

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Australia	Open Partnership	Joint Research	Ryo FUJIMOTO	Kobe University・Graduate School of Agricultural Science・Associate Professor	Elizabeth S DENNIS	CSIRO (Commonwealth Scientific and Industrial Research Organization)・Agriculture・Stream leader	Elucidating the mechanism of hybrid vigor controlled by DNA methylation in Brassicaceae	2017/10/1	2019/9/30
Australia	Open Partnership	Joint Research	Minoru FUJII	Kobe University・Graduate School of Engineering・Professor	Simon RINGER	University of Sydney・Professor	Atomic scale analysis of dopant distribution in colloidal silicon quantum dot	2018/4/1	2020/3/31
Australia	Open Partnership	Joint Research	Akira MIDORIKAWA	Chuo University・Faculty of Letters・Professor	Olivier PIGUET	The University of Sydney・Brain and Mind Centre・Professor	A comprehensive studies of “positive” behavioural changes of patients with dementia	2018/4/1	2020/3/31
Australia	Open Partnership	Joint Research	Toshiyuki MORI	National Institute for Materials Science・Center for Green Research on Energy and Environmental Materials・Managing researcher	Ajayan VINU	University of South Australia・Division of Information Technology, Engineering and the Environment・Professor	Design of interface in the fuel cell and fabrication of high quality fuel cell device for radical innovation in fuel cell field	2018/4/1	2020/3/31
Australia	Open Partnership	Joint Research	Norimasa OZAKI	Osaka University・Graduate School of Engineering・Associate Professor	Andrei V. RODE	The Australian National University・Research School of Physics and Engineering・Professor	Ultrafast XFEL probe of laser induced microexplosion and quench of new materials	2018/4/1	2020/3/31
Australia	Open Partnership	Joint Research	Tsuyohiko FUJIGAYA	Kyushu University・Graduate School of Engineering・Associate Professor	John ANDREWS	RMIT University・School of Engineering・Professor	A novel electrochemical energy-storage device based on a reversible hydrogen fuel cell	2018/4/1	2020/3/31
Australia	Open Partnership	Joint Research	Jie TANG	National Institute for Materials Science・Center for Green Research on Energy and Environmental Materials・Group Leader	Zhenxiang CHENG	University of Wollongong・Australian Institute of Innovative Materials・Professor	Study on the Mechanism of Mn-based electrode reaction in Li Ion Battery	2018/4/1	2020/3/31
Australia	Open Partnership	Joint Research	Satoshi IMURA	ROIS・National Institute of Polar Research・Professor	Sharon Anita ROBINSON	University of Wollongong・School of Biological Sciences・Senior Professor	Japan-Australia joint research on environmental change recorded in the vegetation core in Antarctica	2019/4/1	2021/3/31
Australia	Open Partnership	Joint Research	Keitaro TAKAHASHI	Kumamoto University・Faculty of Advanced Science and Technology・Associate Professor	Rachel WEBSTER	Melbourne University・Department of Physics・Professor	Observation of 21cm radiation from neutral hydrogen during Epoch of Reionization by cross correlation with Lyman-alpha galaxies	2019/4/1	2021/3/31
Australia	Open Partnership	Joint Research	Takeshi MORITA	The University of Tokyo・Graduate School of Frontier Sciences・Professor	Tien-Fu LU	Univ. of Adelaide・Senior Lecture	Non-sinusoidal shaped high-power ultrasonic power generation excited by multi-modal ultrasonic transducer and its applications	2019/4/1	2020/3/31
Australia	Open Partnership	Joint Research	Masahiro FUJITA	Sophia University・Faculty of Science and Technology・Associate Professor	Maria FORSYTH	Deakin University・Institute for Frontier Materials・Professor	Development of all solid-state rechargeable devices by using organic ionic plastic crystals	2019/4/1	2021/3/31
Australia	Open Partnership	Seminar	Koichi FUKASE	Osaka University・Graduate School of Science・Professor	Nicolle Hannah PACKER	Macquarie University・Department of Molecular Sciences, Faculty of Science & Engineering・Distinguished Professor	Japan-Australia Joint Seminar on 2nd Australasian Glycoscience Symposium	2019/9/14	2019/9/17
Austria	Austrian Science Fund	Joint Research	Tsukasa YOSHIDA	The National University Corporation Yamagata University・Graduate school of science and engineering・Professor	Philipp STADLER	Johannes Kepler University Linz・Institute of Physical Chemistry・Assistant Professor	Sustainable Catalysis (SusCat)	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Austria	Austrian Science Fund	Joint Research	Miyuki KOISO	Kyushu University•Institute of Mathematics for Industry•Professor	Udo HERTRICH-JEROMIN	Technische Universitaet Wien•Faculty of Mathematics and Geoinformation, Institute of Discrete Mathematics and Geometry•Professor	Geometric Shape Generation	2018/4/1	2020/3/31
Austria	Austrian Science Fund	Joint Research	Satoshi SHIMANO	Hosei University•Science Research Center•professor	Tobias PFINGSTL	University of Graz•Institute of Zoology•lecturer, scientific project leader	From land to sea: evolutionary domain transitions in marine associated oribatid mites (Arachnida, Acari).	2018/4/1	2020/3/31
Austria	Austrian Science Fund	Joint Research	Takayuki KOHCHI	Kyoto University•Graduate School of Biostudies•Professor	Frederic BERGER	Gregor Mendel Institute•Chromatin architecture and function group•Senior Group Leader	Analyzing the role of chromatin remodeling in cell fate determination	2019/4/1	2021/3/31
Austria	Austrian Science Fund	Joint Research	Kumiko KATO	Nagoya University•Graduate School of Humanities•Professor	Roger CASAS RUIZ	Institute for Social Anthropology, Austrian Academy of Sciences•Scientific Employee (Postdoctoral Researcher)	Religion, Economy and Gender in the Upper Mekong Region: Anthropological and Historical Perspectives	2019/7/1	2021/6/30
Austria	Austrian Science Fund	Seminar	Haruka OBA	Kurume University•Faculty of Literature•Associate Professor	Arno STROHMEYER	Austrian Academy of Sciences/University of Salzburg•Institute of Modern and Contemporary History/Modern History•Director of Research and Deputy Director/ Professor	Japan and the Ottoman Empire in the Eye of the European Beholder.A Comparison	2019/5/31	2019/6/3
Bangladesh	Open Partnership	Joint Research	Kimiyo KIKUCHI	Kyushu University•Institute of Decision Science for a Sustainable Society•Lecturer	Rafiqul ISLAM	Grameen Communications•Global Communication Center•Director	Study on maternal and child healthcare system using ICT in Bangladesh	2019/4/1	2021/3/31
Bangladesh	University Grants Commission	Joint Research	Takeshi MIZUNO	SAITAMA UNIVERSITY•Graduate School of Science and Engineering•Professor	Md. Emdadul HOQUE	Rajshahi University of Engineering & Technology•Department of Mechanical Engineering•Professor	Development of next-generation energy saving vibration isolation system using magnetic suspension system	2018/4/1	2020/3/31
Bangladesh	University Grants Commission	Joint Research	Bidyut SAHA	Kyushu University•International Institute for Carbon-Neutral Energy Research•Professor	Mahfuza Sharifa SULTANA	Jahangirnagar University•Department of Environmental Sciences•Professor	Physiochemical study to determine the impact of salinity of soil property and agro produce of delta region and its remediation	2018/10/1	2020/9/30
Belarus	Open Partnership	Joint Research	Satoshi MIHARA	High Energy Accelerator Research Organization•Institute of Particle and Nuclear Physics•Professor	Dzmitry SHOUKAVY	National Academy of Science of Belarus•B.I. Stefanov Institute of Physics•Leading and Research Fellow	Study on the background in search for muon lepton flavor violating decay	2018/4/1	2020/3/31
Belgium	Fonds de la Recherche Scientifique-FNRS	Joint Research	Tetsuhide SHIMIZU	Tokyo Metropolitan University•Graduate School of System Design•Assistant Professor	Stephanos KONSTANTINIDIS	University of Mons•Faculty of Science•Lecturer, Research associate of the National Fund for Scientific Research	“UpRISING”, Understanding the growth mechanisms of transition metal oxide thin films synthesized by Reactive Sputtering	2018/4/1	2020/3/31
Belgium	Fonds de la Recherche Scientifique-FNRS	Joint Research	Airo HINO	Waseda University•Faculty of Political Science and Economics•Professor	Francois FORET	Universite Libre de Bruxelles•Centre d’Etude de la vie politique (CEVIPOL)•Director	Policy formation and pursued values in multilevel polities	2018/4/1	2020/3/31
Belgium	Fonds de la Recherche Scientifique-FNRS	Joint Research	Manabu KANNO	Tohoku University•Graduate School of Science•Assistant Professor	Francoise REMACLE	University of Liege•Professor	Ultrafast photoinduced molecular dynamics	2019/4/1	2021/3/31
Belgium	Fonds de la Recherche Scientifique-FNRS	Joint Research	Shoko HOSOI	USP•Environmental Science•associate professor	Karine Van DONINCK	University of Namur•Department of Biology•Full Professor	Lake Biwa (Japan): a Corbicula biodiversity and hybridization hotspot	2019/4/1	2021/3/31
Belgium	The Research Foundation – Flanders	Joint Research	Takanori MARUTA	Shimane University•Faculty of Life and Environmental Science•Associate professor	Frank VAN BREUSEGEM	Ghent University/ the Flanders Institute for Biotechnology (VIB)•Department of Plant Systems Biology•Professor	Genetic framework for oxidative stress signaling in plants	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Belgium	The Research Foundation – Flanders	Joint Research	Franco NORI	RIKEN•Center for Emergent Matter Science•Group Director	Vyacheslav MISKO	University of Antwerp•Physics Department•Doctor–assistant, “Odysseus” Team Leader	Self–propelled Janus microswimmers in channels: The effect of corrugated and flexible boundaries	2018/4/1	2020/3/31
Belgium	The Research Foundation – Flanders	Joint Research	Tadashi ISA	Kyoto University•Graduate School of Medicine•Professor	Wim VANDUFFEL	Katholic University Leuven•Faculty of Medicine•Professor	Neural mechanism of perceptual learning	2019/4/1	2021/3/31
Belgium	The Research Foundation – Flanders	Joint Research	Vasyl YOSCHENKO	Fukushima University•Institute of Environmental Radioactivity•Project Professor	Nele HOREMANS	Belgian Nuclear Research Centre SCK–CEN•Head of Unit	Studying the underlying mechanisms behind the morphological abnormalities observed in plants after the Fukushima accident: does epigenetics play a role?	2019/4/1	2021/3/31
Bhutan	Open Partnership	Joint Research	Yoshiaki TAKAHASHI	Nakasone Yasuhiro Peace Institute•Department of Research•Senior Research Fellow	Karma URA	Centre for Bhutan Studies and GNH Research•President	Rebalance between Economic Development and Happiness in Bhutan	2018/4/1	2020/3/31
Bolivia	Open Partnership	Joint Research	Yusaku KATAYOSE	Yokohama National University•Faculty of Engineering•Associate professor	Hugo Marcelo RIVERA BRETTEL	Universidad Mayor de San Andres•FACULTY OF PURE AND NATURAL SCIENCES•Lecturer	Search for 100 TeV gamma–ray sources and measurement of cosmic ray spectra and study of the high energy astrophysical phenomena	2018/4/1	2020/3/31
Bolivia	Open Partnership	Joint Research	Yoshihiro ASAOKA	NIHON UNIVERSITY•College of Engineering•Associate Professor	Javier MENDOZA	Higher University of San Andres•Institute of Hydraulics and Hydrology•Professor	Development of Water Resources Forecasting System Considering Meltwater from Tropical Glaciers	2019/4/1	2021/3/31
Brazil	Coordenacao de Aperfeicoamento de Pessoal de Nivel Superior	Joint Research	Kazuhiko OHASHI	Hokkaido University•Faculty of Veterinary Medicine•Professor	Itabajara DA SILVA VAZ JUNIOR	Federal University of Rio Grande do Sul•Veterinary Faculty•Professor	Creating the international joint research basis for the identification of molecular targets for the development of a new tick control method	2018/4/1	2020/3/31
Brazil	Coordenacao de Aperfeicoamento de Pessoal de Nivel Superior	Joint Research	Hideyuki SUZUKI	The University of Tokyo•Graduate School of Engineering•Professor	Alexandre Nicolaos SIMOS	University of San Paulo•Polytechnic School•Associate Professor	Development of a new solution of floating offshore wind turbine for Brazilian waters – Jappaku FOWT	2018/4/1	2020/3/31
Brazil	Coordenacao de Aperfeicoamento de Pessoal de Nivel Superior	Joint Research	Kentaro SAJI	Kobe University•Graduate School of Science•Associate professor	Farid TARI	University of Sao Paulo•Institute of Mathematics and Computer Sciences•Professor	Singularity Theory and Mathematics in Industry: a project for fostering young researchers	2019/4/1	2021/3/31
Brazil	Coordenacao de Aperfeicoamento de Pessoal de Nivel Superior	Joint Research	Nobuaki HAMAGUCHI	Kobe University•Research Institute of Economics and Business Administration•Professor	Danielly SILVA RAMOS BECARD	University of Brasilia•Institute of International Relations•Associate Professor	Partnership for a Change: Toward a Framework of Brazil–Japan Cooperation to Engage in Current and Future Issues	2019/4/1	2021/3/31
Brazil	Open Partnership	Joint Research	Hiroshi AKIMA	Nagoya University•Research Center of Health, Physical Fitness & Sports•Professor	Ronei S. PINTO	Federal University of Rio Grande do Sul•Associate Professor	Effect of muscle quality on physical function and body composition in older individuals: comparison between Japanese and Brazilian	2018/8/1	2020/7/31
Cambodia	Open Partnership	Joint Research	Tsuyoshi KINOUCI	Tokyo Institute of Technology•School of Environment and Society•Professor	Sokchhay HENG	Institute of Technology of Cambodia•Department of Rural Engineering•Lecturer	Elucidation and prediction of urban flooding and its health impact in Asian tropical cities	2018/4/1	2020/3/31
Cambodia	Open Partnership	Joint Research	Kozue MIURA	The University of Tokyo•Graduate school of Agricultural and life sciences•Associate Professor	Kroesna KANG	Royal University of Agriculture•Faculty of Veterinary Medicine•Dean	Establishment of comprehensive research system for zoonotic diseases in Cambodia	2019/4/1	2021/3/31
Cameroon	Open Partnership	Joint Research	Yoshihito SHIONO	The National University Corporation Yamagata University•Faculty of Agriculture•Professor	Ngadjui Tchaleu BONAVENTURE	Yaunde I university•Faculty of Science•Professor	Collaborative research aimed at controlling banana pathogens in Cameroon using endophyte	2019/4/1	2021/3/31
Canada	Open Partnership	Joint Research	Nobuhito MORI	Kyoto University•Disaster Prevention Research Institute•Associate Professor	Katsuichiro GODA	University of Western Ontario•Departments of Earth Sciences and Statistical & Actuarial Sciences•Associate Professor	Collaboration for long–term tsunami risk assessment between Japan and Canada	2019/4/1	2021/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Chile	Open Partnership	Joint Research	Keiichi MAEDA	Kyoto University·Graduate School of Science·Associate Professor	Giuliano PIGNATA	Andres Bello University·Department of Physics·Associate Professor	Supernova Initiative: Synergy in surveys, follow-up observations, and theoretical modeling	2017/7/1	2019/6/30
China	Chinese Academy of Sciences	Joint Research	Masaki AZUMA	Tokyo Institute of Technology·Institute for Innovative Research·Professor	Youwen LONG	Institute of Physics, CAS·Key lab for physics under extreme conditions·Professor	High-pressure synthesis and physical property study of new multiferroic materials	2017/4/1	2020/3/31
China	Chinese Academy of Sciences	Joint Research	Nobuhiro TSUJI	Kyoto University·Graduate School of Engineering·Professor	Zhefeng ZHANG	Chinese Academy of Science, Institute for Metal Research·Shengyang National Laboratory for Materials Science·Professor	Optimizing the tensile property and fatigue property of metallic materials with low stacking fault energy by controlling grain size	2017/4/1	2020/3/31
China	Chinese Academy of Sciences	Joint Research	Takanobu KISU	Kyushu University·Graduate School of Information Science and Electrical Engineering·Professor	Yanwei MA	Institute of Electrical Engineering, Chinese Academy of Sciences·Superconducting Materials Group·Professor	Tailoring the Microstructure and Properties of Iron-based Superconducting Materials	2017/4/1	2020/3/31
China	Chinese Academy of Sciences	Joint Research	Susumu YOSHIZAWA	The University of Tokyo·Atmosphere and Ocean Research Institute·Associate Professor	Hui ZHANG	Institute of Oceanology, Chinese Academy of Sciences·Associate Professor	Elucidation of how fishery stocks in the East China Sea are transported to Japan using environmental DNA analysis.	2018/4/1	2021/3/31
China	Chinese Academy of Sciences	Joint Research	Takeshi YANAGIDA	Kyushu University·Institute for Materials Chemistry and Engineering·Professor	Xiaodong FANG	Hefei Institute of Physical Sciences, Chinese Academy of Sciences·Anhui Institute Of Optics and Fine Mechanics·Professor	Development of Innovative Molecule Recognition Electronic Device for Ultra-sensitive Detection of Environmental Air Pollution Chemicals	2018/4/1	2021/3/31
China	Chinese Academy of Sciences	Joint Research	Jianglin FAN	University of Yamanashi·Graduate Faculty of Interdisciplinary Research·Professor	Sijun DONG	Institute of Urban Environment, Chinese Academy of Sciences·Research Center for Urban Ecological Health and Environmental Safety·Professor	Elucidation of molecular mechanisms of PM 2.5 exposure-enhanced atherosclerosis	2018/4/1	2021/3/31
China	Chinese Academy of Sciences	Joint Research	Wako AOKI	National Institutes of Natural Sciences·National Astronomical Observatory of Japan·Associate Professor	Gang ZHAO	National Astronomical Observatories of China·Beijing Astronomical Observatory·professor	Origins of the Milky Way halo structure explored with LAMOST and Subaru	2019/4/1	2021/12/31
China	Chinese Academy of Sciences	Joint Research	Satoshi OHDACHI	National Institutes of Natural Sciences·National Institute for Fusion Science·Professor	Guangnan LUO	Hefei Institutes of Physical Science, CAS·Professor	Control of wall recycling on metallic plasma facing materials in fusion reactor	2019/4/1	2022/3/31
China	Chinese Academy of Sciences	Joint Research	Hiroshi SARUWATARI	The University of Tokyo·Graduate School of Information Science and Technology·Professor	Junfeng LI	Chinese Academy of Science·Institute of Acoustics·Professor	Acoustic virtual/augmented reality and its application incorporating machine-learning-based signal decomposition and reconstruction	2019/4/1	2022/3/31
China	Chinese Academy of Social Sciences	Joint Research	Noriyuki TAKAYAMA	Research Institute for Policies on Pension & Aging·Research Division·Distinguished Scholar	Xinmei WANG	Chinese Academy of Social Sciences·The Institute of Population and Labor Economics·Assistant Professor	Pension Reform in the PRC: Searching for a New Framework Based on Japanese Experiences	2017/6/1	2020/2/29
China	National Natural Science Foundation of China	Joint Research	Hiroshi SUZUKI	Obihiro University of Agriculture and Veterinary Medicine·National Research Center for Protozoan Diseases·Professor	Jinlin ZHOU	Shanghai Veterinary Research Institute, Chinese Academy of Agricultural Sciences·Department of Parasitology·Professor (Head)	Analysis of the transmission mechanism of protozoan diseases by ticks and development of novel control measures	2017/4/1	2019/12/31
China	National Natural Science Foundation of China	Joint Research	Takashi NAKATSUKASA	University of Tsukuba·Center for Computational Sciences·Professor	Shan-Gui ZHOU	Chinese Academy of Science·Institute for Theoretical Physics·Professor	Nuclear mass and life for unravelling mysteries of r-process	2017/4/1	2019/12/31
China	National Natural Science Foundation of China	Joint Research	Keiichi TOMISHIGE	Tohoku University·Graduate School of Engineering·Professor	Tiejun WANG	Chinese Academy of Sciences·Guangzhou Institute of Energy Conversion·Professor	Development of catalysts and processes for nature-respecting conversion of lignocellulosic biomass to hydrocarbons and monoalcohols	2017/4/1	2019/12/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
China	National Natural Science Foundation of China	Joint Research	Junichiro SHIOMI	The University of Tokyo•School of Engineering•Associate Professor	Nuo YANG	Huazhong University of Science and Technology•School of Energy and Power Engineering•Professor	Study of nanoscale phononic crystals for thermoelectrics	2017/4/1	2019/12/31
China	National Natural Science Foundation of China	Joint Research	Rong XIANG	The University of Tokyo•School of Engineering•Assistant professor	Qiang ZHANG	Tsinghua University•Associate professor	Application of vertically aligned single-walled carbon nanotubes in Lithium Sulfur Battery	2017/4/1	2019/12/31
China	National Natural Science Foundation of China	Joint Research	Yusuke Nojima	Osaka Prefecture University•Graduate School of Engineering•Professor	Shitong WANG	Jiangnan University•School of Digital Media•Chair Professor	Researches on Evolutionary Fuzzy Multi-Domain Similarity Preserving Learning with the Addition of Features	2017/4/1	2019/12/31
China	National Natural Science Foundation of China	Joint Research	Kazuyuki MOTOHASHI	The University of Tokyo•School of Engineering•Professor	Dong HUO	Nanjing University•Business School•Assistant Professor	International comparison of open innovation between China and Japan, based on researcher level information	2017/4/1	2019/12/31
China	National Natural Science Foundation of China	Joint Research	Kimitaka KAWAMURA	Chubu University•Chubu Institute for Advanced Studies•Professor	Senchao LAI	South China University of Technology•School of Environment and Energy•Professor	Study on organic tracers of marine fungal aerosol in the mid- and low-latitude western North Pacific	2017/4/1	2019/12/31
China	National Natural Science Foundation of China	Joint Research	Ituro INOUE	ROIS•National Institute of Genetics•Professor	Hua YOU	Academy of Military Medical Sciences•Affiliated Hospital of Academy of Military Medical•Attending Physician	Molecular understanding of PCNSL using single cell genomics	2017/4/1	2019/12/31
China	National Natural Science Foundation of China	Joint Research	Kenzo YAMANAKA	NIHON UNIVERSITY•Nihon University School of Pharmacy•Professor	Yan AN	Medical College of Soochow University•School of Public Health, Department of Toxicology•Professor (Research Fellow)	Investigating the Effect of Dimethylated Arsenic Species on Nrf2 in Arsenic-induced Human Keratinocytes Transformation	2018/4/1	2020/12/31
