior Vice President, Masato Wakayama	FY2015-2016 (FY2012-2014)

#### ■ Human Resource Development Program for Science and Technology

Program Name	Project Director	Period
Initiative for Realizing Diversity in the Research Environment	President of Kyushu University, Chiharu Kubo	FY2015-2020

### The Center Project Selected for the First Time in FY2016

#### ■ Human Resource Development Program for Science and Technology

Program Name	Project Director	Period
Leading Initiative for Excellent Young Researchers	President of Kyushu University, Tatsuro Ishibashi	FY2016-2023

### The Center Project Selected for the First Time in FY2017

#### ■ Translational Research program; Strategic PRomotion for practical application of INnovative medical Technology (TR-SPRINT)

Project Topic Name	Project Manager	Period
Research and Development Project of Novel Medical Technologies to Aim Their Global Expansion through Linkage between Areas and Translational Research Hub	Director General, Center for Clinical and Translational Research, Koichi Akashi	FY2017-2021

#### ■ Human Resource Development Program for Science and Technology

Program Name	Project Director	Period
Enhancing Development of Global Entrepreneurs for the NEXT Generation (EDGE-NEXT) Entrepreneur Development Program based on Diversity and Creative Collaboration (IDEA: Innovation x Diversity x Entrepreneurship Education Alliance)	Faculty of Economics, Department of Business and Technology Management, Professor/Director General, Robert T. Huang Entrepreneurship Center, Megumi Takata	FY2017-2021

#### ■ Clinical R&D Promotion Program (Comprehensive Program for Improving Infrastructure to Promote Clinical Application of Innovative Medical Seeds)

Project Topic Name	Project Manager	Period (Planned)
Acceleration of Innovative Medical Technology Development by Strengthening and Streamlining of Support Systems	Director General, Center for Clinical and Translational Research, Koji Todaka	FY2017-2024

### The Center Project Selected for the First Time in FY2018

None

### The Center Project Selected for the First Time in FY2019

#### ■ Human Resource Development Program for Science and Technology

Program Name	Project Director	Period
Initiative for Realizing Diversity in the Research Environment (Vanguard)	President of Kyushu University, Tatsuro Ishibashi	FY2019-2024

### The Center Project Selected for the First Time in FY2020

#### ■ Moonshot-type Research & Development Project

Research & Development Project Name	Project Manager	Period
"Beyond Zero" Research & Development Aimed at a CO <sub>2</sub> Circulation System Society	International Institute for Carbon-Neutral Energy Research, Chief Professor, Shigeaki Fujikawa	FY2020-2029

• Programs selected for the first time from FY2015 onward are listed.

Source: Each Department

Overview and Comparisons with Other Universities  
 Number of Faculty and Staff Members  
 Number of Students  
 Admissions  
 Enrollment  
 Graduate Degrees Conferred  
 Career Paths and Employment Status  
 Success in Qualification Examinations  
 Research  
 International  
 Industry-University-Government Collaboration  
 University Hospital  
 Income and Expenditure  
 Selection of Research/Education Programs

## 14-1. Selection of Research Programs (Continued)

### ■ World Premier International Research Center Initiative (WPI) Academy Project Acceleration and Expansion

Institution Name	Director	Period
International Institute for Carbon-Neutral Energy Research	Professor, Petros Sofronis	From FY2020 onward

### The Center Project Selected for the First Time in FY2021

#### ■ Human Resource Development Program for Science and Technology

Program Name	Project Director	Period
Initiative for the Implementation of the Diversity Research Environment (Survey and Analysis)	President of Kyushu University, Professor, Tatsuro Ishibashi	FY2021-2022

#### ■ Advanced Research Infrastructure for Materials and Nanotechnology

Institution Name	Person in Charge of Implementation	Period
Center for Innovative Materials DX	The Ultramicroscopy Research Center, Professor, Yasukazu Murakami	FY2021-2030

#### ■ Center for Advancing Translational Research (CATR)

Research & Development Project Name	Director	Period
Realization Hub for Biomedical Innovation	Senior Vice President, Koichi Akashi	December 20, 2021 onward

### The Center Project Selected for the First Time in FY2022

#### ■ Translational Research Program

Project Topic Name	Project Manager	Period
Multidisciplinary, Multidomain, Multiregional Research and Development Integration of New Medical Technologies from Japan	Senior Vice President, Koichi Akashi	FY2022-2023