China	National Natural Science Foundation of China	Joint Research	Taichiro OKAZAKI	Hokkaido University•Faculty of Engineering•Professor	Xiaodong JI	Tsinghua University•Department of Civil Engineering•Associate Professor	Rapid post-quake estimation of structural damage and performance based on modern image processing technology	2018/4/1	2020/12/31
China	National Natural Science Foundation of China	Joint Research	Kazuyuki INUBUSHI	Chiba University•Graduate School of Horticulture•Professor	Tida GE	Chinese Academy of Science•Institute of Subtropical Agriculture•Professor	Quantifying C rhizodeposition and shaping microbial diversity in paddy soil	2018/4/1	2020/12/31
China	National Natural Science Foundation of China	Joint Research	Hiroshi OHNO	RIKEN•Center for Integrative Medical Sciences•Group Director	Ji-Yang WANG	Fudan University•Department of Immunology•Professor	Role of FcuR in regulating the function of different B cell subsets and in infectious diseases	2018/4/1	2020/12/31
China	National Natural Science Foundation of China	Joint Research	Toshiaki UMEZAWA	Kyoto University•Research Institute for Sustainable Humansphere•Professor	Laigeng LI	Chinese Academy of Sciences, Institute of Plant Physiology and Ecology•Professor	Metabolic engineering and supramolecular structural analysis of lignocellulose for clean energy production	2018/4/1	2020/12/31
China	National Natural Science Foundation of China	Joint Research	Kunio AWAGA	Nagoya University•Graduate School of Science•professor	Song GAO	Peking University•Professor	Operando Magnetic Study under Solid-State Electrochemistry for Coordination Complexes	2018/4/1	2020/12/31
China	National Natural Science Foundation of China	Joint Research	Takashi TANAKA	NAGASAKI UNIVERSITY•Institute of Biomedical Sciences•Professor	Ying-Jun ZHANG	Kunming Institute of Botany, Chinese Academy of Sciences•Professor	The structure, formation mechanism and bioactivity of polyphenols in fermented tea	2018/4/1	2020/12/31
China	National Natural Science Foundation of China	Joint Research	Kazunaga TANAKA	Waseda University•School of Science and Engineering•Professor	Wang ZHI-QIANG	Tianjin University•Center for Applied Mathematics•State Chair Professor	Variational study of nonlinear PDEs	2018/4/1	2020/12/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
China	National Natural Science Foundation of China	Joint Research	Tsuyoshi MINAMI	The University of Tokyo•Institute of Industrial Science•Lecturer	Yang TIAN	East China Normal University•College of Chemistry and Molecular Engineering•Distinguished Professor	Supramolecular Electrochemical Probes for Nootropics and Their Metabolites in Brain	2018/4/1	2020/12/31
China	National Natural Science Foundation of China	Joint Research	Hiroshi YOKOI	The University of Electro-Communications•Graduate School of Informatics and Engineering•Professor	Zeyang XIA	Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences•Research Center for Neural Engineering, Institute of Biomedical and Health Engineering•Professor	System and Control of A Wearable Soft Hand For Movement Function Rehabilitation	2018/4/1	2020/12/31
China	National Natural Science Foundation of China	Joint Research	Takayoshi NAKAMURA	Hokkaido University•Research Institute for Electronic Science•Professor	Ren-Gen XIONG	Nanchang University•Ordered Matter Science Research Center•Professor	Development of novel multifunctional molecular materials with ferroelectric properties	2019/4/1	2021/12/31
China	National Natural Science Foundation of China	Joint Research	Yasuhiro SUGAWARA	Osaka University•Graduate School of Engineering•Professor	Zhihai CHENG	Renmin University of China•Department of Physics•Professor	Study of physical properties of the functional materials by AFM/ KPFM	2019/4/1	2021/12/31
China	National Natural Science Foundation of China	Joint Research	Masashi UNOKI	JAIST•Graduate School of Advanced Science and Technology•Professor	Junfeng LI	Institute of Acoustics, Chinese Academy of Sciences•Professor	Innovative research on multi-lingual speech communication in cyber-physical spaces	2019/4/1	2021/12/31
China	National Natural Science Foundation of China	Joint Research	Tadao ASAMI	The University of Tokyo•Graduate School of Agricultural and Life Sciences•Professor	Hongwei GUO	Southern University of Science and Technology•Department of Biology•Chair Professor	A chemical biology approach for the development of regulators in ethylene response and RNA regulation	2019/4/1	2021/12/31
China	National Natural Science Foundation of China	Joint Research	Ichiro SAKUMA	The University of Tokyo•School of Engineering•Professor	Junchen WANG	Beihang University•School of Mechanical Engineering and Automation•Associate Professor	Image guided minimally invasive abdominal surgery with deformable image registration and multimodality information fusion	2019/4/1	2021/12/31
China	National Natural Science Foundation of China	Joint Research	Marie OSHIMA	The University of Tokyo•Interfaculty Initiative in Information Studies•Professor	Feng-Chen LI	Sun Yat-Sen University•Sino-French Institute of Nuclear Engineering and Technology•Professor	Flow Characteristics and Mechanism in the Complex Microfluidic Circuit	2019/4/1	2021/12/31
China	National Natural Science Foundation of China	Joint Research	Nei KATO	Tohoku University•Graduate School of Information Sciences•Professor	Lingyang SONG	Peking University•Professor	A study on Intelligent Internet of Things (IoT) Network Architecture and Key Technologies	2019/4/1	2021/12/31
China	National Natural Science Foundation of China	Joint Research	Takahiro ENDOH	Kyushu University•Research Institute for Applied Mechanics•Associate Professor	Meixun ZHAO	Ocean University of China•Key Laboratory of Theoretical and Applied Marine Chemistry of the Ministry of Education•Professor	Collaborative research on changes in stratification and biogeochemical cycle in the East China Sea triggered by global warming	2019/4/1	2021/12/31
China	National Natural Science Foundation of China	Joint Research	Kei AMEYAMA	Ritsumeikan University•College of Science and Engineering•Professor	Xinkun ZHU	Kunming University of Science and Technology•Department of Materials Sciences and Engineering•Professor	Study on microstructure and mechanical properties of heterogeneous metallic materials	2019/4/1	2021/12/31
China	National Natural Science Foundation of China	Joint Research	Hidemitsu UNO	National University Corporation Ehime University•Graduate School of Science and Engineering•Professor	Zhen SHEN	Nanjing University•School of Chemistry and Chemical Engineering•Professor	Modulation Molecular Spintronic Properties of Aromatic Ring-Fused Corrole-Metal Complexes	2019/4/1	2021/12/31
China	Open Partnership	Joint Research	Ning TANG	Kanazawa University•Institute of Nature and Environmental Technology•Associate Professor	Lixia ZHAO	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences•State Key Laboratory of Environmental Chemistry and Ecotoxicology•Professor	Investigation of air pollution in China and its influence on Japan	2018/4/1	2020/3/31
China	Chinese Academy of Sciences	Seminar	Hideyuki KOBAYASHI	National Institutes of Natural Sciences•National Astronomical Observatory of Japan•Professor	Tao AN	Shanghai Astronomical Observatory•Professor	SKA regional center Science Workshop	2019/5/29	2019/5/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
China	Chinese Academy of Social Sciences	Seminar	Yoshihiro WATANABE	Waseda University·Faculty of Letters, Arts and Sciences·professor	Bu Xian QUN	Chinese Academy of Social Sciences·Institute of History·a head of an office	International Forum on Chinese Culture	2019/8/30	2019/8/31
China	National Natural Science Foundation of China	Seminar	Koichi KATO	Hiroshima University·Graduate School of Biomedical & Health Sciences·Professor	Hai Ming FAN	Northwest University·School of Chemistry and Material Science·Professor	7th China-Japan Symposium on Nanomedicine	2019/5/24	2019/5/26
China	National Natural Science Foundation of China	Seminar	Tomohiko YAMAGUCHI	NAGASAKI UNIVERSITY·Graduate School of Engineering·Associate Professor	Yong REN	University of Nottingham Ningbo China·Department of Mechanical, Materials and Manufacturing Engineering·Associate Professor	Fundamental Study and Applications of Micro/nano Scale Multiphase Thermal and Mass Transport	2019/7/29	2019/7/31
China	National Natural Science Foundation of China	Seminar	Shingo MATSUKAWA	Tokyo University of Marine Science and Technology·Faculty·Professor	Yapeng FANG	Shanghai Jiao Tong University·School of Agriculture and Biology·Professor	Hydrocolloids for Food Function Design	2019/9/26	2019/9/28
China	National Natural Science Foundation of China	Seminar	Yoshihiro DEGUCHI	Tokushima University·Graduate School of Technology, Industrial and Social Sciences·Professor	Junjie YAN	Xi'an Jiaotong University·School of Energy and Power Engineering·Professor	2nd International Symposium on Advanced Measurement, Analysis and Control for Energy and Environment (AMACEE2019)	2019/12/6	2019/12/9
China	Open Partnership	Seminar	Toru FURUHATA	Kanazawa University·Institute of Human and Social Science·Professor	Can Kui PIAO	Yanbian University·Department of History/Center for Gaogouli and Bohai Studies·Professor/Director	Japan-China researcher workshop on the history of Gaogouli and Bohai	2020/3/14	2020/3/16
Czech Republic	The Czech Academy of Sciences	Joint Research	Kentaro YOSHII	Hokkaido University·Faculty of Veterinary Medicine·Associate Professor	Daniel RUZEK	Biology Centre of the Czech Academy of Sciences·Institute of Parasitology·Head of the Laboratory	Tick-borne encephalitis: from pathogenesis to novel antiviral strategies	2018/4/1	2020/3/31
Czech Republic	The Czech Academy of Sciences	Joint Research	Nobuko OHMIDO	Kobe University·Graduate School of Human Development and Environment·Professor	Jaroslav DOLEZEL	Institute of Experimental Botany·Professor	Altered gene expression in alien plant chromosome introgression lines	2018/4/1	2020/3/31
Czech Republic	The Czech Academy of Sciences	Joint Research	Masahiko HARATA	Tohoku University·Graduate School of Agricultural Science·Associate Professor	Pavel HOZAK	Academy of Science of the Czech Republic·Institute of Molecular Genetics·Professor	Functional interactions of lipid compartments with lamin and actin-related proteins in the nucleus	2018/4/1	2020/3/31
Czech Republic	The Czech Academy of Sciences	Joint Research	Keiko MATSUURA	Oita University·Faculty of Medicine·Professor	Klara PETRZELKOVA	Czech Academy of Sciences·Institute of Vertebrate Biology·Senior Researcher	Morphological and molecular identification of parasitic nematodes in non-human primates: strengthening the connection between traditional and modern approaches	2019/4/1	2021/3/31
Czech Republic	The Czech Academy of Sciences	Joint Research	Shintaro FUJII	Tokyo Institute of Technology·School of Science·Specially Appointed Associate Professor	Hector VAZQUEZ	Czech Academy of Sciences·Department of Thin Films and Nanostructures·J.E. Purkyne Fellow (Senior Scientist)	Design and Control of Single Molecule Junctions	2019/4/1	2021/3/31
Czech Republic	The Czech Academy of Sciences	Joint Research	Yoshizumi MIYOSHI	Nagoya University·Institute for Space-Earth Environment Research·Professor	Ondrej SANTOLIK	Institute of Atmospheric Physics, CAS·Head of the Department	Investigation of electromagnetic wave phenomena using multipoint spacecraft and ground-based measurements	2019/4/1	2021/3/31
Denmark	Open Partnership	Joint Research	Kazunobu SAWAMOTO	NAGOYA CITY UNIVERSITY·Graduate School of Medical Sciences·Professor	Konstantin KHODOSEVICH	University of Copenhagen·Biotech Research and Innovation Centre (BRIC)·Associate Professor	Mechanisms for cell migration and regeneration in the postnatal brain: Collaborative high-resolution transcriptome analyses	2019/7/1	2021/6/30
Ecuador	Open Partnership	Joint Research	Shogo KUMAGAI	Tohoku University·Graduate School of Environmental Studies·Assistant Professor	Juan Diego FONSECA ASHTON	Universidad San Francisco de Quito·Department of Chemical Engineering·Associate Professor	Development of pyrolysis processes tailored to the Ecuadorian society for the conversion of Ecuadorian agricultural biomass residue into chemical feedstock and fuel	2019/4/1	2021/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Egypt	Science and Technology Development Fund	Joint Research	Kenji ARAKAWA	Hiroshima University·Graduate School of Advanced Sciences of Matter·Associate Professor	Rasha Ali Radwan	Heliopolis University·Department of Medicinal Chemistry, Faculty of Pharmacy·Assistant Professor	Structural redesign and computational simulation of lankacidin analogues to improve anti-tumor activity	2018/6/1	2020/3/31
Egypt	Science and Technology Development Fund	Joint Research	Osamu TSUTSUMI	Ritsumeikan University·College of Life Sciences·Professor	Kamal Ibrahim ALY	Assiut University·Faculty of Science·Professor	White-Color Luminescence from Single Chromophores of Liquid-Crystalline Polymeric Materials for Reducing the Device Power Consumption	2018/6/1	2020/3/31
Egypt	Science and Technology Development Fund	Joint Research	Masaru TANAKA	Kyushu University·Institute for Materials Chemistry and Engineering·Professor	Mostafa MABROUK	National Research Centre El-Behouth·Refractories, Ceramics and Building materials Department (Biomaterials)·Researcher	Synthesis of bioactive glass/polymer biocomposites based on the biomimetic intermediate water concept	2019/6/1	2021/5/31
Egypt	Science and Technology Development Fund	Joint Research	Masaharu SENO	Okayama University·Graduate School of Interdisciplinary Science and Engineering in Health Systems·Professor	Ibrahim El Tantawy EL SAYED	Menoufia University·Faculty of Science·Professor	Design and Synthesis of Novel Alkaloids with Natural Origin as Anticancer Agents	2019/6/1	2021/3/31
Egypt	Science and Technology Development Fund	Seminar	Shigeki SUGANO	Waseda University·Faculty of Science and Engineering·Professor	Abdelfatah MOHAMED	Egypt Japan University of Science and Technology·Professor	Third Egypt Japan Workshop on Practical Education for Mechatronics and Robotics	2019/8/3	2019/8/8
Egypt	Science and Technology Development Fund	Seminar	Hiroshi WATABE	Tohoku University·Cyclotron and Radioisotope Center·Professor	Magdy Mohamed KHALIL	Helwan University·Faculty of Science·Lecturer	Advanced Medical Imaging Physics: International Exchanges Between Japan and Egypt	2019/11/4	2019/11/7
Finland	Open Partnership	Joint Research	Tetsuya TERASAKI	Tohoku University·Graduate School of Pharmaceutical Sciences·Professor	Arto URTTI	University of Eastern Finland·School of Pharmacy·Professor	Proteomic analysis of membrane proteins in the blood-CSF barrier and the outer blood-retinal barrier	2017/6/1	2019/5/31
Finland	Open Partnership	Joint Research	Mizue OHASHI	UNIVERSITY OF HYOGO·School of Human Science and Environment·Professor	Pumpanen Sakari JUKKA	University of Eastern Finland·Department of Environmental Science·Professor	Fate of soil organic carbon after fire disturbances in boreal forest ecosystems in Finland	2018/4/1	2020/3/31
Finland	Academy of Finland	Seminar	Toru NAKAYAMA	Tohoku University·Graduate School of Engineering·Professor	Tero Anssi Hermanni JARVINEN	University of Tampere·Faculty of Medicine & Life Sciences·Professor	New Trends in Biotechnology in the Bioeconomy Era	2019/10/16	2019/10/18
Finland	Academy of Finland	Seminar	Shin UGAWA	Kagoshima University·Faculty of Agriculture·Associate professor	Aleksi Heikki Samuel LEHTONEN	Natural Resources Institute Finland (LUKE)·Management and Production of Renewable Resources·Associate professor	Predicting effects of climate change on ecosystem services	2019/11/18	2019/11/23
France	Centre National de la Recherche Scientifique	Joint Research	Reynald AFFELDT	National Institute of Advanced Industrial Science and Technology·Information Technology Research Institute·Senior Researcher	David NOWAK	CNRS·CRIStAL·1st grade researcher	Formal Tools for IoT Security	2018/4/1	2020/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Hiroaki TOH	Kyoto University·Graduate School of Science·Associate Professor	Vincent LESUR	Institut de Physique du Globe de Paris·Department of Geomagnetism·Head of IPGP magnetic observatory service	Forecasting the geomagnetic secular variation based on data assimilation	2018/4/1	2020/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Nariya KAWAZUMI	The University of Tokyo·Graduate School of Mathematical Sciences·Associate Professor	Christine VESPA	University of Strasbourg·IRMA, Institute for Advanced Research in Mathematics·Associate Professor	Cohomological Study of mapping class groups and related topics	2018/4/1	2020/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Shohei HATTORI	Tokyo Institute of Technology·School of Materials and Chemical Technology·Assistant Professor	Joel SAVARINO	The Universite Grenoble Alpes·The Institute for Geosciences and Environmental research (IGE)·Director of Research (senior research scientist)	A global study of atmospheric nitrate and sulfate based on ice cores and novel isotopic techniques	2018/4/1	2020/3/31



## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
France	Centre National de la Recherche Scientifique	Joint Research	Kazuki KOMATSU	The University of Tokyo•Graduate School of Science•Associate Professor	Stefan KLOTZ	IMPMC, Universite P&M Curie•DR1	Fundamental study for ice-salt system by using novel techniques of high-pressure neutron scattering	2018/4/1	2020/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Yasuaki TOKUDOME	Osaka Prefecture University•Department of Materials Science, Graduate School of Engineering•Associate Professor	Vanessa PREVOT	CNRS (institut de Chemie de Clermont-Ferrand)•Lamellar Double Hydroxydes Group•Researcher	Nanoelectrochemistry based on LDH nanoclusters: Ultrasensitive chromotropism by multiscale material design	2018/4/1	2020/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Yoshio MITA	The University of Tokyo•Graduate School of Engineering•Associate Professor	Bruno LE PIOUFLE	Ecole Nationale Supérieure de Cachan•Systemes et applications des technologies de l'information et de l'énergie (SATIE)•Professor	PARIS: Parallel Actuation-Reaction and Impedance Surveyance System for Multi-Modal High-Frequency Cell Analyses	2018/4/1	2020/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Yoshitomo KIKUCHI	National Institute of Advanced Industrial Science and Technology•Bioproduction Research Institute•Senior scientist	Peter MERGAERT	Centre National de la Recherche Scientifique•Institute for Integrative Biology of the Cell•Group leader	Role of symbiosis-specific antimicrobial peptides in the stinkbug-Burkholderia symbiosis	2018/4/1	2020/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Masahiro TSUJI	Kyoto Women's University•National Cerebral and Cardiovascular Center•Laboratory Chief	Jacques-Olivier COQ	CNRS•Institut de Neurosciences de la Timone (INT)•Senior Researcher	How to better understand, prevent and cure neurodevelopmental disorders related to prematurity?	2018/4/1	2020/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Kyohei ARITA	Yokohama City University•Graduate School of medical life science•associate professor	Pierre Antoine DEFOSSEZ	Centre national de la recherche scientifique•senior group leader	Structural basis for development of inhibitor for UHRF1.	2019/4/1	2021/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Yota OTACHI	Kumamoto University•Faculty of Advanced Science and Technology•Associate Professor	Michael LAMPIS	Universite Paris Dauphine•Laboratory for Analysis and Modelling of Decision Support Systems (LAMSADE)•Assistant Professor	Parameterized Approximation Graph Algorithms	2019/4/1	2021/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Itsuhiro KAKEYA	Kyoto University•Graduate School of Engineering•Associate Professor	Sukhdeep DHILLON	Ecole Normale Supérieure, Paris•Laboratoire Pierre Aigrain•Permanent CNRS Fellow	Ultrafast terahertz dynamics of high-Tc superconducting Josephson plasma emission	2019/4/1	2021/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Takeshi YOSHIKAWA	The University of Tokyo•Institute of Industrial Science•Associate Professor	Didier CHAUSSENDE	Centre national de la recherche scientifique (CNRS)•SIMAP Laboratory, Grenoble INP•Senior scientist	Exploring polytypism through the interface reconstructions in the silicon carbide / liquid metal systems	2019/4/1	2021/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Masami KAMIGAITO	Nagoya University•Graduate School of Engineering•Professor	Vincent LADMIRAL	Institut Charles Gerhardt•Macromolecular Architectures and Engineering•CNRS Researcher First class	Functional Polymer Materials via Precision Polymerization of Renewable Monomers and Fluorinated Monomers	2019/4/1	2021/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Yutaka ISHII	Kyushu University•Faculty of Mathematics•associate professor	Pierre BERGER	University of Paris 13•Laboratory of Analysis, Geometry and Applications•CNRS researcher	Dynamics of real and complex Henon maps which are not uniformly hyperbolic	2019/4/1	2021/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Atsuhi NAKAO	Kyoto Prefectural University•Life and Environmental Sciences•Associate Professor	Olivier EVRARD	French Atomic Energy Commission•the Laboratory of Climate and Environmental Science (LSCE)•Permanent researcher	Investigating the fate of radiocesium following decontamination in a cultivated catchment of Fukushima Prefecture	2019/4/1	2021/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Satoshi KOIZUMI	National Institute for Materials Science•Research Center for Functional Materials•Group leader	Marie-Laure GALLIN-MARTEL	Laboratory of Subatomic Physics & Cosmology (LPSC), CNRS•Medical Application Physics group•Researcher	Diamond radiation detectors	2019/4/1	2021/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Masaru WATANABE	Tohoku University•Graduate School of Engineering•Professor	Severine CAMY	Toulouse University•Laboratory of Chemical Engineering•Professor	Coupling of high pressure water and CO2 for platform molecule synthesis from cellulose	2019/4/1	2021/3/31
France	Centre National de la Recherche Scientifique	Joint Research	Naoko SAITO	Kyoto University•Graduate School of Education•Associate Professor	Sandra LAUGIER	Paris First University (Pantheon Sorbonne)•Department of Philosophy•Professor	Political Education for Human Transformation: Interdisciplinary and International Research in Philosophy and Education	2019/6/1	2021/5/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
France	Institut National de Recherche en Informatique et en Automatique	Joint Research	Julien LEBLAY	National Institute of Advanced Industrial Science and Technology • Artificial Intelligence Research Center – AI Cloud Research Team • Researcher	Ioana MANOLESCU	National Institute for Research in Computer Science and Control • CEDAR Team • Research Professor (team leader)	Mining for explanations to claims published on the Web.	2017/4/1	2020/3/31
France	Institut National de Recherche en Informatique et en Automatique	Joint Research	Naohiko HOSHINO	Kyoto University • Research Institute for Mathematical Sciences • Assistant Professor	Ugo DAL LAGO	University of Bologna and INRIA Sophia Antipolis • Department of Computer Science and Engineering • Associate Professor	CRECOGI: Concurrent, Resourceful and Effectful COmputation, by Geometry of Interaction	2018/4/1	2021/3/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Andrew UTADA	University of Tsukuba • Faculty of Life and Environmental Sciences • Associate Professor	Jacques FATTACCIOLI	ENS, University of Pierre and Marie Curie, CNRS • Chemistry Department • Associate Professor	A multifaceted study of the single cell dynamics leading to biofilm formation of alkane-degrading bacteria at the oil/aqueous interface	2017/6/1	2019/5/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Takehiro ITO	Tohoku University • Graduate School of Information Sciences • Associate Professor	Nicolas BOUSQUET	National Polytechnical Institute of Grenoble • G-SCOP Laboratory • CNRS Researcher	Development of Algorithmic Techniques for Combinatorial Reconfiguration	2018/4/1	2020/3/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Tetsushi SAITO	The University of Tokyo • Institute of Social Science • Associate Professor	Emmanuel AUBIN	University of Poitiers • Faculty of Law and Social Sciences • Professor	Emerging Risks in an Aging Society: A Comparative Law Analysis	2018/4/1	2020/3/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Akifumi YAMAJI	Waseda University • Graduate School of Advanced Science and Engineering • Associate Professor	Christophe JOURNEAU	French Atomic Energy and Alternative Energies Commission (CEA) • Cadarache severe accident physics and modelling laboratory (LPMA) • International expert	MPS–THEMA Crosswalk on Corium Spreading Analysis	2018/4/1	2019/12/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Kazuhiko YAMAKI	Kyoto University • Institute for Liberal Arts and Sciences • Associate Professor	Vincent Olivier MAILLOT	Jussieu Mathematics Institute • CNRS Research Associate (1st class)	New directions of Arakelov geometry	2018/4/1	2020/3/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Tomoyasu AIZAWA	Hokkaido University • Faculty of Advanced Life Science • Associate Professor	Pascal PONCET	Pasteur Institute • Center for Innovation and Technological Research • Assistant Professor	Studies on a new allergen family involved in pollen food associated syndrome: snakin/gibberellin regulated proteins	2018/4/1	2020/3/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Daisuke SAITO	Kyushu University • Frontier Research Institute for Interdisciplinary Sciences • Assistant Professor	Bertrand PAIN	INSERM U1208 • Stem Cell and Brain Research Institute • Group leader	Germ cells culture as a tool for managing the biodiversity	2018/4/1	2020/3/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Naoya NISHI	Kyoto University • Graduate School of Engineering • Associate Professor	Emmanuel BENICHO	Claude Bernard University Lyon 1 • Institut Lumiere Matiere • Professor	Interfacial structural dynamics of Ionic liquids probed by pump–probe second harmonic generation	2018/4/1	2020/3/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Masayuki BANNO	NMRI • Port and Airport Research Institute, Coastal and Estuarine Environmental Research Field • Senior Researcher	Marissa YATES	Cerema • Technical Division for Water sea and Waterways • Researcher	Predicting decadal–scale shoreline evolution integrating the impacts of climate change	2018/4/1	2020/3/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Ryohei YASUKUNI	NAIST • Graduate school of materials science • Assistant professor	Rachel MEALLET-RENAULT	Paris Sud University • Institute of molecular science of Orsay • Professor	Spatiotemporal manipulation and analysis of biological processes using multimodal polymer nano–systems	2018/4/1	2020/3/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Takuya FUNATOMI	NAIST • Graduate School of Information Science • Associate Professor	Guillaume CARON	University of Picardie Jules Verne • UFR Sciences • Associate Professor	FullScan : combining complementary sensors on a mobile robotic system to fully and autonomously digitize complex heritage buildings with ultra high definition	2018/4/1	2019/12/31
France	Ministry of Foreign Affairs–Minister of Higher Education, Research and Innovation	Joint Research	Keiko KIDA	National Institute for Cultural Heritage National Research Institute for Cultural Properties, Tokyo • Center for Conservation Science • Visiting Researcher	Floreal DANIEL	Bordeaux Montaigne University • Research engineer	DAYFLOWER. Colours of the Floating World.	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Naoki OKUMURA	Doshisha University·Department of Biomedical Engineering, Faculty of Life and Medical Sciences·Associate professor	Gilles THURET	University of Saint-Etienne·Professor	Innovative cell therapy in ophthalmology by corneal endothelial bioengineering	2018/4/1	2020/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Kei HASEGAWA	Tokyo Institute of Technology·School of Materials and Chemical Technology·Assistant Professor	Alain FAVE	INSA Lyon·Institut des Nanotechnologies de Lyon·Associate Professor	Carrier lifetime analysis and solar cell fabrication of 40 μm-thick monocrystalline Si by rapid epitaxy on a seed layer with nanometer-level smoothed surface	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Etsuko YOSHIDA	Osaka University·Intellectual Property and Legal Practice Center·Research Fellow	Alexandra MENDOZA-CAMINADE	University Toulouse 1 Capitole·Centre de droit des affaires·Professor	The Future of Intellectual Property Law and Competition Law in the AI Era – A Comparative Socio-Legal Study between France and Japan	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Yasuhiro KADOTA	RIKEN·Center for Sustainable Resource Science·Senior Research Scientist	Stephanie JAUBERT-POSSAMAI	INRA-UNS-CNRS, Sophia Agrobiotech Institute, Sophia Antipolis (France)·Plant-Nematode interactions Lab·INRA Senior researcher (CR1)	Molecular analyses of recognition mechanisms during plants and plant-parasitic nematodes interaction.	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Hiroyasu KAMEI	Kanazawa University·Institute of Science and Engineering·Assistant Professor	Sophie VRIZ	University Paris Diderot·Centre Interdisciplinaire de Recherche en biologie (CIRB)·Professor	REDOX SIGNALING IN CATCH-UP GROWTH	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Kazumasa SUZUKI	USP·Faculty of Engineering·Assistant Professor	Delphine SCHAMING	Paris Diderot University·Interface, Treatments Organization and Systems Dynamics (ITODYS)·Assistant Professor	Photoelectrocatalytic Study of nanostructured Titanium Oxide – Carbon Dots Composite Films for Water-Splitting	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Misato OHTANI	The University of Tokyo·Graduate School of Science and Technology·Assistant Professor	Jerome PELLOUX	Universite de Picardie Jules Verne·Professor	Roles of pectin dynamics in the control of cell division in plants	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Hirohiko SUWA	NAIST·Graduate School of Science and Technology·Assistant Professor	Francois PORTET	Grenoble Institute of technology·Associate Professor	MACATA : Mobile Automatic Context-Awareness for Tourism Applications	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Takahito KATAOKA	JAMSTEC·Project Team for Advanced Climate Modeling·Postdoctoral Researcher	Hugo BELLENGER	Centre National de la Recherche Scientifique·Laboratoire de Meteorologie Dynamique·Scientist	Climate Impact of Ocean Surface Stratifications (CLOSS)	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Shugo YASUDA	UNIVERSITY OF HYOGO·Graduate school of simulation studies·Associate Professor	Ayman MOUSSA	Sorbonne University·Laboratoire Jacques-Louis Lions·Assistant Professor	Development of kinetic theory approaches for self-organizing particle systems	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Shinji SAKAI	Osaka University·Engineering Science·Professor	Cedric DELATTRE	University of Clermont Auvergne·Institute Pascal·Associate Professor	Polyaccharides scaffold using bioprinting technology for bone reconstruction	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Shunsuke FUKAMI	Tohoku University·Research Institute of Electrical Communication·Associate Professor	Stephane MANGIN	Institut Jean Lamour·Professor	ULTRAFast SPIN-ELECTRONICS FOR FAST AND ENERGY EFFICIENT INFORMATION TECHNOLOGY	2019/4/1	2021/3/31
France	Ministry of Foreign Affairs-Minister of Higher Education, Research and Innovation	Joint Research	Takehide SOH	Kobe University·Information Science and Technology Center·Assistant Professor	Morgan MAGNIN	Ecole Centrale de Nantes·Laboratory of Digital Sciences of Nantes·Professor	Computing Attractors in Asynchronous Automata Networks using SAT Technology	2019/8/1	2021/7/31
France	Centre National de la Recherche Scientifique	Seminar	Kiyoshi KITA	NAGASAKI UNIVERSITY·School of Tropical Medicine and Global Health·Professor	Frederic BRINGAUD	Universite Bordeaux Segalen, CNRS, UMR5234·Laboratoire de Microbiologie Fondamentale et Pathogenecite·Director of Research (DR1)	Study of glycerol metabolism in trypanosomes: towards the identification of new therapeutic targets	2019/5/20	2019/5/24

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
France	Centre National de la Recherche Scientifique	Seminar	Takahiro HASEBE	Hokkaido University•Faculty of Science•Associate Professor	Nizar DEMNI	University of Rennes 1•Institute of mathematical research of Rennes•Associate Professor	Interactions between commutative and non-commutative probability	2019/8/19	2019/8/23
France	Centre National de la Recherche Scientifique	Seminar	Aki SUWA	Kyoto Women's University•Faculty for Contemporary Society•Professor	Magali DREYFUS	National Center for Scientific Research•Senior Research Scientist	Local Energy Governance in France and Japan	2019/9/1	2019/9/7
France	Centre National de la Recherche Scientifique	Seminar	Masayo TAKAHASHI	RIKEN•Center for Biosystems Dynamics Research•Project Leader	Jose-Alain SAHEL	Institut de la Vision•Professor	Vision restoration: emerging therapies	2019/11/25	2019/11/26
France	Centre National de la Recherche Scientifique	Seminar	Ryota NAKAMURA	Hitotsubashi University•Hitotsubashi Institute for Advanced Study•Associate Professor	Josselin THUILLIEZ	CNRS and University of Paris 1 Pantheon Sorbonne•Research Professor	Advanced Empirical Studies on Health Economics	2019/12/4	2019/12/6
France	Institut National de la Sante et de la Recherche Medicale	Seminar	Hitoshi TAKIZAWA	Kumamoto University•International Research for Medical Sciences•Distinguished Professor	Victor APPAY	Inserm U1135, Sorbonne University•Pathogenesis of Viral Infections and Immune Aging•Team Leader	Cellular Senescence and Aging in Age-related Disorders: Toward Healthy Aging	2019/9/5	2019/9/6
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Kozo WATANABE	National University Corporation Ehime University•Graduate School of Science and Engineering•Professor	Michael Thomas MONAGHAN	Leibniz-Institute of Freshwater Ecology and Inland Fisheries•Research Group Leader	Genome-wide Identification of Viral Infection Resistance Genes in Dengue Vector Mosquito Aedes aegypti	2018/4/1	2020/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Shin-Ichiro NORO	Hokkaido University•Research Institute for Electronic Science•Associate Professor	Roland A. FISCHER	Technical University of Munich•Department of Chemistry•Professor	Fabrication of surface-attached metal-organic frameworks toward separation membrane and sensor applications	2018/4/1	2020/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Hiroki MATSUBARA	Kyushu University•Faculty of Science•Associate Professor	Michael GRADZIELSKI	TU Berlin•Faculty of Mathematics and Sciences•Professor	Effect of surface phase transition on the stability of O/W emulsions	2018/4/1	2020/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Toshihide ARIMURA	Waseda University•Faculty of Political Science and Economics•Professor	Andreas ZIEGLER	University of Kassel•Department of Empirical Economic Research•Professor	The role of non-state actors for individual climate protection activities and climate policy: A theoretical, experimental, and empirical analysis	2018/4/1	2020/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Wataru FUJIBUCHI	Kyoto University•Center for iPS Cell Research and Application•Professor	Andreas Christian KURTZ	Charite – Medical University of Berlin•Berlin-Brandenburg Center for Regenerative Therapies•Professor	The Human Cell Type Authentication Initiative: developing a periodic table of cells	2018/4/1	2020/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Yohei YAMAMOTO	University of Tsukuba•Faculty of Pure and Applied Sciences•Associate Professor	Jer-Shing HUANG	Leibniz Institute of Photonic Technology•Nanoptics Research Group•Group Leader	Electrically driven semiconducting polymer whispering gallery mode lasers and its applications in nanoptics	2018/4/1	2020/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Akihiko TERADA	Tokyo University of Agriculture and Technology•Institute of Engineering•Associate Professor	Susanne LACKNER	Technical University of Darmstadt•Faculty of Civil and Environmental Engineering•Professor	Dynamics between heterotrophic denitrifying bacteria and anaerobic ammonium oxidizing bacteria in systems for complete nitrogen removal	2018/4/1	2020/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Kazuto KATO	Osaka University•Graduate School of Medicine•Professor	Fruzsina MOLNAR-GABOR	Heidelberg Academy of Sciences and Humanities•Group leader	Establishment of new medical data governance between Germany and Japan with focus on changing role of patients	2018/4/1	2020/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Ken MASAMUNE	Tokyo Women's Medical University•Department of Medicine•Professor	Thomas NEUMUTH	Leipzig University•Innovation Center Computer Assisted Surgery•Professor, Vice Director	Evolutionary fusion of SCOT and OR.net for the next generation intraoperative smart cyber operating theater	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Masanobu KII	Kagawa University•Faculty of Engineering•Associate Professor	Rolf MOECKEL	Technical University of Munich•Civil, Geo and Environmental Engineering•Assistant Professor	Are sustainable development goals within reach? Development of a microsimulation urban model to test policies for a sustainable future	2018/7/1	2020/6/30
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Yasuhiro MATSUDA	The University of Tokyo•Institute for Solid State Physics•Associate Professor	Sergei ZHERLITSYN	Helmholtz-Zentrum Dresden-Rossendorf•Dresden High Magnetic Field Laboratory•Head of Department Magnet Technologies and Research Infrastructure	Novel phenomena induced by ultrahigh magnetic fields in systems with spin-lattice coupling	2019/4/1	2021/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Hiroshi KOHGUCHI	Hiroshima University•Graduate School of Science•associate professor	Oskar ASVANY	University of Cologne•Physics Institute I•Staff Scientist	Development of New Laser-based Methods for Spectroscopy and Reaction Dynamics in Ultracold Chemistry	2019/4/1	2021/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Tetsuhiro NEMOTO	Chiba University•Graduate School of Pharmaceutical Sciences•Professor	Harald GROGER	Bielefeld University•Department of Chemistry•Professor	Synthesis of bioactive natural products and pharmaceuticals with integrated chemo- and bio-catalytic processes	2019/4/1	2021/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Genta KAWAHARA	Osaka University•Graduate School of Engineering Science•Executive Vice President	Markus UHLMANN	Karlsruhe Institute of Technology•Institute for Hydromechanics•Professor	Development of novel particle-laden-turbulence research using invariant solutions	2019/4/1	2021/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Kai MARTENS	The University of Tokyo•Kavli Institute for the Physics and Mathematics of the Universe•Associate Professor	Christian WEINHEIMER	Universitaet Muenster•Institute for Nuclear Physics•Professor	Purification of Insulating Liquids Used in Dark Matter Searches, Neutrino Physics, and Biomedical Imaging	2019/4/1	2021/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Wakako ARAKI	SAITAMA UNIVERSITY•Graduate School of Science and Engineering•Associate Professor	Jesus GONZALEZ-JULIAN	RWTH Aachen•Institute of Mineral Engineering•Junior Professor	Unveiling the limit of MAX phases for energy applications by merging experimental and simulation approaches	2019/4/1	2021/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Natsue YOSHIMURA	Tokyo Institute of Technology•Institute of Innovative Research•Associate Professor	Niels BIRBAUMER	University of Tubingen•Institute for Medical Psychology and Behavioural Neurobiology•Professor	Development of an EEG-based brain-computer interface for completely-locked in syndrome patients	2019/4/1	2021/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Takahito ONO	Tohoku University•Graduate school of engineering•Professor	Bernd TILLACK	IHP (Innovations for High Performance Microelectronics)•Science director	New group IV epitaxy process with atomic-level control:“From fundamental epitaxy process investigation to electronic and MEMS devices fabrication”	2019/4/1	2021/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Keisuke OHDAIRA	JAIST•Graduate School of Advanced Science and Technology•Associate Professor	Daniel AMKREUTZ	Helmholtz Zentrum Berlin fur Materialien und Energie GmbH•Institute of Silicon-Photovoltaics•Group head of high efficiency silicon thin-film solar cells	Development of high-efficiency thin-film crystalline silicon solar cells through exchange for unique silicon crystallization technology and characterization methods	2019/4/1	2021/3/31
Germany	Deutscher Akademischer Austausch Dienst	Joint Research	Masako TODA	Tohoku University•Graduate School of Agricultural Science•Professor	Thomas HENLE	Technical University Dresden•Faculty of Science, Department of Chemistry and Food Chemistry•Professor	Ultra-processed foods: Elucidation of the impact of different oil processing methods on its inflammatory mechanism	2019/4/1	2021/3/31
Germany	Open Partnership	Joint Research	Shingo UCHINOKURA	Kagoshima University•Faculty of Education•Associate Professor	Verena PIETZNER	Carl von Ossietzky University of Oldenburg•Institute for Chemistry•Professor	STEM Teacher Education and Social Collaboration: Japan-German study for Promoting “STEM for All”	2018/4/1	2020/3/31
Germany	Open Partnership	Joint Research	Masaaki FUJII	Tokyo Institute of Technology•Institute of Innovative Research•Professor	Otto DOPFER	Technische Universitaet Berlin•Institut for Optik und Atomare Physik•Professor	Intersolvent Interactions Studied by Structure and Dynamics of Molecular Clusters	2018/4/1	2020/3/31
Germany	Deutsche Forschungsgemeinschaft	Seminar	Takahisa YAMAMOTO	Nagoya University•Graduate School of Engineering•Professor	Rafal E. DUNIN-BORKOWSKI	Forschungszentrum Julich•Ernst Ruska-Centre for Microscopy and Spectroscopy with Electrons•Director	Germany-Japan Joint Seminar on Advanced Electron Microscopy and its Application	2019/6/16	2019/6/19

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Germany	Deutsche Forschungsgemeinschaft	Seminar	Daichi NOZAKI	The University of Tokyo•Graduate School of Education•Professor	David FRANKLIN	Technical University of Munich•Department of Sport and Health Sciences•Associate Professor	Online and offline movement corrections: From neuronal mechanisms to the practical applications	2019/9/15	2019/9/18
Germany	Deutsche Forschungsgemeinschaft	Seminar	Makoto TADAKI	Chuo University•Faculty of Law•Professor	Gunnar DUTTGE	Georg-August-University Goettingen•Professor	Human dignity and self-determination in medical care at the end of life	2019/10/5	2019/10/6
Germany	Deutsche Forschungsgemeinschaft	Seminar	Kiyonobu KAIDOU	Meijo University•Faculty of Urban Science•Professor	Katrin GROSSMANN	University of Applied Sciences Erfurt•Faculty of Architecture and Urban Planning•Professor	Shrinking cities revisited: New patterns of uneven population development, multifaceted local implications, and the challenges of multi-level governance	2019/10/10	2019/10/15
Germany	Deutsche Forschungsgemeinschaft	Seminar	Kenichi MORIYA	Osaka City University•Faculty of Law•Professor	Alexander BRUNS	Faculty of Law, University of Freiburg•Professor	Democracy and Law	2020/3/16	2020/3/20
Ghana	Open Partnership	Joint Research	Miho MURAYAMA	Kyoto University•Wildlife Research Center•Professor	Boniface Baboreka KAYANG	University of Ghana•College of Basic and Applied Sciences, Department of Animal Science•Associate Professor	Novel domestication of large rodent “grasscutter” in Ghana	2018/4/1	2020/3/31
Ghana	Open Partnership	Joint Research	Shin OKAZAKI	Tokyo University of Agriculture and Technology•Institute of Agriculture•Associate professor	Raphael Kwame BAM	Crop Research Institute•Senior Research Scientist	Isolation and characterization of arbuscular mycorrhizal fungi association with rice in Ghana	2019/4/1	2021/3/31