#### ■ Clinical R&D Promotion Program (Comprehensive Program for Improving Infrastructure to Promote Clinical Application of Innovative Medical Seeds) (Advanced Clinical Research Environment Infrastructure Development Program)

Project Topic Name	Project Manager	Period
Establishing a Decentralized Clinical Trial Infrastructure with a Standardized Electronic Worksheet as its core, from both Systems and an Operational Perspective	Director General, Center for Clinical and Translational Research, Koji Todaka	July 1, 2022 - March 31, 2023

#### ■ Translational Research Program

##### (Project for Promotion of Interdisciplinary Collaborative Research and Developmental Initiatives)

Project Topic Name	Project Manager	Period
Establishment of the Transdisciplinary Research Platform based on "Integrative Knowledge"	Senior Vice President, Koichi Akashi	June 1, 2022 - March 31, 2025

#### ■ JST START

Program Name	Project Director	Period
University Ecosystem Promotion Type (Supporting Creation of Startup Ecosystem in Startup Cities)	Open Innovation Platform (OIP), Vice President/ Assistant Department Head of the OIP, Professor, Shinji Ohnishi	June 15, 2022 - March 31, 2027

#### ■ Moonshot-type Research & Development Project

Research & Development Project Name	Project Manager	Period
Creating A Society Whose Citizens' Health is Monitored by Remote Control of Intracellular Cybernetic Avatars	Faculty of Engineering, Professor, Yoko Yamanishi	From FY2022 onward

• Programs selected for the first time from FY2015 onward are listed.

Source: Each Department

## 14-2. Selection of Education Programs

### The Center Project Selected for the First Time in FY2011

Program Name	Department Responsible	Initiative Name	Initiative Period
Subsidy Program for the Development of Centers for Training Policymakers etc.	Center for Science, Technology and Innovation Policy Studies	Science for RE-designing Science, Technology and Innovation Policy (SciREX) Project to Develop Hub Institutions for Fundamental Research and Human Resource Development	FY2011-2025

### The Center Project Selected for the First Time in FY2014

Program Name	Department Responsible	Initiative Name	Initiative Period
Top Global University Project	University-Wide	Strategic Hub Area for Top-Global Research and Education (SHARE-Q)	FY2014-2023

### The Center Project Selected for the First Time in FY2015

None

### The Center Project Selected for the First Time in FY2016

Program Name	Department Responsible	Initiative Name	Initiative Period
Re-Inventing Japan Project	Interdisciplinary Graduate School of Engineering Sciences	Cooperational Graduate Education Program for the Development of Global Human Resources in Energy and Environmental Science and Technology-A New Challenge	FY2016-2020
	Graduate School of Human-Environment Studies	Cooperative Educational Program for Fostering Human Resources to Lead Development of Sustainable Urban and Architectural Environment in Asia	FY2016-2020

### The Center Project Selected for the First Time in FY2017

Program Name	Department Responsible	Initiative Name	Initiative Period
Project for Human Resource Development of Advanced Medical Innovation	Graduate School of Medical Science, Graduate School of Pharmaceutical Sciences	Kyushu Promotion Plan for the Platform of Human Resource Development for Cancer	FY2017-2021
Project of Human Resource Development for Nuclear Energy	Faculty of Engineering	Enhancement of Kyushu University Nuclear Engineering Curriculum with Emphasis on Regulations and Comprehensive Thinking	FY2017-2021

### The Center Project Selected for the First Time in FY2018

Program Name	Department Responsible	Initiative Name	Initiative Period
Training Data Scientists to Realize a Super-Smart Society	Graduate School of Information Science and Electrical Engineering	Advanced Data Science Education Program Minor by the Kyushu Consortium	FY2018-2022

### The Center Project Selected for the First Time in FY2019

Program Name	Department Responsible	Initiative Name	Initiative Period
Joint Usage Education Center	Faculty of Arts and Science	Institution for Center for the Future Development of Education	FY2019-2023

### The Center Project Selected for the First Time in FY2020

Program Name	Department Responsible	Initiative Name	Initiative Period
Plus-DX (a Plan for Universities/Colleges Aiming for a Smart-Campus through Digital Transformation in the Current/Post COVID-19 Crisis)	Learning Analytics Center	Kyushu University, "Educational DX" - Implementation of Learner-Centered Learning, based on Learning Analytics. We will Promote Educational DX for Kyushu University	FY2020-2021
	Innovation Center for Educational Resource	Kyushu University "DX in Education" Project -Improving the Quality of Learning through the Use of Advanced ICT-	FY2020-2021

• Programs selected for the first time from FY2015 onward are listed. Programs before that time are also listed, if still continuing.