Honduras	Open Partnership	Joint Research	Seiichi NAKAMURA	Kanazawa University•Center for Cultural Resource Studies, Institute of Human and Social Sciences•Professor	Melvin Ewenor FUENTES	Honduran Institute of Anthropology and History•Copan Archaeological Project (PROARCO)•Co-Director	Joint Research toward the modification of Ceramic Chronology of Dynastic Foundation Period of the World Heritage “Maya Site of Copan”	2018/5/1	2020/3/31
Hungary	the Hungarian Academy of Sciences	Joint Research	Yoichi MOROFUJI	NAGASAKI UNIVERSITY•NAGASAKI UNIVERSITY HOSPITAL•ASSISTANT PROFESSOR	Maria Anna DELI	Hungarian Academy of Sciences•Institute of Biophysics, Biological Research Centre•Scientific adviser, head of research group	A new human cell based microfluidic chip model of the blood-brain barrier to study the brain metastatic potential of cancer cells	2018/4/1	2020/3/31
Hungary	the Hungarian Academy of Sciences	Joint Research	Kenichi ISHIKAWA	The University of Tokyo•Graduate School of Engineering•Professor	Karoly TOKESI	Hungarian Academy of Sciences•Institute for Nuclear Research•Scientific advisor (Professor)	Ultrafast dynamics in intense laser-atom and laser-molecule interaction	2018/4/1	2020/3/31
Hungary	the Hungarian Academy of Sciences	Joint Research	Etsuro ONO	Kyushu University•Faculty of Medical Sciences•Professor	Laszlo VECSEI	University of Szeged•Department of Physiology, Anatomy and Neuroscience•Professor	Comparative study of mouse lines carrying CRISPR/Cas mediated knock-out of different kynurenine aminotransferase isoenzymes	2018/4/1	2020/3/31
Hungary	the Hungarian Academy of Sciences	Joint Research	Satoru KOBAYASHI	Iwate University•Faculty of Science and Engineering•Associate Professor	Akos HORVATH	Hungarian Academy of Science, Centre for Energy Research•Director	Development of electromagnetic non-destructive evaluation method for aging degradation of chromium steels at high temperatures	2018/4/1	2020/3/31
Hungary	the Hungarian Academy of Sciences	Joint Research	Hirimitsu HABA	RIKEN•Nishina Center for Accelerator-Based Science•Team Leader	Sandor TAKACS	Institute of Nuclear Research of the Hungarian Academy of Sciences•Senior Research Fellow	Optimization of accelerator production routes of the new theranostic radioisotopes Sc-47 and Cu-67	2019/4/1	2021/3/31
Hungary	the Hungarian Academy of Sciences	Joint Research	Ryota UEHARA	Hokkaido University•Faculty of Advanced Life Science•Associate Professor	Gabor BANHEGYI	Semmelweis University•Dept. of Medical Chemistry, Molecular Biology and Pathobiochemistry•Professor, the Head of Department	Polyploidy-linked pathogenesis in obesity-linked liver diseases	2019/4/1	2021/3/31
Hungary	the Hungarian Academy of Sciences	Joint Research	Tsunefumi MIZUNO	Hiroshima University•Hiroshima Astrophysical Science Center, Associate Professor	Andras PAL	Konkoly Observatory•Senior Research Fellow	Gamma-ray observations of gravitational wave counterparts by the “CAMELOT” CubeSat constellation	2019/4/1	2021/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Hungary	the Hungarian Academy of Sciences	Joint Research	Masahiro OHSAWA	NAGOYA CITY UNIVERSITY • Graduate School of Pharmaceutical Sciences • Associate Professor	Antal BERENYI	MTA-SZTE "Momentum" Programme • Oscillatory Neuronal Networks Research Group, Department of Physiology, University of Szeged • Principal Investigator	Development of new technology for non-invasive and on-demand treatment of diseases caused by the abnormal brain activity	2019/4/1	2021/3/31
Iceland	Open Partnership	Joint Research	Yuji YAMAMOTO	KOCHI UNIVERSITY • Natural Science Cluster • Professor	Maxwell Christopher BROWN	University of Iceland • Institute of Earth Sciences • Research specialist	Investigating quasi-continuous variations in the strength of Earth's magnetic field recorded in the lava sequences of Iceland	2018/4/1	2020/3/31
India	Department of Science and Technology	Joint Research	Shinji SAITO	National Institutes of Natural Sciences • Institute for Molecular Science • Professor	Biman BAGCHI	Indian Institute of Science • Solid State and Structural Chemistry Unit • Professor	Local structure and dynamics of hydrogen bonds in water: Supercooled water and binary mixtures	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Tomohiro YOKOZEKI	The University of Tokyo • School of Engineering • Associate Professor	Mira MITRA	Indian Institute of Technology, Kharagpur • Department of Aerospace Engineering • Associate Professor	Development of light-weight lattice structure with superior shock attenuation properties	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Koichi NAKAYAMA	Saga University • Faculty of medicine • Professor	Subha Narayan RATH	Indian Institute of Technology, Hyderabad • Dept. of Biomedical Engineering • Assistant professor	Bio-inspired nano-hierarchical architecture of fabrication and maturation of spheroid based tendon-ligament tissues	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Junichi FUJII	The National University Corporation Yamagata University • Graduate School of Medical Science • Professor	Manisha Rajan MADKAIKAR	National Institute of Immunohaematology (ICMR) • Director	Japan-India collaborative research aspiring for conquering sickle cell disease by elucidating the developmental mechanism	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Toru SHIMADA	Gakushuin University • Graduate School of Agricultural and Life Sciences • Professor	Rajesh KUMAR	Central Sericultural Research & Training Institute, Central Silk Board, Ministry of Textiles • PMCE/Entomology & Pathology Department • Scientist-D	Genome Engineering of the Bombycid and Saturniid Silkmoths in Asia	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Yasushi TAKEMURA	Yokohama National University • Faculty of Engineering • Professor	Selvamani PALANISAMY	Anna University • Department of Pharmaceutical Technology, Centre for Excellence in Nanobio Translational Research • Assistant Professor	Development of peptide conjugated nano-magnetic probes as cancer theranostics	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Nobumichi KOBAYASHI	Sapporo Medical University • School of Medicine • Professor	Balasubramanian GANESH	National Institute of Epidemiology • Laboratory Division • Scientist-D	Molecular epidemiological study on drug resistance of diarrheagenic Gram-negative bacteria in India	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Chikara DOHNO	Osaka University • The Institute of Scientific and Industrial Research • Associate Professor	Sudhir KRISHNA	National Centre for Biological Science • Tata Institute of Fundamental Research • Professor	Exploring the therapeutic potential of cyclic mismatch binding ligands (CMBLs) in cervical cancer sub-sets	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Hiroyuki SUGIMURA	Kyoto University • Graduate School of Engineering • Professor	Om Prakash KHATRI	Indian Institute of Petroleum • Chemical Science Division • Sr. Scientist	Integrated thin films of graphene-ionic liquids for lubrication in MEMS application	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Kenji YASUOKA	KEIO UNIVERSITY • Faculty of Science and Technology • Professor	Subrata MAJUMDER	National Institute of Technology Patna • Department of Physics • Assistant Professor	Nanoscale Studies of Chemisorption and Physisorption of DNA molecule at the Titanium dioxide/Water Interface	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Yasuhiro FUKUMA	Kyushu Institute of Technology • Computer Science and Systems Engineering • Associate Professor	Pranaba Kishor MUDULI	Indian Institute of Technology, Delhi • Department of Physics • Assistant Professor	Spin Hall nano-oscillator using ferromagnet/antiferromagnet heterostructures	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Yoshinori SAWAE	Kyushu University • Faculty of Engineering • Professor	Sujeet Kumar SINHA	Indian Institute of Technology Delhi • Mechanical Engineering • Professor	Novel lipid-filled high strength polymer composite for highly functional joint prosthesis application	2018/6/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
India	Department of Science and Technology	Joint Research	Koji KAWABATA	Hiroshima University•Hiroshima Astrophysical Science Center• Professor	Devendra Kumar SAHU	Indian Institute of Astrophysics• Associate Professor	Theoretical studies in explosion physics of nearby supernovae based on high-quality optical and near-infrared observational data	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Hiroaki WAGATSUMA	Kyushu Institute of Technology• Graduate School of Life Science and Systems Engineering•Associate Professor	Bishakh BHATTACHARYA	Indian Institute of Technology Kanpur• Department of Mechanical Engineering• Professor	Neuro-cognitive instrumentation of validated human-robot interactions to enhance learning and developmental processes in children	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Shigeyuki YAGI	Osaka Prefecture University• Graduate School of Engineering• Professor	Ayyappanpillai AJAYAGHOSH	CSIR-National Institute for Interdisciplinary Science and Technology• Chemical Sciences and Technology Division• Director	Construction of p/n Heterojunction through the Self-assembly of Functional Dyes	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Chihiro SEKINE	Muroran Institute of Technology• Graduate School of Engineering• Professor	Sonachalam ARUMUGAM	Bharathidasan University• School of Physics, Faculty of Science• Professor	Synthesis and physical properties of new superconductors using high-pressure technique	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Takaaki TOMAI	Tohoku University• Institute of Multidisciplinary Research for Advanced Materials• Associate Professor	Dinesh RANGAPPA	Visvesvaraya Technological University• Department of Nanotechnology• Professor	Supercritical Fluid Process Development for Next Generation (Magnesium/Sodium Ion) Battery Electrode Materials	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Junpei YAMANAKA	NAGOYA CITY UNIVERSITY• Graduate School of Pharmaceutical Sciences• Professor	Priti Sundar MOHANTY	Kalinga Institute of Industrial Technology (KIIT university)• School of Applied Sciences / School of Biotechnology• Associate Professor	Synthesis of soft-ionic microgels and their directed self-assembly using an external electric and chemical fields	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Tsuyoshi TOYOSHIMA	Niigata University• Department of Geology, Faculty of Science• Professor	Sajeev KRISHNAN	Indian Institute of Science• Centre for Earth Sciences• Associate Professor	Arc accretion in the past and present and its bearing on Metallogeny	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Masaki ITO	The University of Tokyo• Institute of Industrial Science• Research Associate	Mohan C. KRISHNA	Indian Institute of Technology Hyderabad• Department of Computer Science and Engineering• Associate Professor	Design and Development of Real-Time Transportation Safety Monitoring System for Smart Cities	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Basabi CHAKRABORTY	Iwate Prefectural University• Software and Information Science• Professor	Amlan CHAKRABARTI	Calcutta University• A.K. Choudhury School of Information Technology• Professor	Developing open source tool using quantum based feature selection for high dimensional datasets	2018/6/1	2020/3/31
India	Department of Science and Technology	Joint Research	Junichi ANDO	Hiroshima University• Graduate School of Science• Professor	Gautam GHOSH	Presidency University• Faculty of Science• Professor	Study of fault architecture, deformation mechanisms and evolution of fault zone rocks with implications for seismicity in the upper and lower crust	2019/6/1	2021/5/31
India	Department of Science and Technology	Joint Research	Yukio SATO	Kyushu University• Graduate School of Engineering• Associate Professor	Viswanath BALAKRISHNAN	Indian Institute of Technology, Mandi• School of Engineering• Assistant Professor	Engineering photoluminescence of tungsten sulfide through doping and electrical biasing	2019/6/1	2021/5/31
India	Department of Science and Technology	Joint Research	Ryo MAEZONO	JAIST• Graduate School of Advanced Science and Technology• Professor	Ravi KUMAR, N V	Indian Institute of Technology-Madras• Department of Metallurgical and Materials Engineering• Professor	Understanding the phase stability of oxides and nitrides in the context of fine tuning their functional properties – a combinatorial approach based on computations and experiments	2019/6/1	2021/5/31
India	Department of Science and Technology	Joint Research	Ayumi ASAI	Kyoto University• Graduate School of Science• Associate Professor	Dipankar BANERJEE	Indian Institute of Astrophysics• Professor	Long term variation of solar ultraviolet radiation investigated from the Japan-Indian integrated database of solar chromospheric images	2019/6/1	2021/3/31
India	Department of Science and Technology	Joint Research	Shu SEKI	Kyoto University• Graduate School of Engineering• Professor	Suhrit GHOSH	Indian Association for the Cultivation of Science• School of Applied and Interdisciplinary Sciences• Professor	Design of Two-Dimensionally Self-Assembled Organic Semiconductors	2019/6/1	2021/3/31



## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
India	Department of Science and Technology	Joint Research	Seiya TSUJIMURA	University of Tsukuba•Faculty of Pure and Applied Sciences•Associate professor	Santosh Ranjan MOHANTY	ICAR Indian Institute of Soil Science• All India Network Project on Soil Biodiversity Biofertilizers•Principal Scientist	Methanogenic bioelectrode driven conversion of CO <sub>2</sub> to CH <sub>4</sub> to enhance methanogenesis and mitigation of greenhouse gas from agrowaste based bioenergy systems	2019/6/1	2021/5/31
India	Department of Science and Technology	Joint Research	Masahiro FUJITA	The University of Tokyo•VLSI Design and Education Center•Professor	Majumdar Shubhankar	National Institute of Technology Meghalaya•Department of Electrical and Communication Engineering• Assistant Professor	Prediction, Detection and Monitoring System for Landslide in Hilly Regions	2019/6/1	2021/5/31
India	Department of Science and Technology	Joint Research	Toru WATANABE	The National University Corporation Yamagata University•Faculty of Agriculture•Professor	Arun KUMAR	Indian Institute of Technology Delhi• Department of Civil Engineering• Assistant Professor	Understanding toxicity and uptake of nanomaterials to edible plants during reuse of treated municipal wastewater as irrigation water	2019/6/1	2021/3/31
India	Department of Science and Technology	Joint Research	Yoshio OKAMOTO	The University of Electro-Communications•Graduate School of Informatics and Engineering•Professor	Saket SAURABH	The Institute of Mathematical Sciences•Professor	Geometric Approximation Algorithms in Fixed Parameterised Time	2019/6/1	2021/5/31
India	Department of Science and Technology	Joint Research	Takanori ISOBE	UNIVERSITY OF HYOGO•Applied Informatics• Associate Professor	Santanu SARKAR	Indian Institutes of Technology Madras•Mathematics•Associate Professor	Cryptanalytic study on Stream ciphers	2019/6/1	2021/5/31
India	Department of Science and Technology	Joint Research	Masaaki TAMAGAWA	Kyushu Institute of Technology• Graduate School of Life Science and System Engineering•Professor	Raghuvir PAI	Manipal Academy of Higher Education• Manipal Institute of Technology• Professor	FUNDAMENTAL STUDY ON CAROTID ARTERY STENTING USING NUMERICAL SIMULATION	2019/6/1	2021/3/31
India	Department of Science and Technology	Joint Research	Michiyo SUZUKI	National Institutes for Quantum and Radiological Science and Technology• Takasaki Advanced Radiation Research Institute•Principal Researcher	J. PONMOZHI	Institute of Engineering & Science IPSA•Department of Mechanical Engineering• Associate Professor	Development of a biocompatible vehicle for sustained delivery of lactobacillus spores as a treatment modalities for Bacterial Vaginosis	2019/6/1	2021/3/31
India	Department of Science and Technology	Joint Research	Takahiro NAGATA	National Institute for Materials Science•International Center for Materials Nanoarchitectonics• Group leader	Somu KUMARAGURUBARAN	Indian Institutes of Science Education and Research•School of Physics• Associate Professor	Combinatorial exploration and property control of oxide based power semiconductors	2019/6/1	2021/3/31
India	Department of Science and Technology	Joint Research	Masahiro YAMAGUCHI	Tohoku University•Graduate School of Engineering•Professor	Navakanta BHAT	Indian Institute of Science (IISc)• Centre for Nano Science and Engineering (CeNSE)•Professor	Development of an integrated magnetic sensor featuring a microwave-assisted nanoferrite-film for high-sensitivity magnetocardiographic measurement	2019/6/1	2021/3/31
India	Department of Science and Technology	Joint Research	Hiroshi KITAGAWA	Kyoto University•Graduate School of Science•Professor	Sukhendu MANDAL	Indian Institute of Science Education and Research Thiruvananthapuram• Associate Professor	Tailoring the catalytic properties of atom-precise metal nanoclusters	2019/6/1	2021/5/31
India	Department of Science and Technology	Joint Research	Yoshihiro ITO	RIKEN•RIKEN Cluster for Pioneering Research•Chief Scientist	Jayasree S RAMAPURATH	Sree Chitra Tirunal Institute for Medical Sciences and Technology• Scientist F	MAGNETO-OPTIC SENSOR FOR CARDIAC BIOMARKER DETECTION	2019/6/1	2021/3/31
India	Department of Science and Technology	Joint Research	Shinichi INOUE	NAGASAKI UNIVERSITY•School of Medicine•Lecturer	Sehgal RAKESH	Postgraduate Institute of Medical Education & Research•Professor and Head	Role of gamma-delta T cells in patients with complicated malaria due to Plasmodium vivax	2019/6/30	2021/5/31
India	Department of Science and Technology	Joint Research	Tomoyasu TANIYAMA	Nagoya University•Graduate School of Science•Professor	Venkataiah GORIGE	University of Hyderabad•School of Physics•Assistant Professor	Interfacial multiferroic magnonics : understanding of cross-correlation towards magnonic logic circuit applications	2019/7/1	2021/6/30
India	Department of Science and Technology	Joint Research	Ayako OYANE	National Institute of Advanced Industrial Science and Technology• Nanomaterials Research Institute, Nanobio materials and devices group• Senior Researcher	Mohanani PARAYANTHARA V.	Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) [Govt. of India]•Biomedical Technology Wing, Toxicology division• Scientist-G & Head, Toxicology Division	Anti-microbial peptide (LL37) loaded multifunctional 3D collagen scaffold for vascularized bone tissue regeneration	2019/7/1	2021/6/30

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
India	Department of Science and Technology	Joint Research	Hidehiro KANEDA	Nagoya University•Graduate School of Science•Professor	Devendra K OJHA	Tata Institute of Fundamental Research (TIFR)•Department of Astronomy & Astrophysics•Professor	Large-scale mapping of massive star-forming regions in the far-infrared [CII] emission with a balloon-borne telescope	2019/9/1	2021/8/31
India	Indian Council of Social Science Research	Joint Research	Takahiro SATO	Kobe University•Research Institute for Economics and Business Administration•Professor	Nalin BHARTI	Indian Institute of Technology Patna• Humanities and Social Sciences• Associate Professor	India-Japan Economic Relation: Are We Ready to Break the Deadlock	2018/4/1	2020/3/31
India	Indian Council of Social Science Research	Joint Research	Mari TANAKA	Hitotsubashi University•Graduate School of Economics•Assistant Professor	Megha PATNAIK	Indian Statistical Institute•Economics and Planning Unit•Visiting Assistant Professor	Frictions in the Indian Labour Market	2018/4/1	2020/3/31
India	Indian Council of Social Science Research	Joint Research	Rajib SHAW	KEIO UNIVERSITY•Graduate School of Media and Governance•Professor	Sameer DESHKAR	Visvesvaraya National Institute of Technology•Department of Architecture and Planning•Assistant Professor	Towards new paradigms in urban-rural linkages: fostering innovations for collective resilience through multi-sector engagements	2018/4/1	2020/3/31
India	Indian Council of Social Science Research	Joint Research	Keshav Lall MAHARJAN	Hiroshima University•Graduate School for International Development and Cooperation•Professor	Pradyot Ranjan JENA	National Institute of Technology Karnataka, Surathkal•Assistant Professor	Moving Towards Climate Resilient Agriculture: Understanding the Factors Influencing Adoption in India and Japan	2019/4/1	2021/3/31
India	Indian Council of Social Science Research	Joint Research	Kumiko HABA	Aoyama Gakuin University•School of International Politics, Economics and Communication•Professor	Pardeep CHAUHAN	ICSSR•Department of Economics• Associate Professor	Regional Integration in Asia after Brexit: Challenges and Prospects	2019/4/1	2021/3/31
India	Indian Council of Social Science Research	Joint Research	Koichi HASEGAWA	Tohoku University•Graduate School of Arts and Letters•Professor	Pradip SWARNAKER	ABV-Indian Institute of Information Technology and Management Gwalior• Associate Professor	Climate-Energy Policy Network: A Comparative Study of India and Japan	2019/4/1	2021/3/31
India	Department of Science and Technology	Seminar	Keisuke TOMINAGA	Kobe University•Molecular Photoscience Research Center• professor	Amalendue CHANDRA	Indian Institute of Technology, Kanpur• Department of Chemistry•professor	Frontiers in Molecular Spectroscopy: From Fundamentals to Applications in Chemistry and Biology	2019/10/29	2019/11/1
India	Department of Science and Technology	Seminar	Kazuho NAKAMURA	Yokohama National University•Faculty of Engineering•Associate Professor	Mohan DORAISWAMY	Rajalakshmi Engineering College• Science and Humanities Dean	Development of Sustainable Environment/Energy Technologies in South India	2019/12/1	2019/12/5
India	Department of Science and Technology	Seminar	Masakazu OKAZAKI	Nagaoka University of Technology• Faculty of Engineering•Professor	Rajappa GNANAMOORTHY	Indian Institute of Technology Madras• Department of Mechanical Engineering•Professor	Materials and Manufacturing for Next Generation Electric and High Speed Railway	2020/3/2	2020/3/3
Indonesia	Directorate General of Resources for Science Technology and Higher Education	Joint Research	Shigeto YOSHIDA	Kanazawa University•Institute of Medical, Pharmaceutical and Health Sciences•Professor	Din SYAFRUDDIN	Hasanuddin University•Faculty of Medicine•Professor	Epidemiological study of Plasmodium vivax in Indonesia islands and evaluation of vaccine antigenicity	2017/4/1	2020/3/31
Indonesia	Directorate General of Resources for Science Technology and Higher Education	Joint Research	Yasushi YOSHIOKA	Nagoya University•Graduate School of Science•Associate Professor	Endang SEMIARTI	Gadjah Mada University•Associate Professor	Establishment of a new molecular breeding technology for orchids based on CRISPR-Cas9 genome editing system	2017/4/1	2020/3/31
Indonesia	Directorate General of Resources for Science Technology and Higher Education	Joint Research	Shuichi ASHINA	National Institute for Environmental Studies•Center for Social and Environmental Systems Research• Senior Researcher	Rizaldi BOER	Bogor Agricultural University•Centre for Climate Risk and Opportunity Management•Executive Director	Development of Holistic Low Carbon Scenario Design Model for Cities and Regions and its Demonstration in Japan and Indonesia	2017/4/1	2020/3/31
Indonesia	Directorate General of Resources for Science Technology and Higher Education	Joint Research	Shigeo YODEN	Kyoto University•Graduate School of Science•Professor	Tri Wahyu HADI	Bandung Institute of Technology• Faculty of Earth Sciences and Technology•Lecturer	Scientific research on extreme weather in changing climate in the Maritime Continent and its societal application	2018/4/1	2021/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Indonesia	Directorate General of Resources for Science Technology and Higher Education	Joint Research	Hiroo IMAI	Kyoto University•Primate Research Institute•Associate Professor	Bambang SURYOBROTO	Bogor Agricultural University•Faculty of Mathematics and Natural Sciences•Lecturer	Genomic, morphological, behavioral evolution of Indonesian primates focusing on Sulawesi macaques and colobines.	2018/4/1	2021/3/31
Indonesia	Directorate General of Resources for Science Technology and Higher Education	Joint Research	Takahiko MIYAZAKI	Kyushu University•Faculty of Engineering Sciences•Associate Professor	Agung Tri WIJAYANTA	Sebelas Maret University•Faculty of Engineering•Associate Professor	Development of Low Cost Desiccant Air-Conditioning Systems using Activated Carbons Derived from Biomass Resources	2018/4/1	2021/3/31
Indonesia	Directorate General of Resources for Science Technology and Higher Education	Joint Research	Hiroimi SANADA	The University of Tokyo•Graduate School of Medicine•Professor	SURIADI	The Nursing Institute of Muhammadiyah Pontianak•Department Medical Surgical Nursing•Chairman of Research, Development and Public Health Care	The Introduction of Diabetic Foot Care Nursing in Indonesia and a Verification of Its Effects on Diabetic Foot Ulcer Prevention	2019/4/1	2022/3/31
Indonesia	Directorate General of Resources for Science Technology and Higher Education	Joint Research	Kozo WATANABE	National University Corporation Ehime University•Graduate School of Science and Engineering•Professor	Dwi AGUSTIAN	University of Padjadjaran•Faculty of Medicine•Lecturer	Eco-epidemiology of Dengue Mosquitoes in Bandung, Indonesia in Relation to Viral Transmission and Climate Change	2019/4/1	2022/3/31
Indonesia	Directorate General of Resources for Science Technology and Higher Education	Joint Research	Takanobu INOUE	Toyohashi University of Technology•Engineering•Professor	Notodarmojo SUPRIHANTO	University of Pertamina•Faculty of Infrastructure Planning and Industrial Technology•Dean, Professor	Estimation of amount of release of plastics to the ocean in Indonesia	2019/4/1	2022/3/31
Indonesia	Indonesian Institute of Sciences	Joint Research	Naoki KOBAYASHI	Saitama Medical University•Faculty of Health and Medical Care•Professor	Harry R. ARJADI	Indonesian Institute of Science•Research Center for Quality System and Testing Technology•Indonesian Principal Researcher	Elimination of color quality variance in tissue images for pathological diagnosis using multi-spectrum imaging	2017/4/1	2020/3/31
Indonesia	Indonesian Institute of Sciences	Joint Research	Chie UTSUBO	Kobe University•Graduate School of Health Sciences•Assistant Professor	Muhammad HANAFI	Indonesian Institute of Sciences (LIPI)•Research Centre for Chemistry•Professor	Identification and development of new antiviral lead compounds against hepatitis B virus from Indonesian medicinal plants	2018/4/1	2021/3/31
Indonesia	Indonesian Institute of Sciences	Joint Research	Yukio MASUMOTO	The University of Tokyo•Graduate School of Science•Professor	A'an Johan WAHYUDI	Indonesian Institute of Sciences•Research Center for Oceanography•Researcher	Indian Ocean variability and its impact on climate and ecosystems of the maritime continent	2019/4/1	2022/3/31
Israel	Israel Science Foundation	Joint Research	Isao INOUE	National Institute of Advanced Industrial Science and Technology•Correlated Electronics Research Group, Electronics and Photonics Research Institute•Senior Researcher	Amos SHARONI	Bar-Ilan University•Department of Physics, Faculty of Exact Sciences•Assistant Professor	Investigation on physics around metal-insulator transitions towards neuromorphic	2018/4/1	2020/3/31
Israel	Israel Science Foundation	Joint Research	Masatoshi SATO	Kyoto University•Yukawa Institute for Theoretical Physics•Professor	Yigal MEIR	Ben-Gurion University of the Negev•Department of Physics•Professor	Magnetic impurities and Kondo effect in helical edge states of high-spin topological insulators	2018/4/1	2020/3/31
Israel	Israel Science Foundation	Joint Research	Takashi MUKAIYAMA	Osaka University•Engineering Science•Professor	Roez OZERI	Weizmann Institute of Science•Department of Physics of Complex Systems•Associate Professor	Investigation on ultracold atom-ion interactions	2018/4/1	2020/3/31
Israel	Israel Science Foundation	Joint Research	Koh TAKEUCHI	National Institute of Advanced Industrial Science and Technology•Molecular Profiling Research Center for Drug Discovery Structural modality research team•Leader, Team	Maayan GAL	Migal, Galilee Research Institute•Team Leader	Collaborative research for development of small molecule inhibitors for difficult-to-target protein-protein interactions	2018/4/1	2020/3/31
Israel	Israel Science Foundation	Joint Research	Hiroyuki KITAGAWA	Nagoya University•Institute for Space-Earth Environmental Research•Professor	Mordechai STEIN	Geological Survey of Israel•Division of geochemistry and environmental geology•Senior research scientist	Radiocarbon as hydrological monitor of the last glacial Dead Sea	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Israel	Israel Science Foundation	Joint Research	Shuichi HASEGAWA	Rikkyo University・College of Arts・Associate Professor	Yuval GADOT	Tel Aviv University・Sonia and Marco Nadler Institute of Archaeology・Professor	From Kingdoms to Province: Northern Israel in the Iron Age and Persian Period	2019/4/1	2021/3/31
Israel	Israel Science Foundation	Joint Research	Masako MYOWA	Kyoto University・Graduate School of Education・Professor	Ronny GEVA	Bar-Ilan University・Department of Psychology・Professor	Parent-child neurophysiological coordination	2019/4/1	2021/3/31
Israel	Israel Science Foundation	Joint Research	Kumi MAKINO	Kamakura Women's College・Department of Education・Professor	Michael EISENBERG	University of Haifa・Department of Archaeology・Senior Lecturer	The Hellenistic settlement at Tel Ein Gev and the beginning of settlement in Hippos.	2019/4/1	2021/3/31
Israel	Israel Science Foundation	Joint Research	Masatoshi YAMAFUJI	National Institutes for Cultural Heritage, Nara National Research Institute for Cultural Properties・Department of Imperial Palace Sites Investigations・Researcher	Yuval YEKUTIELI	Ben-Gurion University of the Negev・Faculty of Humanities and Social Sciences, Department of Archaeology・Senior lecturer	Material Culture Aspects of the Early Bronze Age 1 Egyptian Colony at South West Canaan	2019/4/1	2021/3/31
Italy	National Research Council of Italy	Joint Research	Chiaki OGUCHI	SAITAMA UNIVERSITY・Graduate School of Science and Technology・Associate Professor	Roberta VARRIALE	ISSM/CNR (National Research Council)・Researcher	Damage assessment and conservation of underground space as valuable resources for human activities use in Italy and Japan	2018/4/1	2020/3/31
Italy	National Research Council of Italy	Joint Research	Sylvain AGOSTINI	University of Tsukuba・Faculty of Life and Environmental Science・Assistant Professor	Fabio BADALAMENTI	Italian National Council of Research・Institute for coastal marine management・Research Director	Habitat choice and settlement of coral larvae of high latitude coral species under ocean acidification	2018/4/1	2020/3/31
Italy	National Research Council of Italy	Joint Research	Teruo KANKI	Osaka University・The Institute of Scientific and Industrial Research・Associate Professor	Luca PELLEGRINO	National Research Council・CNR-SPIN・Research Scientist	Domain Manipulation in VO2 Freestanding Nanomechanical Structures	2018/4/1	2020/3/31
Italy	National Research Council of Italy	Joint Research	Tsutomu MIYASAKA	Toin University of Yokohama・Faculty of Biomedical Engineering・Professor	Alessandra ALBERTI	Institute for Microelectronics and Microsystems, National Research Council (CNR-IMM)・researcher	Design of organo-halide perovskite light absorbers of high stability and durability through atomistic engineering of the lattice structure	2018/4/1	2020/3/31
Italy	Open Partnership	Joint Research	Chungpyo HONG	Kagoshima University・Graduate School of Science and Engineering・Associate Professor	Gian Luca MORINI	University of Bologna・Department of Industrial Engineering・Professor	Investigation on Flow characteristics of microchannel gas flow in the wide flow range including under-expansion region	2019/4/1	2021/3/31
Kazakhstan	Open Partnership	Joint Research	Nariaki FUJIMOTO	Hiroshima University・Research Institute for Radiation Biology and Medicine・Associate Professor	Tolebay RAKHYPBKOV	Astana Medical University・Chairman of the Board of Directors of Astana Medical University	Effects of internal exposure to radioactive 56-manganese dioxide particles - Biological outcomes, mechanisms of action and risk evaluation	2018/4/1	2020/3/31
Kenya	National Council For Science and Technology	Joint Research	Hirota MATSUDA	Tokyo University of Agriculture・Graduate School of Frontier Sciences・Project Associate Professor	David MUNGAI	University of Nairobi・Wangari Maathai Institute for Peace & Environmental Studies・Associate Professor	Development of Climate Change Adaptation Strategies for Human Health Impacts in Urban Area of East Africa	2018/4/1	2020/3/31
Kenya	National Council For Science and Technology	Joint Research	Yasutaka KUBO	Okayama University・Graduate School of Environmental and Life Science・Professor	Willis Omondi OWINO	Jomo Kenyatta University of Agriculture and Technology・Department of Food Science and Technology・Associate Professor	Evaluation and Application of Solanaceae bio-resources collected in Japan and Kenya to Climate-Smart Agriculture for SDGs	2019/4/1	2021/3/31
Kenya	National Council For Science and Technology	Seminar	Kennedy Omondi OKEYO	Kyoto University・Institute for Frontier Life and Medical Sciences・Senior Lecturer	Lucy OCHOLA	Institute of Primate Research (IPR)・Tropical and Infectious Diseases・Head of Department	4th Africa International Biotechnology and Biomedical Conference	2019/8/26	2019/8/30

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Korea	National Research Foundation of Korea	Joint Research	Isao INOUE	National Institute of Advanced Industrial Science and Technology • Correlated Electronics Research Group, Electronics and Photonics Research Institute • Senior Researcher	Doo Seok JEONG	Korea Institute of Science and Technology • Center for Electronic Materials • Principal Research Scientist	Challenge to a veritable brain-like computing: building a neuromorphic architecture with phase-transition neuromorphic devices	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Kenji KUTSUNA	Kobe University • Graduate School of Science, Technology and Innovation • Professor	Hyung Jun KIM	Chungnam National University • Department of Business Administration • Professor	How to boost university start-ups based-on science and technology in Japan and Korea?	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Hiromichi OHTA	Hokkaido University • Research Institute for Electronic Science • Professor	Hyoungjeen JEEN	Pusan National University • Department of Physics • Assistant Professor	Functionalization of layered transition metal oxides toward energy applications	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Masahide YAMAGUCHI	Tokyo Institute of Technology • School of Science • Professor	Ki-Young CHOI	Sungkyunkwan University • Department of Physics • assistant professor	Universe as a laboratory of the fundamental physics	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Hiroo IMAI	Kyoto University • Primate Research Institute • Associate Professor	Heui-Soo KIM	Pusan National University • College of Natural Sciences • Professor	Expression analysis of miRNA in primates	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Jiro SODA	Kobe University • Graduate School of Science • Professor	Soonkeon NAM	Kyung Hee University • Department of Physics • Professor	String axion cosmology	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Hideyuki TAKAHASHI	TOHOKU GAKUIN UNIV • Research Institute of Electrical Communication • Assistant Professor	Yujin LIM	Sookmyung Women's University • Department of IT Engineering • Associate Professor	Study on system's fundamental technologies for agent-based IoT and regional disaster prevention information system	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Takahiro SEKI	Nagoya University • Graduate School of Engineering • Professor	Mina HAN	Kongju National University • Department of Chemistry Education • Associate Professor	Light-responsive trigonal molecules that show AIE/AIEE properties in 1D and 2D superstructures	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Masao WATANABE	Tohoku University • Graduate School of Life Sciences • Professor	Jong In PARK	Sunchon National University • Department of Horticulture • Assistant professor	Analysis of important agricultural traits based on genomic information of crucifer crops by collaborative research between Japan and Korea	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Keishi OTSU	Iwate Medical University • Division of Developmental Biology and Regenerative Medicine, Department of Anatomy • lecturer	Han-Sung JUNG	Yonsei University • Dept. of Oral Biology, College of Dentistry • Professor	The role of Rho signaling in tooth morphogenesis	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Morio YOSHIDA	KOGAKUIN UNIVERSITY • Center for Promotion of Higher Education • Professor	Jaemin YU	Korea University • Department Japanese Language and Literature • Associate Professor	Discourse studies of the translated popular literature in Japan and Korea	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Shinichi TATE	Hiroshima University • Graduate School of Science • Professor	Hyun-Woo RHEE	Ulsan National Institute of Science and Technology • School of Natural Science • Assistant Professor (Principal Investigator)	Devising the new electron microscopic approach for determining the whole chromatin 3D structure inside cell nucleus	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Takuo TANAKA	RIKEN • Metamaterials Laboratory • Chief Scientist	Junsuk RHO	Pohang University of Science and Technology (POSTECH) • Department of Mechanical Engineering • Assistant Professor	Top-down and Bottom-up approach for 3D metamaterials	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Masahiko YOSHII	Kobe University • Graduate School of Economics • Professor	Chae-Deug YI	Pusan National University • Faculty of Economics • Professor	Japan-Korea Economic Cooperation through Comparative Analysis on Japan-EU EPA/FTA and EU-Korea FTA	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Korea	National Research Foundation of Korea	Joint Research	Shigeori TAKENAKA	Kyushu Institute of Technology • Faculty of Engineering • professor	Min-Ho LEE	Chung-Ang University • School of Integrative Engineering • Associate professor/	Development of diagnostic device based on MMeELISA for the detection of hormones	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Koji HARADA	Kyoto University • Graduate School of Medicine • Associate Professor	Younglim KHO	Eulji University • School of Human and Environmental Sciences • Professor	Joint research between Japan and Korea for future chemical risk management	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Akihito ISHIGAMI	Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology • Tokyo Metropolitan Institute of Gerontology • Team Leader	Jaewon LEE	Pusan National University • College of Pharmacy • Professor	Aging intervention through revealing novel roles of SMP30 on the brain and energy metabolism	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Enoch Y. PARK	National University Corporation Shizuoka University • Research Institute of Green Science and Technology • Professor	Jaebeom LEE	Pusan National University • College of Nanoscience and Nanotechnology • Professor	Magnetozyne-based POC diagnosis kit for high-risk influenza and virus detection	2018/4/1	2020/3/31
Korea	National Research Foundation of Korea	Joint Research	Atsushi YOSHIMOTO	ROIS • Institute of statistical Mathematics • Professor	Joosang CHUNG	Seoul National University • College of Agriculture and Life Sciences • Professor	Sustainable use of scarce pollinators for pollination services through spatially dependent discrete optimization	2018/7/1	2020/6/30
Korea	National Research Foundation of Korea	Joint Research	Junichi FUJII	The National University Corporation Yamagata University • Graduate School of Medical Science • Professor	Han Geuk SEO	Konkuk University • Sanghuh College of Life Sciences • Professor	Improvement of fatty liver diseases via suppression of oxidative stress/endoplasmic reticulum stress by PPAR	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Koichi KOBAYASHI	Gifu University • Faculty of Engineering • Professor	Hyun-Do YUN	Chungnam National University • College of Engineering • Professor	Service Life Extension of Infrastructures by Utilizing Self-sensing and High-durable SHCC materials	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Dai SENOO	Tokyo Institute of Technology • School of Engineering • Professor	Jungwoo LEE	YONSEI University • Graduate School of Information • Professor	Toward Eastern Creative Work style: a view of sustainable value for workers	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Takuro NIIDOME	Kumamoto University • Faculty of Advanced Science and Technology • Professor	Jaehong KEY	Yonsei University • Department of Biomedical Engineering • Assistant Professor	Construction of functional nanoparticles for diagnosis and therapy of non-small cell lung cancer	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Akira YAGISHITA	High Energy Accelerator Research Organization • others • emeritus professor	Soonnam KWON	Pohang Accelerator Laboratory • XFEL project team • Staff Scientist	Molecular imaging of photochemical reactions by ultrafast x-ray photoelectron diffraction	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Takuya IMAMURA	Kyushu University • Graduate School of Medical Sciences • Associate Professor	Kyung-Ok CHO	The Catholic University of Korea • School of Medicine • Associate Professor	Role of the functional long non-coding RNAs in the regulation of epileptogenesis	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Manabu AKAZAWA	MEIJI PHARMACEUTICAL UNIVERSITY • Pharmacy • Professor	Euna HAN	Yonsei University • College of Pharmacy • Associate Professor	Global comparative study on prediction and disease burden of the transition from prediabetes to diabetes	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Jaewoo PARK	Musashi University • Faculty of Economics • Professor	Nara YOUN	Hongik University • Business Administration • Professor	An International Comparative Study of Cultural Value and Purchase Decision-Making Among Japanese, Korean, and Chinese Consumers	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Hyonchol KIM	National Institute of Advanced Industrial Science and Technology • Biomedical Research Institute • Senior Researcher	Man Bock GU	Korea University • Department of Biotechnology, College of Life Sciences and Biotechnology • Professor	Development of a novel cup-shaped biosensor for measurements of secretion molecules in single cell level	2019/4/1	2021/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Korea	National Research Foundation of Korea	Joint Research	Yoshiatsu UCHIDA	Waseda University·Faculty of Law·Professor	Byungseo CHON	Chuo University·Professor	Present Issues of Japan–Korea Civil Procedure–Focusing on IT Formation and Operation of Special Court–	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Susumu NONAKA	SAITAMA UNIVERSITY·Graduate School of Humanities and Social Sciences·professor	Hye Hyun NAM	Yonsei University·Department of Russian Language & Literature·Assistant professor	Dynamics of cultural processes in the periods of social transformations: Russian culture at the turning points of the 20th and 21st centuries	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Masaharu SHIRATANI	Kyushu University·Faculty of Information Science and Electrical Engineering·Professor	Hyunwoong SEO	Inje University·Department of Energy Engineering·Assistant Professor	Highly efficient bias–free solar fuel based on nano–structured delafossite photocathode and bi–facial photovoltaics	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Junpei KUWABARA	University of Tsukuba·Faculty of Pure and Applied Sciences·Associate professor	Hyo Jae YOON	Korea University·Department of Chemistry·Associate Professor	Emission and Quantum Tunneling Behaviors of Organometallic Self–Assembled Monolayer	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Munekazu MOTOYAMA	Nagoya University·Graduate School of Engineering·Lecturer	Jihwan AN	Seoul National University of Science and Technology·Manufacturing Systems and Design Engineering Program·Assistant Professor	Investigation on electrocatalytic properties of low–dimensional ALD nanostructures and the application to fuel cells	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Hidetoshi TAKAHASHI	KEIO UNIVERSITY·Graduate School of Information Science and Technology·Assistant professor	Yun Jung HEO	Kyung Hee University·Department of Mechanical Engineering·Assistant professor	Microneedle–based sensor patches for continuous cholesterol monitoring	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Mitsuko SEKI	Meikai University·Dentistry·Associate professor	Hong Jo CHOI	Korean Institute of Tuberculosis·Department of Research and Development·Head	Identification of the standard strain of M. tuberculosis in Asian region.	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Junji FUKUDA	Yokohama National University·Faculty of Engineering·Professor	Yang–Sook CHUN	Seoul National University·College of Medicine·Professor	Control over HIF gene for engineering vascularized thick tissues	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Tetsuya IDO	National Institute of Information and Communications Technology·Space–Time Standards Laboratory·Director	Dai–Hyuk YU	Korea Research Institute of Standards and Science·Center for Time and Frequency Metrology·Head of the Center for Time and Frequency	Global atomic clock comparisons and time scale generation by synthesizing data from lattice clocks and Cs fountains in Japan and Korea	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Shuzi HAYASE	The University of Electro–Communications·Graduate School of Life Science and Systems Engineering·Professor	Kang Dong WON	Chung–Ang University·Energy Systems Engineering·Assistant professor	Development of Sn–rich binary perovskites for Pb–reduced, eco–friend solar cells	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Joint Research	Takayuki NISHIZAKA	Gakushuin University·Department of Physics·Professor	Donghyun KIM	Yonsei University·School of Electrical and Electronic Eng.·Professor	Super–resolved direct visualization of bacterial motile behaviors using artificial nanostructures and their applications	2019/4/1	2021/3/31