Source: Each Department

## 14-2. Selection of Education Programs (Continued)

### The Center Project Selected for the First Time in FY2020 (Continued)

Program Name	Department Responsible	Initiative Name	Initiative Period
Inter-University Exchange Project	Graduate School of Engineering	An Innovative Program for Development of Core Human Resources for Smart Mining to Lead Sustainable Resource Development in Southern Africa (*Representative University: Akita University, Affiliated University: Kyushu University)	FY2020-2024
WISE Program (Doctoral Program for World-Leading Innovative & Smart Education)	Graduate School of Mathematics	Graduate Program of Mathematics for Innovation (GPMI)	FY2020-2026
JST, the Establishment of University Fellowships towards the Creation of Science Technology Innovation	Graduate Schools of Information Science and Electrical Engineering, Engineering, Sciences, and I <sup>2</sup> CNER	Kyushu University Innovator Fellowship	FY2020-2027

### The Center Project Selected for the First Time in FY2021

Program Name	Department Responsible	Initiative Name	Initiative Period
Project to Foster Highly Specialized Human Resources Driving Industry DX by Integrating Digital and Specialized Fields	School of Agriculture, Graduate School of Bioresource and Bioenvironmental Sciences	DNA Human Resource Development Program to Drive DX in Agriculture, Livestock, Fisheries, Food and Biotechnology Industries in the near Future (DNA: Digital Native in Agriculture)	FY2021-2022
Project for Training Medical Personnel to Handle New Healthcare in the COVID-19 Era	School of Dentistry, School of Pharmaceutical Sciences	Kyushu University Project for Training Medical Personnel to Handle New Healthcare in the Covid-19 Era	FY2021-2022
Inter-University Exchange Project	Interdisciplinary Graduate School of Engineering Sciences	Cooperational Graduate Education Program for the Development of Global Human Resources in Energy and Environmental Science and Technology - Expansion to ASEAN -	FY2021-2025
	Graduate School of Human-Environment Studies	Cooperative Educational Program for Fostering Human Resources to Lead Sustainable Development of Recycle-Based Zero-Emission Urban and Architectural Environment in Asia	FY2021-2025
Approved Program for Mathematics, Data Science and AI Smart Higher Education (Literacy Levels)	Education and Research Center for Mathematical and Data Science	Kyushu University Data Literacy Program	FY2021-2025
Support for Pioneering Research Initiated by the Next Generation	University-Wide	Open Platform Fostering System for Ph.D. Students Who will Open up the Future	FY2021-2027

### The Center Project Selected for the First Time in FY2022

Program Name	Department Responsible	Initiative Name	Initiative Period
Approved Program for Mathematics, Data Science and AI Smart Higher Education (Advanced Literacy Levels)	Education and Research Center for Mathematical and Data Science	Kyushu University Data Literacy Program (Advanced Literacy Levels)	FY2022-2026
Project for Designing Graduate Programs Emphasizing Digital Literacy across Diverse Fields; X Program	Graduate School of Humanities	Establishing a Graduate Program in Digital Humanities Centered on Well-Being	FY2022-2027

### The Center Project Selected for the First Time in FY2023

Program Name	Department Responsible	Initiative Name	Initiative Period
Recurrent Education Platform Development Support Project through Industry-Academia-Government Collaboration to Meet Local Needs	Open Innovation Platform (OIP)	Recurrent education platform construction project aimed at accumulating human resources for business growth in Fukuoka Prefecture	FY2023
Training Program for Next-Generation Health Professionals with Cancer Care	Faculty of Medical Sciences	Training Program for Next-Generation Health Professionals with Cancer Care in Kyushu	FY2023-2028
Acceleration Program for Reorganization of Universities and KOSEN	Faculty of Information Science and Electrical Engineering, Graduate School of Information Science and Electrical Engineering	Kyushu University Open-Education Project on Advanced Information Science and Technology	FY2023-2032

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Source: Each Department