Korea	National Research Foundation of Korea	Seminar	Koichiro KOKUBUN	Tokyo Institute of Technology·Institute for Liberal Arts·Professor	Alex TAEK–GWANG LEE	Kyung Hee University·Department of British and American Cultural Studies·Professor	The Reception of Deleuze’s Philosophy in East Asia	2019/6/21	2019/6/23
Korea	National Research Foundation of Korea	Seminar	Yoshihiro OHNITA	Osaka City University·Graduate School of Science·Professor	Byung Hak KIM	Kyung Hee University·Department of Applied Mathematics·Professor	Differential Geometry of Submanifolds in Symmetric Spaces and Related Problems	2019/8/1	2019/8/2
Korea	National Research Foundation of Korea	Seminar	Masashi YAMAMOTO	University of TOYAMA·Center for Far Eastern Studies·Professor	Geum Soo KIM	Hoseo University·Department of Global Commerce·Professor	Recent Trend in Recycling Policies and Sustainable Development	2019/9/5	2019/9/7

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Korea	National Research Foundation of Korea	Seminar	Iwao SUGITANI	Nippon Medical School·Department of Endocrine Surgery·Professor	Yong Sang LEE	Gangnam Severance Hospital, Yonsei University College of Medicine·Department of Surgery·Associate Professor	Anaplastic Thyroid Cancer Database Project between Korea and Japan	2019/9/16	2019/9/20
Korea	National Research Foundation of Korea	Seminar	Takashi ISHIZONE	Tokyo Institute of Technology·School of Materials and Chemical Technology·Professor	Eunyoung KIM	Yonsei University·Chemical and Biomolecular Engineering·Professor	Korea–Japan Joint Symposium on Polymer Science 2019–From the fundamentals to the advanced functional materials	2019/9/18	2019/9/22
Korea	National Research Foundation of Korea	Seminar	Daisuke KOYA	Kanazawa Medical University·Medicine·Professor	Hunjoo HA	Ewha Womans University College·Pharmacology, Vascular Cell Biology·professor	The 18th Japan–Korea Diabetic Nephropathy Seminar	2019/10/24	2019/10/26
Korea	National Research Foundation of Korea	Seminar	Tomohiro YOKOZEKI	The University of Tokyo·Graduate School of Engineering·Associate Professor	Gun–Jin YUN	Seoul National University·Department of Aerospace Engineering·Associate Professor	Advanced structures and materials for morphing technology in future aircraft	2019/11/18	2019/11/21
Lithuania	The Research Council of Lithuania	Joint Research	Masaomi TANAKA	Tohoku University·National Astronomical Observatory of Japan·Assistant professor	Gediminas GAIGALAS	Vilnius University·Institute of Theoretical Physics and Astronomy·Professor	Development of Atomic Data for Heavy Elements toward Identification of Gravitational Wave Sources	2018/4/1	2020/3/31
Lithuania	The Research Council of Lithuania	Joint Research	Taisuke TOMITA	The University of Tokyo·Graduate School of Pharmaceutical Sciences·Professor	Ramune MORKUNIENE	Lithuanian University of Health Sciences·Department of Biochemistry, Medical Academy·Professor	Investigation of molecular factors of Alzheimer's disease: link between extracellular tau, beta-amyloid and neuroinflammation	2018/4/1	2020/3/31
Lithuania	The Research Council of Lithuania	Joint Research	Yoshiaki NISHIJIMA	Yokohama National University·Faculty of Engineering·Associate professor	Petruskevicius RAIMONDAS	Center for Physical Sciences and Technology·Institute of Physics·professor	Hybrid micro–ring resonators for hydrogen sensing	2019/4/1	2021/3/31
Lithuania	The Research Council of Lithuania	Joint Research	Kazunori KOGA	Kyushu University·Faculty of Information Science and Electrical Engineering·Associate Professor	Vida MILDAZIENE	Vytautas Magnus University·Faculty of Natural Sciences·Prof. habil. dr.	Early development of seedling stress response to seed treatment with component–controlled cold plasma	2019/4/1	2021/3/31
Lithuania	The Research Council of Lithuania	Seminar	Mai YAMAGUCHI	Japan Lutheran College·Department of Integrated Human Studies·Professor	Egle SUMSKIENE	Vilnius University·Department of Social Work and Social Welfare·Associate Professor	Technologies in social care: Considering future directions for social work professionals in Japan and Lithuania	2019/9/25	2019/9/29
Malaysia	Open Partnership	Joint Research	Takashi HIRANO	Hokkaido University·Research Faculty of Agriculture·Professor	Lulie MELLING	Sarawak Tropical Peat Research Institute·Director	Quantitative evaluation of the total carbon loss through land conversion from tropical peat swamp forest to an oil palm plantation	2018/4/1	2020/3/31
Malaysia	Open Partnership	Joint Research	Armando Tibigin QUITAIN	Kumamoto University·College of Cross–Cultural and Multidisciplinary Studies·Professor	Suzana YUSUP	Universiti Teknologi PETRONAS·Chemical Engineering Department/Cluster Leader Biomass, Center of Biofuel & Biochemical Research·Professor	Bio–oil Conversion of Oil Palm–Derived Lignin	2019/4/1	2021/3/31
Malaysia	Open Partnership	Joint Research	Makoto OHTA	Tohoku University·Institute of Fluid Science·Professor	Kahar Bin OSMAN	Universiti Teknologi Malaysia·School of Biomedical Engineering and Health Sciences·Professor	Hemodynamic Characteristics for Progress and Prevention of Cerebral Aneurysm	2019/4/1	2021/3/31
Malaysia	Open Partnership	Joint Research	Kousuke HANADA	Kyushu Institute of Technology·computer science·Associate professor	Wan ZUHAINIS SAAD	Universiti Putra Malaysia·Faculty of Biotechnology and Biomolecular Sciences·Associate Professor	Physiological changes of plants induced by various endophyte	2019/4/1	2021/3/31
Mexico	Open Partnership	Joint Research	Masakazu AGETSUMA	National Institutes of Natural Sciences·National Institute for Physiological Sciences·Project Associate Professor	Alberto Carrillo–Reid LUIS	National Autonomous University of Mexico·Neurobiology Institute·Assistant Professor (PI)	Collaborative development of optical and analytical methods to uncover brain computational mechanism underlying fear memory	2019/4/1	2021/3/31



## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Mongolia	Open Partnership	Joint Research	Kouichi KONNO	Iwate University•Science and Engineering•Professor	Enkhbayar ALTANTSETSEG	National University of Mongolia•Associate Professor	3D Measurement and Analysis of Cultural Assets in Mongolia	2018/4/1	2020/3/31
Myanmar	Open Partnership	Joint Research	Yoshi TAKAHASHI	Hiroshima University•Graduate School for International Development and Cooperation•Associate Professor	Aung KYAW	Monywa University of Economics•Department of Commerce•Professor	Train-the-Trainer for Industrial Human Resource Development	2018/4/1	2020/3/31
Myanmar	Open Partnership	Joint Research	Takeshi KOBAYASHI	Tokyo University of Marine Science and Technology•Faculty•Associate professor	Toe Soe TOE	University of Yangon•Department of Zoology•Lecturer	Biological research of large catfish in Myanmar's Ayeyarwady river using environmental DNA detection	2019/4/1	2021/3/31
Nepal	Open Partnership	Joint Research	Shuhei NOMURA	NCGM•Institute for Global Health Policy Research, Bureau of International Health Cooperation•Research Fellow	Jeevan Bahadur SHERCHAND	Tribhuvan University Teaching Hospital•Department of Clinical Microbiology, Institute of Medicine•Professor and Head	Assessment of the mid- to long-term health effects of Nepal's 2015 earthquake: toward disaster resilient health care systems	2018/4/1	2020/3/31
Netherlands	Open Partnership	Joint Research	Takuya MATSUMOTO	Osaka University•Graduate School of Science•Professor	Wilfred Van Der WIEL	University of Twente•Institute for Nanotechnology•Professor	Structuring and Functionalization of Neuromorphic computing devices by nanomaterial networks	2018/4/1	2020/3/31
Netherlands	Open Partnership	Joint Research	Daniel CITTERIO	KEIO UNIVERSITY•Faculty of Science and Technology•Professor	Maarten MERKX	Eindhoven University of Technology•Department of Biomedical Engineering•Professor	Paper-based antibody detection devices using luminescent sensing proteins	2018/4/1	2020/3/31
Netherlands	Open Partnership	Joint Research	Yasuhiro SAKEMI	The University of Tokyo•Graduate school of science•Professor	Klaus JUNGSMANN	University of Groningen•Van Swinderen Institute•Professor	Fundamental physics with laser cooled heavy elements	2018/8/1	2020/7/31
Netherlands	Open Partnership	Joint Research	Masahide YAMAGUCHI	Tokyo Institute of Technology•School of Science•Professor	Anupam MAZUMDAR	University of Groningen•Faculty of Science and Engineering•Associate Professor	Non-local field theory and its application to gravity and cosmology	2019/4/1	2021/3/31
Netherlands	Netherlands Organisation for Scientific Research	Seminar	Tomoyuki SHIRAI	Kyushu University•Institute of Mathematics for Industry•Professor	Frank DEN HOLLANDER	Leiden University•Mathematical Institute•Professor	Probabilistic Methods in Statistical Mechanics of Random Media and Random Fields	2019/5/27	2019/5/31
Netherlands	Netherlands Organisation for Scientific Research	Seminar	Noriyuki KAWANO	Hiroshima University•The Center for Peace, Hiroshima University•Professor, Director	Frank VAN VREE	NIOD Institute for War, Holocaust and Genocide Studies•NIOD Institute for War, Holocaust and Genocide Studies•Director, Professor	Hiroshima's Memorial Landscape: Framing East Asian Wartime Experiences since 1945	2019/10/15	2019/10/18
Netherlands	Netherlands Organisation for Scientific Research	Seminar	Yasutaka KAMEI	Kyushu University•Faculty of Information Science and Electrical Engineering•Associate Professor	Alexander SEREBRENIK	Eindhoven University of Technology•Department of Mathematics and Computer Science•Associate Professor	Japanese-Dutch Research Network on Mining Collaborative and Human Aspects from Software Repositories	2019/10/16	2019/10/18
New Zealand	Royal Society of New Zealand	Joint Research	Tohru IKEDA	Hokkaido University•Graduate School of Letters•professor	Bruce WARBURTON	Landcare Research•Wildlife Ecology and Management•Science Team Leader	Joint research on improved techniques, tools and strategies for managing invasive alien mammals	2018/4/1	2020/3/31
New Zealand	Royal Society of New Zealand	Joint Research	Shuji MIZUMOTO	Meijo University•Department of Pathobiochemistry, Faculty of Pharmacy•Assistant Professor	Stephen Peter ROBERTSON	University of Otago•Professor	Crosstalk of chondroitin sulfate and filamin in hereditary bone dysplasias	2019/4/1	2021/3/31
New Zealand	Royal Society of New Zealand	Joint Research	Masahiro KURATA	Kyoto University•Disaster Prevention Research Institute•Associate Professor	Quincy MA	the University of Auckland•civil and environmental engineering•Senior Lecturer	Advancement of Seismic Preparedness and Damage Prognosis Procedures of Hospitals	2019/4/1	2021/3/31
New Zealand	Royal Society of New Zealand	Joint Research	Kounosuke TOMORI	Tokyo University of Technology•School of Health Science•Associate professor	William Mark Magnus LEVECK	University of Otago•Rehabilitation Teaching & Research Unit, Department of Medicine•Associate Professor	Development of iPad application for goal-setting in rehabilitation for English and Asian countries.	2019/4/1	2021/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Norway	Open Partnership	Joint Research	Munetaka SHIMIZU	Hokkaido University•Faculty of Fisheries Sciences•Associate Professor	Tom Ole NILSEN	Uni Research AS and University of Bergen•Department of Environment•Senior Scientist and Adjunct Associate Professor	Control of the quality of juvenile salmon for aquaculture through integrating genetic and environmental factors	2018/8/1	2020/7/31
Norway	Open Partnership	Joint Research	Tetsuto MINAMI	Toyohashi University of Technology•Electronics–Inspired Interdisciplinary Research Institute•Associate Professor	Bruno LAENG	University of Oslo•Department of Psychology•Professor	Interaction with IT environment through pupillometry	2019/4/1	2021/3/31
Norway	Open Partnership	Joint Research	Masahiro EHARA	National Institutes of Natural Sciences•Okazaki Research Facilities•Professor	Trygve Ulf HELGAKER	University of Oslo•Department of Chemistry•Professor	Theoretical Chemistry of Supramolecules and Frameworks based on Metal Complexes	2019/4/1	2021/3/31
Philippines	Department of Science and Technology	Joint Research	Chiharu NAKASHIMA	Mie University•Graduate school of Bioresources•Associate Professor	Lourdes V. ALVAREZ	Polytechnic University of the Philippines•College of Science•Associate Professor	LAMP detection assays for anthracnose, stem–end rot and scab disease pathogens in Philippine 'Carabao' mango (Mangifera indica Linn.)	2017/4/1	2019/12/31
Philippines	Department of Science and Technology	Joint Research	Keisuke TOMINAGA	Kobe University•Molecular Photoscience Research Center•professor	Alvin Karlo G. TAPIA	University of the Philippines Los Banos•Institute of Mathematical Sciences and Physics•Assistant Professor	development of the high performance THz emitter and detector and its application to material science	2018/4/1	2020/3/31
Philippines	Department of Science and Technology	Joint Research	Satoshi OHKURA	Nagoya University•Graduate School of Bioagricultural Sciences•Professor	Rommel C. SULABO	University of the Philippines Los Banos•Institute of Animal Science•Professor	Study on novel feeding systems using copra meal in swine production in Philippines	2018/4/1	2020/3/31
Philippines	Department of Science and Technology	Joint Research	Katsunori MIZUNO	The University of Tokyo•Graduate School of Frontier Sciences•Assistant Professor	Lea A. JIMENEZ	Davao Oriental State University•Regional Integrated Coastal Resource Management Center•Professor	Development of Comprehensive Coastal Ecosystem–based System for Environmental Integrity in Pujada and Mayo Bays, Philippines	2019/4/1	2021/3/31
Philippines	Department of Science and Technology	Joint Research	Nobuhiko SARUKURA	Osaka University•Institute of Laser Engineering•Professor	Arnel Angud SALVADOR	University of the Philippines•National Institute of Physics•Professor	Radiation damage investigations on functional materials: Material development, analysis, and informatics	2019/4/1	2021/3/31
Poland	Polish Academy of Sciences	Joint Research	Kazuma OGAWA	Kanazawa University•Institute for Frontier Science Initiative•Associate Professor	Renata JASTRZAB	Adam Mikiewicz University•Faculty of Chemistry•Associate Professor	Porphyrin derivative complexes for theranostics by tumor–imaging and photodynamic therapy	2018/4/1	2020/3/31
Poland	Polish Academy of Sciences	Joint Research	Hiroyuki KITAHATA	Chiba University•Graduate School of Science•Associate Professor	Jerzy GORECKI	Polish Academy of Sciences•Institute of Physical Chemistry•Professor	Spatio–temporal patterns of elements driven by self–generated flows under geometrical constraints	2018/4/1	2020/3/31
Poland	Polish Academy of Sciences	Joint Research	Hideo YOSHIDA	Kyoto University•Graduate School of Engineering•Professor	Janusz Stanislaw SZMYD	AGH University of Science and Technology•Faculty of Energy and Fuels•Professor	Development of mesoscale electrode–electrolyte interfaces in SOFCs using 3D printing for efficient energy conversion	2019/4/1	2021/3/31
Poland	Polish Academy of Sciences	Joint Research	Fumihiko TANAKA	Kyushu University•Faculty of Agriculture•Professor	Artur ZDUNEK	Institute of Agrophysics, Polish Academy of Sciences•Department of Microstructure and Mechanics of Biomaterials•Professor	Modeling of fibre–based nanostructures for designing new biocomposites	2019/4/1	2021/3/31
Poland	Polish Academy of Sciences	Seminar	Koji KIMURA	Okayama University•Graduate School of Environmental and Life Science•Professor	Dariusz Jan SKARZYNSKI	Polish Academy of Science•Institute of Animal Reproduction and Food Research•Professor	Cutting Edge of Reproductive Physiology – Key processes for birth of a new life –	2019/9/9	2019/9/12
Portugal	Open Partnership	Joint Research	Atsushi YOSHIMOTO	ROIS•Institute of Statistical Mathematics•Professor	Nuno M.C.A. RIBEIRO	University of Evora•Institute of Agricultural Science & Mediterranean •Professor Auxiliar	Ecologically adaptive management system for sustainable use of cork oak woodlands through integration of growth modeling and mathematical programming frameworks	2017/7/1	2019/6/30

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Portugal	Open Partnership	Joint Research	Michiya MATSUSAKI	Osaka University•Graduate School of Engineering•Associate Professor	Joao F. MANO	University of Aveiro•Department of Chemistry, CICECO-Aveiro Institute of Materials•Professor	Development of Compartmentalization Technology by Artificial Basement Membrane for Construction of Ordered 3D-Tissues	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Naohisa TAKAGAKI	UNIVERSITY OF HYOGO•Graduate School of Engineering•Assistant Professor	Yuliya TROITSKAYA	Institute of Applied Physics, Russian Academy of Sciences•Division of Geophysical Research•Head of Department of Nonlinear Geophysical Processes	Laboratory modeling of complex phenomena in marine atmospheric boundary layer at severe storm responsible for air-sea heat-mass and momentum exchange	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Mikiko SIOMI	The University of Tokyo•Graduate School of Science•Professor	Vladimir Alexeevich GVOZDEV	Russian Academy of Sciences•Institute of Molecular Genetics•Professor	Piwi-piRNA silencing system in modulation of transposon and rDNA genes expression	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Shin-Ichi OHIRA	Kumamoto University•Faculty of Advanced Science and Technology•Associate Professor	Vladimir OBOLKIN	Limnological Institute, Siberian Branch of Russian Academy of Science•Senior researcher	Investigation of biogenic chemicals produced by Lake Baikal phytoplankton during its under-ice blooming	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Noritaka USAMI	Nagoya University•Graduate School of Engineering•Professor	Alexey V. NOVIKOV	Russian Academy of Sciences•Institute for Physics of Microstructures•Head of the laboratory of molecular beam epitaxy	Photonic nanostructures for high efficiency flexible solar cells based on thin crystalline silicon	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Hiroaki KOBAYASHI	Tohoku University•Graduate School of Information Sciences•Professor	Vladimir Valentinovich VOEVODIN	Moscow State University•Research Computing Center•Director and Professor	Theory and Practice of Vector Data Processing at Extreme Scale: Back to the Future	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Shuji HASEGAWA	The University of Tokyo•Graduate School of Science•Professor	Alexander SARANIN	Institute of Automation and Control Processes, Russian Academy of Sciences•Department of Surface Physics•Deputy Director	Surface two-dimensional materials at temperatures approaching zero	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Mitsuteru INOUE	Toyohashi University of Technology•Faculty of Engineering•Professor	Andrey Anatolyevich FEDYANIN	Moscow State University•Faculty of Physics•Professor	Fundamentals and applications of magneto-photonic nanostructures	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Ikuo MIURA	Hiroshima University•Amphibian Research Center•Associate Professor	Vladimir VERSHININ	Ural Federal University•Institute of natural Sciences and Mathematics•Professor	Molecular mechanisms of hybridogenesis (genome elimination)	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Kenji NANBA	Fukushima University•Institute of Environmental Radioactivity•Director	Valentin Nikolaevich GOLOSOV	Lomonosov Moscow State University•Geography Faculty•Professor	Assessment and prediction of sediment and radionuclide fluxes in river basin affected by severe nuclear accident	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Kenji YASUOKA	KEIO UNIVERSITY•Faculty of Science and Technology•Professor	Alexander Kimovich SHCHEKIN	Saint Petersburg State University•Department of Statistical Physics•Professor	Mechanism of molecular water adsorption on small spherical particles: wettability, size and surface roughness effects, electrostatic contributions from adsorbed charges and dipoles	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Taiichi OTSUJI	Tohoku University•Research Institute of Electrical Communication•Professor	Sergey Vyacheslavovich MOROZOV	Institute for Physics of Microstructures, Russian Academy of Sciences•Department for Physics of Semiconductors•Professor, Head of the Laboratory	Study on nanostructures with the Dirac dispersion law as gain media for the terahertz radiation	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Shin KAJITA	Nagoya University•Institute of Materials and Systems for Sustainability•Associate Professor	Sergey Alexandrovich BARENGOLTS	Russian Academy of Sciences•Prokhorov General Physics Institute•Head of Laboratory	Characterization of arcing initiated on metal surfaces with giant nano-structures	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Nobuhiro TERUNUMA	High Energy Accelerator Research Organization•Accelerator Laboratory•Professor	Alexander Petrovich POTYLITSYN	Tomsk Polytechnic University•Department of Applied Physics•Professor	Investigation of coherent diffraction radiation in resonant conditions for developing an intense monochromatic radiation source	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Russian Federation	Russian Foundation for Basic Research	Joint Research	Mikiya MASUDA	Osaka City University•Graduate School of Science•Professor	Alexander Aleksandrovich GAIFULLIN	Steklov Institute•Principal Researcher	Topology and geometry of torus actions, cohomological rigidity, and hyperbolic manifolds	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Shigeki TOKITA	Osaka University•Institute of Laser Engineering•Associate Professor	Fedor Viktorovich POTEMKIN	M. V. Lomonosov Moscow State University•Faculty of Physics•Associate Professor	Physical principles in the development of mid-IR femtosecond oscillators based on Fe:ZnSe	2018/4/1	2020/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Ryuichi MASUDA	Hokkaido University•Faculty of Science•Professor	Alexei V ABRAMOV	Zoological Institute Russian Academy of Sciences•Laboratory of Mammalogy•Senior Researcher	Diversity and evolution of Palearctic Carnivora: genetic and morphological approaches	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Hiroyuki NAKAMURA	Tokyo Institute of Technology•Institute of Innovative Research•Professor	Igor B. SIVAEV	Russian Academy of Sciences•A.N. Nesmeyanov Institute of Organoelement Compounds•Leading Research Scientist	Development of tumor-accumulative gadolinium-boron conjugates for MRI-guided neutron capture therapy	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Hidetoshi AWATA	Nagoya University•Graduate School of Mathematics•associate professor	Alexei Alexeevich MOROZOV	Institute for Information Transmission Problems of the Russian Academy of Sciences•senior scientific researcher	Elliptic algebras, vertex operators and link invariants	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Hiromichi ITOU	Tokyo University of Science•Faculty of Science•Associate Professor	Evgeny Mikhaylovich RUDOY	Siberian Branch of the Russian Academy of Sciences•Lavrentyev Institute of Hydrodynamics•Deputy Director	Mathematical analysis of fracture phenomena for elastic structures and its applications	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Yoshihito OHMURA	National Museum of Nature and Science•Department of Botany•Senior curator	Evgeny Alexandrovich DAVYDOV	Altai State University•Faculty of Biology•Curator	Morphological and molecular phylogenetic study for the diversity of lichenized fungi of alpine-subalpine zones in southern Far East Russia and Japan	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Goo ISHIKAWA	Hokkaido University•Faculty of Science•Professor	Alexey Alexandrovich DAVYDOV	Lomonosov Moscow State University•Functional Analysis and Its Applications Department•Full Professor	Singularity Theory and its Applications in Differential Geometry and Differential Equations	2019/4/1	2021/1/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Hitomi NAKAMURA	National Institute of Advanced Industrial Science and Technology•Research Institute of Earthquake and Volcano Geology•Senior Researcher	Natalia Aleksandrovna KHARITONOVA	Lomonosov Moscow State University/Russian Academy of Sciences•Geological Department, Far East Geological Institute•Professor/ Chief Researcher	Geofluid circulation and crustal environment at the eastern margin of Eurasia	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Nozomu TOMINAGA	KONAN UNIVERSITY•Faculty of Science and Engineering•Professor	Sergey Ivanovich BLINNIKOV	National Research Center "Kurchatov institute" Institute of Theoretical and Experimental Physics•Laboratory for Astrophysics and Plasma Physics•Principal Scientist	Multi-dimensional radiation hydrodynamics of supernovae and prospects for observations	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Junichiro SHIOMI	The University of Tokyo•School of Engineering•Professor	Yuriy KOSEVICH	Russian Academy of Sciences•Semenov Institute of Chemical Physics•Professor	Controlling coherent effects in phonon transport and energy transfer by nano-inclusions	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Shinichiro OYAMA	Nagoya University•Institute for Space-Earth Environmental Research•Lecturer	Alexander Grigorievich YAHNIN	Polar Geophysical Institute•Head of Laboratory of Magnetosphere-Ionosphere Physics	Integrated analysis of auroral and subauroral phenomena using the data from ERG spacecraft and Russian and Japanese ground-based facilities in North-West Russia and Scandinavia	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Vasyl YOSCHENKO	Fukushima University•Institute of Environmental Radioactivity•Project Professor	Stanislav GERAS'KIN	Russian Institute of Radiology and Agroecology•Head of laboratory	Elucidation of mechanisms of radiobiological effects in Japanese red pine at the territories contaminated as a result of the accident at the Fukushima Dai-Ichi Nuclear Power Plant	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Yasuhiko JIMBO	The University of Tokyo•School of Engineering•Professor	Alexey PIMASHKIN	Nizhny Novgorod State University•Researcher	Development of hybrid neural networks with complex cellular structure and heterogeneous architecture for technology of next-level scaffold brain implants	2019/4/1	2021/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Russian Federation	Russian Foundation for Basic Research	Joint Research	Tatsuya TOMO	Tokyo University of Science•Faculty of Science•Professor	Suleyman I ALLAKHVERDIEV	Russian Academy of Science•Institute of Basic Biology•Professor	The utilization of chlorophylls absorbing low energy photons for perspectives of bioenergetics	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Franco NORI	RIKEN•RIKEN Cluster for Pioneering Research•Chief Scientist	Alexandr L. RAKHMANOV	Institute for Theoretical and Applied Electrodynamics, Russian Academy of Science•Solid State Theory Group•Laboratory Head	Inhomogeneous two-dimensional systems with interactions	2019/4/1	2021/3/31
Russian Federation	Russian Foundation for Basic Research	Joint Research	Satoshi KASHIWAYA	Nagoya University•Graduate School of Engineering•Professor	Yakov FOMINOV	L.D.Landau Institute for Theoretical Physics•Sector of Quantum Mesoscopics•Researcher	Spectroscopy of Superconductors: odd-frequency pairing and topology	2019/4/1	2021/3/31
Serbia	Open Partnership	Joint Research	Akimitsu OKAMOTO	The University of Tokyo•Research Center for Advanced Science and Technology•Professor	Melita VIDAKOVIC	University of Belgrade•Institute for Biological Research•Group Leader	Identification of a novel DNA (de)methylating agents using MeFISH method: Potential application in the treatment of diabetes	2019/4/1	2021/3/31
Singapore	National University of Singapore	Joint Research	Yuji WADA	Tokyo Institute of Technology•School of Materials and Chemical Technology•Professor	Tze Chien SUM	Nanyang Technological University•School of Physical & Mathematical Sciences•Associate Professor	Interfacial Engineering for High-Efficiency Perovskite Solar Cells	2018/4/1	2020/3/31
Singapore	National University of Singapore	Joint Research	Hiroataka TAKAHASHI	National University Corporation Ehime University•Proteo-Science Center•Senior Assistant Professor	Subhash VASUDEVAN	Duke-NUS Graduate Medical School•Emerging Infectious Disease Program•Professor	Identification and functional analysis of host proteins that bind to non-structural protein of dengue virus and regulate replication of dengue virus in host cells	2018/4/1	2020/3/31
Singapore	National University of Singapore	Joint Research	Takeaki OZAWA	The University of Tokyo•School of Science•Professor	Bengang XING	Nanyang Technological University•School of Physical and Mathematical Sciences•Associate Professor	Unique Optogenetic Strategy for Dynamic Regulation of Signaling Pathways through NIR Light Converted Nano-platform	2018/4/1	2020/3/31
Singapore	National University of Singapore	Joint Research	Takafumi UENO	Tokyo Institute of Technology•School of Life Science and Technology•Professor	Kelin XIA	Nanyang Technological University•School of Physical and Mathematical Science•Assistant Professor	Elucidation of Dynamic Opening and Closing Mechanism of Giant Protein Cage “Vault”	2019/4/1	2021/3/31
Singapore	National University of Singapore	Joint Research	Hideo SAWADA	Tokyo University of Foreign Studies•Research Institute for Languages and Cultures of Asia and Africa•Professor	Alexander Robertson COUPE	Nanyang Technological University•School of Humanities•Associate Professor	Ethnolinguistic contact across the Indo-Myanmar-Southwestern China mountains: migration routes, intercultural interactions, and linguistic outcomes	2019/4/1	2021/3/31
Singapore	National University of Singapore	Joint Research	Eiichi NAKAKITA	Kyoto University•Disaster Prevention Research Institute•Professor	Sek Man WONG	National University of Singapore•Tropical Marine Science Institute•Director	Investigating climate risk hazards due to extreme rainfall and typhoons in the Southeast/East Asian region towards enhanced adaptation measures	2019/4/1	2021/3/31
Singapore	National University of Singapore	Seminar	Yoshiaki KAWAJIRI	Nagoya University•Graduate School of Engineering•Professor	Jun DING	National University of Singapore•Department of Materials Science and Engineering•Professor	Cyber/Physical System in Energy-Efficient Smart Cities: From Materials Design, Alternative Energy Technologies to Intelligent Systems and Operations	2019/11/3	2019/11/5
Slovenia	Ministry of Education, Science and Sport	Joint Research	Tetsuo SAKKA	Kyoto University•Graduate School of Engineering•Professor	Peter GREGORCIC	University of Ljubljana•Faculty of Mechanical Engineering•Assistant Professor	Nanoprocessing by laser ablation in water investigated by optical probes and plasma emission spectroscopy	2018/4/1	2020/3/31
Slovenia	Ministry of Education, Science and Sport	Joint Research	Naofumi SHIMOKAWA	JAIST•Graduate School of Advanced Science and Technology•Assistant Professor	Klemen BOHINC	University of Ljubljana•Faculty of Health Sciences•Assistant Professor	Interaction between charged particles and lipid membranes	2018/4/1	2020/3/31
Slovenia	Ministry of Education, Science and Sport	Joint Research	Mami NODA	Kyushu University•Graduate School of Pharmaceutical Sciences•Associate Professor	Robert ZOREC	University of Ljubljana•Institute of Pathological Physiology•Professor	Molecular mechanism of dementia/psychiatric symptoms due to abnormal thyroid hormone	2018/4/1	2020/3/31
Slovenia	Ministry of Education, Science and Sport	Joint Research	Naoki SUGIMOTO	KONAN UNIVERSITY•Frontier Institute for Biomolecular Engineering Research•Professor	Janez PLAVEC	National Institute of Chemistry•Slovenian NMR center•Professor	Quantitative analysis for the non-canonical structures of pathogenic related nucleic acids	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Slovenia	Ministry of Education, Science and Sport	Joint Research	Tomonari DOTERA	Kinki University•Faculty of Science and Engineering•Professor	Primoz ZIHERL	University of Ljubljana•Faculty of Mathematics and Physics•Professor	Design of quasicrystals and skyrmions in soft matter – The discovery of innovative materials structures –	2019/4/1	2021/3/31
Slovenia	Ministry of Education, Science and Sport	Joint Research	Satoshi MURAYAMA	Kagawa University•Faculty of Education•Professor	Zarko LAZAREVIC	Institute of Contemporary History•Professor	Sustainable living spaces: a comparative approach to modernization in rural Japan and Slovenia during the Anthropocene (1800–present)	2019/4/1	2021/3/31
Slovenia	Ministry of Education, Science and Sport	Joint Research	Osamu SAITO	The Institute for Global Environmental Strategies•Institute for the Advanced Study of Sustainability•Academic Programme Officer	Matija ZORN	Research Center of the Slovenian Academy of Sciences and Arts (ZRC SAZU)•Anton Melik Geographical Institute•Research Advisor and Assistant Professor	Sustainable management of commons in socio-ecological production landscapes in Slovenia and Japan	2019/4/1	2021/3/31
Slovenia	Ministry of Education, Science and Sport	Joint Research	Takeshi OHSHIMA	National Institutes for Quantum and Radiological Science and Technology•Quantum Beam Science Research Directorate, Takasaki Advanced Radiation Research Institute•Senior Principal Researcher	Luka SNOJ	Institute Jozef Stefan•Department head	Optimization of neutron converting components for enhanced performance of silicon carbide based neutron detectors	2019/4/1	2021/3/31
Slovenia	Open Partnership	Joint Research	Kohei WATANABE	Chukyo University•School of International Liberal Studies•Associate Professor	Ales HOLOBAR	University of Maribor•Faculty of Electrical Engineering and Computer Science•Professor	Quantification and early-detection of ageing in central nervous system and skeletal muscles from high-density surface electromyograms	2019/4/1	2021/3/31
South Africa	National Research Foundation	Joint Research	Kohei MAKITA	RAKUNO GAKUEN UNIVERSITY•School of Veterinary Medicine•Associate Professor	Claude SABETA	Agricultural Research Council Onderstepoort Veterinary Institute•OIE Rabies Reference Laboratory•Research Team Manager	Spatial temporal analysis of animal and human rabies cases in South Africa: 1997–2017	2018/4/1	2020/3/31
South Africa	National Research Foundation	Joint Research	Yasuo YABE	Tohoku University•Graduate School of Science•Associate Professor	Musa S.D. MANZI	University of the Witwatersrand•School of Geosciences•Senior Researcher	Stress states and seismic structures beneath gold mines in the source area of M5.5 Orkeny earthquake	2018/4/1	2020/3/31
South Africa	National Research Foundation	Joint Research	Kenichi NONAKA	Rikkyo University•College of Arts•Professor	Luiza DE SOUSA	North–West University•Faculty of Education Science•Senior lecturer	Lessons from Japan regarding indigenous knowledge related to the use of beneficial insects to enhance teacher professional development in South Africa	2018/4/1	2020/3/31
South Africa	National Research Foundation	Joint Research	Takuro NUNOURA	JAMSTEC•Research and Development (R&D) Center for Marine Biosciences•Deputy Director	Thulani Peter MAKHALANYANE	University of Pretoria•Department of Genetics•Senior Lecturer	Disentangling the role of chemolithotrophs in the Pacific and Southern Oceans	2018/4/1	2020/3/31
South Africa	National Research Foundation	Joint Research	Keiko SASAKI	Kyushu University•Faculty of Engineering•Professor	Susan HARRISON	University of Cape Town•Department of Chemical Engineering•Professor	Biotechnological approaches to facilitate metal recovery from refractory carbonaceous mineral ores	2019/4/1	2021/3/31
South Africa	National Research Foundation	Joint Research	Tomohisa HASUNUMA	Kobe University•Engineering Biology Research Center•Professor	Riaan DEN HAAN	University of the Western Cape•Senior Lecturer	Development of a novel yeast strain for bioproduction by optimization of cell morphology and secretion mechanisms	2019/4/1	2021/3/31
South Africa	National Research Foundation	Joint Research	Yasuhiro OKAMOTO	Okayama University•Graduate School of Natural Science and Technology•Associate Professor	Esther Titilayo AKINLABI	University of Johannesburg•Faculty of Engineering and the Built Environment•Professor	Joint integrity evaluation of additive manufacturing and laser welding of Ti6Al4V	2019/4/1	2021/3/31
South Africa	National Research Foundation	Joint Research	Kiyoshi UMEYA	Kobe University•Graduate School of Intercultural Studies•Professor	Marlon Burgess SWAI	University of Cape Town•Faculty of Humanity•Lecturer	Human Resilience in the face of man-made and natural disaster in Japan and South Africa: Ethnographic Perspective	2019/4/1	2021/3/31
Spain	Open Partnership	Joint Research	Katsuhiko SHIMIZU	Tottori University•Organization for Regional Industrial Academic Cooperation•Associate Professor	Manuel MALDONADO	Centro de Estudios Avanzados de Blanes•Department of Marine Ecology•Senior Scientist	Study on structure, function and evolution of the proteins involved in silica biominerals in Homoscleromorpha sponges	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Spain	Open Partnership	Joint Research	Ryutaro TAO	Kyoto University•Graduate School of Agriculture•Professor	Ana WUNSCH	Center of Agricultural Investigation and Technology of Aragon (CITA)• Horticultural Research Department• Principle Researcher	Identification of the Prunus-specific pollen-part modifier in the gametophytic self-incompatibility system through the novel genome analysis for non-model plants	2018/4/1	2020/3/31
Spain	Open Partnership	Joint Research	Makoto TAKAFUJI	Kumamoto University•Faculty of Advanced Science and Technology• Associate Professor	Eugenio CORONADO	University of Valencia•Institute of Molecular Science (ICMo)•Professor	Development of photo-sensing polymer hybrid with nano-dispersed photo-functional molecular gels	2018/9/1	2020/8/31
Spain	Open Partnership	Joint Research	Wataru YAMAZAKI	Kyoto University•Center for Southeast Asian Studies•Professor	Covadonga Marti ALONSO	National Institute for Agricultural and Food Research and Technology• Department of Biotechnology•Director	Development and evaluation of the innovative technology for the control of African swine fever	2019/4/1	2021/3/31
Spain	Open Partnership	Joint Research	Toshiro OHASHI	Hokkaido University•Faculty of Engineering•Professor	Ricardo Manuel IBARRA	University of Zaragoza•Institute of Nanoscience of Aragon•Professor	Investigation of Endothelial Mechanotransduction Mechanism by using Magnetic Nanobeads	2019/4/1	2021/3/31
Sri Lanka	Open Partnership	Joint Research	Naoaki YOKOYAMA	Obihiro University of Agriculture and Veterinary Medicine•National Research Center for Protozoan Diseases•Professor	Seekkuge Susil Priyantha SILVA	Department of Animal Production and Health•Veterinary Research Institute• Director	Research and development of on-site diagnostic tools applicable for detecting bovine babesiosis in Sri Lanka	2017/9/1	2019/8/31
Sri Lanka	Open Partnership	Joint Research	Norio TANAKA	SAITAMA UNIVERSITY•Graduate School of Science and Engineering• Professor	Tilak PRIYADARSHANA	University of Ruhuna•Professor	Development of the ecosystem-based disaster risk reduction method and the evaluation of mitigation potential in Sri Lanka	2018/4/1	2020/3/31
Sweden	The Swedish Foundation for International Cooperation in Research and Higher Education	Joint Research	Kazuhiko TAKEUCHI	The University of Tokyo•Integrated Research System for Sustainability Science•Professor	Thomas ELMQVIST	Stockholm University•Stockholm Resilience Center•Professor	Urban Sustainability and Resilience Initiative for livable and healthy cities	2017/4/1	2020/3/31
Sweden	The Swedish Foundation for International Cooperation in Research and Higher Education	Joint Research	Masayuki IMAI	Tohoku University•Graduate School of Science•Professor	Ulf OLSSON	Lund University•Faculty of Science• Professor	Controlled, on-demand self-reproduction of lipid vesicles	2018/4/1	2020/3/31
Sweden	The Swedish Foundation for International Cooperation in Research and Higher Education	Joint Research	Motoharu ONUKI	The University of Tokyo•Graduate School of Frontier Sciences• Associate Professor	Magnus ANDERSSON	Malmö University•Department of Urban Studies•Associate Professor	Research Platform of Equitable and Efficient Mobility for Societal Challenges (REEMOS): Comparative studies on Japanese and Swedish experiences of the mobility development	2018/4/1	2021/3/31
Sweden	The Swedish Foundation for International Cooperation in Research and Higher Education	Joint Research	Akira HIRASAWA	Okayama University•Department of Obstetrics and Gynecology, School of Medicine•Assistant Professor	Lao SAAL	Lund University•Division of Oncology and Pathology, Department of Clinical Sciences•Head, Translational Oncogenomics Unit, Assistant Professor	Monitoring tumor-specific circulating DNA aimed for precision medicine of ovarian cancer	2018/4/1	2020/3/31
Sweden	The Swedish Foundation for International Cooperation in Research and Higher Education	Joint Research	Kiyoshi MURATA	MEIJI UNIVERSITY•School of Commerce•Professor	Thomas Taro LENNERFORS	Uppsala University•Department of Engineering Sciences•Senior Lecturer and Associate Professor	Information and Communication Technology for Sustainability and Ethics: Cross-national Studies between Japan and Sweden	2018/4/1	2021/3/31
Sweden	The Swedish Foundation for International Cooperation in Research and Higher Education	Joint Research	Takashi IZUMI	National University Corporation Gunma University•Graduate School of Medicine•Professor	Craig Edward WHEELLOCK	Karolinska Institutet•Department of Medical Biochemistry and Biophysics• Associate Professor	Exploring the exposome to elucidate relationships between environmental exposure and onset of allergy and respiratory disease	2018/4/1	2021/3/31
Sweden	The Swedish Foundation for International Cooperation in Research and Higher Education	Joint Research	Shinji SATO	Kochi University of Technology• School of Engineering•Professor	Magnus LARSON	Lund University•Division of Water Resources Engineering•Professor	Coastal flooding and topography change due to mega tsunami	2018/6/1	2020/3/31
Sweden	The Swedish Foundation for International Cooperation in Research and Higher Education	Joint Research	Takashi MATSUWAKI	The University of Tokyo•Graduate School of Agricultural and Life Sciences•Assistant Professor	Anders BLOMQVIST	Linköping University•Department of Clinical and Experimental Medicine• Professor	A novel thermoregulatory system depending on estrus cycle	2019/4/1	2022/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Sweden	The Swedish Foundation for International Cooperation in Research and Higher Education	Joint Research	Shimpei IWASAKI	Fukuoka Women's University • International College of Arts and Sciences • Associate Professor	Pimkamol MATTSSON	Lund University • Department of Architecture and Built Environment • Researcher	Cross-Cultural Study on Development and Evaluation of Environmental Education Tools in Preschools to Promote Pro-Environmental Behaviors in Japan and Sweden	2019/4/1	2022/3/31
Sweden	The Swedish Foundation for International Cooperation in Research and Higher Education	Joint Research	Masayuki YAMAMOTO	Tohoku University • Graduate School of Medicine • Professor	Elias ARNER	Karolinska Institute • Division of Biochemistry • Professor	Karolinska Institutet–Tohoku University Redox and Biobank Network (KIT–ReBioN)	2019/4/1	2022/3/31
Switzerland	Open Partnership	Joint Research	Masahiro TSUJI	Kyoto Women's University • National Cerebral and Cardiovascular Center • Laboratory Chief	Stephane V. SIZONENKO	School of Medicine, University of Geneva • Developmental Pediatrics • Deputy–head of division – Assistant Professor	To better understand the pathophysiology leading from low birth weight to attention deficit/hyperactivity disorder and to develop lactoferrin therapy	2018/4/1	2020/3/31
Switzerland	Open Partnership	Joint Research	Tadahiro YAMASHITA	KEIO UNIVERSITY • Faculty of Science and Technology • Assistant Professor	Viola VOGEL	ETH Zurich • Department of Health Sciences and Technology • Professor	Development of a biocompatible mechano–chromic hydrogel for 3D visualization of cellular traction force	2019/4/1	2021/3/31
Switzerland	Open Partnership	Seminar	Norio KAWAKAMI	Kyoto University • Graduate School of Science • Professor	Manfred SIGRIST	ETH Zuerich • Department of Physics • Professor	Trends in Theory of Correlated Materials TTCM2019	2019/10/6	2019/10/9
Taiwan	Open Partnership	Joint Research	Jun SAIKI	Kyoto University • Graduate School of Human and Environmental Studies • Professor	Su-Ling YEH	National Taiwan University • Department of Psychology • Professor	Understanding our environment: Interactive mechanisms among objects, others and self representations mediated by meta–cognition and implicit learning	2018/4/1	2020/3/31
Taiwan	Open Partnership	Joint Research	Masanobu KANEKO	Kyushu University • Faculty of Mathematics • Professor	Jing YU	National Taiwan University • Department of Mathematics • Professor	Variations of multiple zeta values	2018/4/1	2020/3/31
Taiwan	Open Partnership	Joint Research	Ching-Ying TSOU	National University Corporation HIROSAKI UNIVERSITY • Faculty of Agriculture and Life Science • Assistant Professor	Su-Chin CHEN	National Chung Hsing University • College of Agriculture and Natural Resources • Professor	Creating plans for mitigation of large-scale sediment-related disasters: Prediction of deep-seated landslides and the generation of sediment	2019/4/1	2021/3/31
Taiwan	Open Partnership	Joint Research	Arimune MUNAKATA	Miyagi University of Education • Education • Associate professor	Tung Wei SHIH	National museum of marine science and technology • Industry–academy corporation division • Section chief	Conservation of Taiwan salmon and development of exhibition in museum	2019/4/1	2021/3/31
Tanzania	Open Partnership	Joint Research	Mako TOYODA	Kumamoto University • Center for AIDS Research • Assistant professor	Eligius Francis LYAMUYA	Muhimbili University of Health and Allied Sciences • School of Medicine • Professor	Cohort study of HIV reservoirs in a developing country aiming for improving treatment strategies	2019/4/1	2021/3/31
Thailand	National Research Council of Thailand	Joint Research	Takashi YAMAGUCHI	Nagaoka University of Technology • Department of Science of Technology Innovation • Professor	Suraraksa BENJAPHON	National Center for Genetic Engineering and Biotechnology • Waste Utilization and Management Laboratory • Senior Researcher	Establishment of syntrophic microbial community improving efficiency of methane production from agro–industrial wastewaters	2017/4/1	2020/3/31
Thailand	National Research Council of Thailand	Joint Research	Sotaro CHIBA	Nagoya University • Graduate School of Bioagricultural Sciences • Designated Associate Professor	Ratiya PONGPISUTTA	Kasetsart University • Faculty of Agriculture at Kamphaeng Saen Campus • Assistant Professor	Screening for mycoviruses potentially controlling plant devastating anthracnose disease	2017/4/1	2020/3/31
Thailand	National Research Council of Thailand	Joint Research	Takanori MIYAKE	Kansai University • Faculty of Environmental and Urban Engineering • Professor	Piyasan PRASERTHDAM	Chulalongkorn University • Professor	Biomass-derived value-added chemicals via metal- and photo-catalysts	2018/4/1	2021/3/31
Thailand	National Research Council of Thailand	Joint Research	Hiroharu AJIRO	NAIST • Institute for Research Initiatives • Associate Professor	Chantiga CHOOCHOTTIROS	Kasetsart University • Department of Materials Science, Faculty of Science • Lecturer	Composites of Chitosan and Bioabsorbable Synthetic Polymers for Skin Wound Healing Materials	2018/4/1	2021/3/31
Thailand	National Research Council of Thailand	Joint Research	Daisuke SUGIYAMA	Kyushu University • Faculty of Medical Sciences • Professor	Suradej HONGENG	Mahidol University • Faculty of Medicine Ramathibodi Hospital • Professor	Expansion of cord blood hematopoietic stem cells by using bio-active peptide	2018/4/1	2021/3/31



## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Thailand	National Research Council of Thailand	Joint Research	Mitsuhiko HATA	Kanazawa University•Institute of Science and Engineering•Associate Professor	Perapong TEKASAKUL	Prince of Songkla University•Faculty of Engineering•Associate Professor, Vice President for Research System and Graduate Studies	PM0.1 Real-time Sensor Development for Atmospheric Monitoring and Applications to an International Network and Health Risk Management in a Smart City	2019/4/1	2022/3/31
Thailand	National Research Council of Thailand	Joint Research	Chie SOTOZONO	KPUM•Medicine•Professor	Vilavun PUANGSRICHARERN	Chulalongkorn University•Medicine•Associate Professor	Translational Research of Corneal Regenerative Medicine in Thailand	2019/4/1	2022/3/31
Tunisia	Ministry of Higher Education, Scientific Research and Technology in Tunisia	Seminar	Mitsutoshi NAKAJIMA	University of Tsukuba•Alliance for Research on the Mediterranean and North Africa•Professor	Ali MTIRAOU	University of Sousse•President, Professor	Tunisia–Japan Symposium on Science, Society and Technology	2019/11/29	2019/12/1
Turkey	Scientific and Technological Research Council of Turkey	Joint Research	Shiro Ikegawa	RIKEN•Integrative Medical Sciences•Laboratory Head	Nursel Hurye ELCIOGLU	Marmara University Pendik Hospital•Department of Pediatric Genetics,•Professor	Large-scale genome study for genetic skeletal diseases	2018/4/1	2020/3/31
Turkey	Scientific and Technological Research Council of Turkey	Joint Research	Masami OTSUKA	Kumamoto University•Faculty of Life Sciences•professor	Safiye Emirdag OZTURK	Ege University•Faculty of Science, Department of Chemistry•Associate Professor	Design, synthesis, activity evaluation of anti-cancer agents based on gypsogenin, a pentacyclic triterpene	2018/4/1	2020/3/31
Turkey	Scientific and Technological Research Council of Turkey	Joint Research	Akiyo ISHIDA(YATAGAI)	National University Corporation HIROSAKI UNIVERSITY•Faculty of Science and Technology•Professor	Elcin KENTEL	Middle East Technical University•Civil Engineering, Water Resources Laboratory•Professor	Assessment of Climate Change Impacts on Streamflow and Hydropower in Antalya, Turkey	2019/4/1	2021/3/31
Turkey	Scientific and Technological Research Council of Turkey	Joint Research	Yoshito ANDO	Kyushu Institute of Technology•Organization for promotion of research and innovation•Associate Professor	Esra YEL	Konya Technical University•Engineering•Associate professor	Development of Up-grade Recycle System by Environmental-benign Functional Materials Using Waste Materials(marble sludge and olive oil wastes) in Turkey	2019/4/1	2021/3/31
Ukraine	The State Fund for Fundamental Research of Ukraine	Joint Research	Yoshikazu TANAKA	Tohoku University•Graduate School of Life Sciences•Professor	Bohdan OSTASH	Ivan Franko National University of Lviv•Professor, Senior Researcher	Post-transcriptional tRNA modifications as regulators of primary and secondary metabolism in actinobacteria	2018/4/1	2020/3/31
Ukraine	The State Fund for Fundamental Research of Ukraine	Joint Research	Tsukasa YOSHIDA	The National University Corporation Yamagata University•Graduate School of Science and Engineering•Professor	Oleg DIMITRIEV	National Academy of Sciences of Ukraine•V. Lashkaryov Institute of Semiconductor Physics•Senior research fellow	Organic/inorganic hybrid crystals for NIR to visible upconversion	2018/7/1	2020/6/30
United Kingdom	Open Partnership	Joint Research	Akio NAKAHARA	NIHON UNIVERSITY•College of Science and Technology•Professor	Lucas GOEHRING	Nottingham Trent University•Department of Physics•Senior Lecturer	Crack Morphometrics	2018/4/1	2020/3/31
United Kingdom	Open Partnership	Joint Research	Kensaku MORI	Nagoya University•Graduate School of Informatics•Professor	Danail STOYANOV	University College London•Department of Computer Science•Associate Professor	Development of advanced endoscopic surgery assistance system based on anatomical servoing	2018/4/1	2020/3/31
United Kingdom	Open Partnership	Joint Research	Ryo ISHIKAWA	Kobe University•Graduate School of Agricultural Science•Assistant Professor	Dorian Q FULLER	University Collage London•Institute of Archaeology•Professor	Archaeogenetic study on loss of seed shattering: a key trait to understand the process of rice domestication	2018/11/1	2020/10/31
United Kingdom	Open Partnership	Joint Research	Yasushi ONO	The University of Tokyo•Graduate School of Frontier Sciences•Professor	Mikhail GRYAZNEVICH	Tokamak Energy Ltd•Executive Director, Chief Scientist	UK–Japan tokamak plasma merging experiments for fusion application of high-power reconnection heating	2019/4/1	2021/3/31
United Kingdom	Open Partnership	Joint Research	Kazutaka MATSUDA	Tohoku University•Graduate School of Information Sciences•Associate Professor	Meng WANG	University of Bristol•Lecturer	Highly-Usable High-Level Bidirectional Programming Language	2019/4/1	2021/3/31
United Kingdom	The Royal Society	Joint Research	Masayoshi TANAKA	Tokyo Institute of Technology•School of Materials and Chemical Technology•Assistant professor	Kevin CRITCHLEY	University of Leeds•School of Physics and Astronomy•Lecturer	Green syntheses of nanoparticles for optical biomedical applications	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
United Kingdom	The Royal Society	Joint Research	Kentaro MIUCHI	Kobe University•Faculty of Science•Associate Professor	Neil John Curwen SPOONER	University of Sheffield•Department of Physics and Astronomy•Professor	Direction sensitive dark matter search with a gaseous tracking detector.	2018/4/1	2020/3/31
United Kingdom	The Royal Society	Joint Research	Stephen LYTH	Kyushu University•International Institute for Carbon-Neutral Energy Research•Associate Professor	Mohammed ISMAIL	Sheffield University•Energy 2050•Assistant Professor	Fundamental Insights into Advanced Functional Carbon-based Materials as Fe-N-C Electrocatalysts for the Oxygen Reduction Reaction	2018/4/1	2020/3/31
United Kingdom	The Royal Society	Joint Research	Ryohei TERAUCHI	Kyoto University•Graduate School of Agriculture•Professor	Sophien KAMOUN	The Sainsbury Laboratory•Sophien Kamoun Group•Group Leader	Retooling rice immunity for resistance against rice blast disease	2018/4/1	2020/3/31
United Kingdom	The Royal Society	Joint Research	Masami NONAKA	JAMSTEC•Application Laboratory•Group Leader	Arnaud CZAJA	Imperial College, London•Physics Department•Reader	A novel modelling technique to understand the impact of the Gulf Stream and Kuroshio on climate	2018/4/1	2020/3/31
United Kingdom	The Royal Society	Joint Research	Ken-Ichi YOSHIDA	Kobe University•Graduate School of Science, Technology and Innovation•Professor	Anil WIPAT	Newcastle University•School of Computing•professor	Transforming functional bacterial communities: how does horizontal genetic transfer impact the functional society of bacteria?	2019/4/1	2021/3/31
United Kingdom	The Royal Society	Joint Research	Kenichi MORIGAKI	Kobe University•Biosignal Research Center•Associate Professor	Peter ADAMS	University of Leeds•School of Physics and Astronomy•University Academic Fellow	Model membrane platforms for light-harvesting	2019/4/1	2021/3/31
United Kingdom	The Royal Society	Joint Research	Kazuya KIKUCHI	Osaka University•Graduate School of Engineering•Professor	Steven BULL	University of Bath•Department of Chemistry•Professor	Development of Imaging Probes for Genome Dynamics	2019/4/1	2021/3/31
United Kingdom	The Royal Society	Joint Research	Masahide OTSUBO	The University of Tokyo•Institute of Industrial Science•Research Associate	Sadegh Shahraki NADIMI	University of Leeds•School of Mechanical Engineering•Research Fellow	The role of particle shape and surface friction on interlocking phenomenon for granular materials	2019/4/1	2021/3/31
United Kingdom	The Royal Society	Joint Research	Wakana KUBO	Tokyo University of Agriculture and Technology•Institute of Engineering•Associate Professor	Xu FANG	University of Southampton•Lecturer	Nano-pixel image sensor based on plasmon-assisted phase transition	2019/4/1	2021/3/31
United Kingdom	Open Partnership	Seminar	Kazuo MORIMOTO	The University of Tokyo•Institute for Advanced Studies on Asia•Associate Professor	Sajjad Hayder RIZVI	University of Exeter•Institute of Arab and Islamic Studies•Associate Professor	Knowledge as Power: Production, Control and Manipulation of Knowledge in Muslim Societies	2020/3/3	2020/3/5
United States of America	Open Partnership	Joint Research	Yutaka KUWAHARA	Kumamoto University•Faculty of Advanced Science and Technology•Assistant Professor	Etsuko FUJITA	Brookhaven National Laboratory•Chemistry Department•Senior Chemist	Supramolecular Gel-based Nano-catalyst for Reduction of Carbon dioxide	2017/9/1	2019/8/31
United States of America	Open Partnership	Joint Research	Daisuke KODAMA	NIHON UNIVERSITY•College of Engineering•Associate Professor	Cornerlis J. PETERS	Clorado school of Mines•Affiliate Faculty	Chemical Engineering Properties and Process Design for Carbon Dioxide Absorption, Separation, and Regeneration Technique by Ionic Liquids	2018/4/1	2020/3/31
United States of America	Open Partnership	Joint Research	Toshiaki IIZUKA	The University of Tokyo•Graduate School of Economics•Professor	Karen EGGLESTON	Stanford University•Shorenstein Asia-Pacific Research Center•Director, Asia Health Policy Program	Value of Medical Care Services: Evidence using Japanese Panel Data	2018/4/1	2020/3/31
United States of America	Open Partnership	Joint Research	Michiru NISHITA	Kobe University•Graduate School of Medicine•Associate Professor	Victor Wee HSU	Harvard Medical School•Department of Medicine•Professor	Molecular mechanism underlying intra-Golgi protein transport during cancer cell invasion	2018/4/1	2020/3/31
United States of America	Open Partnership	Joint Research	Tamiki KOMATSUZAKI	Hokkaido University•Research Institute for Electronic Science•Professor	Jason Roger GREEN	University of Massachusetts, Boston•College of Science and Mathematics•Assistant Professor	New exploration of nonequilibrium phenomena by combining data science and nonlinear science	2018/4/1	2020/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
United States of America	Open Partnership	Joint Research	Satoru NAKATSUJI	The University of Tokyo•Institute for Solid State Physics•Professor	Piers COLEMAN	Rutgers University•Department of Physics and Astronomy•Professor	Study on the mechanism of novel metallic and superconducting states induced by multipolar degree of freedom	2018/4/1	2020/3/31
United States of America	Open Partnership	Joint Research	Kenji WATANABE	University of Shizuoka•Department of Pharmaceutical Sciences•Professor	Yi TANG	University of California Los Angeles•Department of Chemical Engineering•Professor	Integrating Synthetic Bio/Chemical Approaches for New Paradigms in Molecule Synthesis	2018/4/1	2020/3/31
United States of America	Open Partnership	Joint Research	Hiroe MIYAKE	The University of Tokyo•Interfaculty Initiative in Information Studies•Associate Professor	Christine GOULET	University of Southern California•Southern California Earthquake Center•Executive Science Director for Special Projects	Grand Design of Strong Ground Motion Prediction	2019/1/1	2020/12/31
United States of America	Open Partnership	Joint Research	Hiroshi TAKESHIMA	Kyoto University•Graduate School of Pharmaceutical Sciences•Professor	Jianjie MA	Ohio State University•Davis Heart and Lung Research Institute•Investigator/Professor	Roles of MG53 and TRIC channel in cardiac muscle	2019/4/1	2021/3/31
United States of America	Open Partnership	Joint Research	Kei TODA	Kumamoto University•Faculty of Advanced Science and Technology•Professor	Daniel P. ZITTERBART	Woods Hole Oceanographic Institution•Applied Ocean Physics and Engineering•Assistant Scientist	Study on phytoplankton–originating chemoattractant cues for whale predation	2019/4/1	2021/3/31
United States of America	Open Partnership	Joint Research	Masataka NAGAOKA	Nagoya University•Graduate School of Informatics•Professor	John E. STRAUB	Boston University•Professor	Japan–USA Joint Research Project of Molecular Technology Reinforced with Data Scientific Approaches: Clarifying Functions of Complex Biomolecular Systems	2019/4/1	2021/3/31
United States of America	Open Partnership	Joint Research	Hirimitsu TAKAHASHI	Hiroshima University•School of Science•Assistant professor	Henric KRAWCZYNSKI	Washington University in Saint Louis•Faculty of Arts and Sciences•Professor	Japan–US collaborative research toward sustainable development of high–energy polarization measurement, a new astronomical observation method	2019/4/1	2021/3/31
United States of America	Open Partnership	Joint Research	Takashi AKAGI	Okayama University•Graduate School of Agriculture•Assistant Professor	Luca COMAI	University of California Davis•Genome Center•Professor	Comparative genomics for the sex chromosomes evolutions in woody crops	2019/6/1	2021/3/31
United States of America	Open Partnership	Joint Research	Satoshi TAKEI	Toyama Prefectural University•Faculty of Engineering•Professor	Carlton Grant WILLSON	The University of Texas at Austin•Professor	Lithography of edible micropatterning materials using water–coating and water–developable processes for anti–counterfeiting of pharmaceutical products	2019/8/1	2021/7/31
United States of America	Open Partnership	Seminar	Toshihiko MATSUDA	National Institutes for the Humanities•International Research Center for Japanese Studies•Professor	Naoki SAKAI	Cornell University•Professor	On the Heritage of Postcolonial Studies: The Translation of the Untranslatable	2020/2/13	2020/2/15
Viet Nam	Open Partnership	Joint Research	Kazuya MORIKAWA	University of Tsukuba•Faculty of Medicine•Professor	Le Thuy NGUYEN THI	Biotechnology Center of Ho Chi Minh City•Department of Medical Biotechnology•Research Staff	Acquisition Process of Linezolid resistance in Methicillin–Resistant Staphylococcus aureus	2019/4/1	2021/3/31
Viet Nam	Open Partnership	Joint Research	Masaki OKUI	Hiroshima University•Graduate School of Social Sciences•Associate Professor	Nguyen Tien LUC	Vietnam National University Ho Chi Minh City University of Social Sciences and Humanities•Faculty of Japanese Studies•Professor	Research on the “communicating protocol” by Vietnamese who work in Japanese companies and approach to intercultural adaption by Japanese language institutions	2019/4/1	2021/3/31
Viet Nam	Vietnamese Academy of Science and Technology	Joint Research	Yoshishige SUZUKI	Osaka University•Graduate School of Engineering Science•Professor	Anh Thi Ngoc NGUYEN	Vietnam Academy of Science and Technology•Institute of Materials Science•Researcher	Research on the highly sensitive magnetic sensor using nano–scale magnetic tunnel junctions	2017/4/1	2020/3/31
Viet Nam	Vietnamese Academy of Science and Technology	Joint Research	Kei YURA	Ochanomizu University•Faculty of Core Research•Professor	Oanh Thi Phuong KIM	Vietnamese Academy of Science and Technology•Institute of Genome Research•Group Leader	Bioinformatics Analyses for the Genome Sequence of Lutraria philippinarum Infecting Virus	2017/4/1	2020/3/31
Viet Nam	Vietnamese Academy of Science and Technology	Joint Research	Yoshiaki YUGUCHI	Osaka Electro–Communication University•Faculty of Engineering•Associate Professor	Thuy Thi Thu THANH	The Vietnam Academy of Science and Technology•Institute of Chemistry•Researcher	Structural study of seaweed polysaccharides and food, agriculture and pharmaceutical applications	2018/4/1	2021/3/31

## List of Joint Research Projects and Joint Seminars under the Bilateral Programs for FY2019

As of July 2019

Country	Counterpart Institution	Type of Activity	Japanese Leader		Counterpart Leader		Project/Seminar Title	Start Date	End Date
Viet Nam	Vietnamese Academy of Science and Technology	Joint Research	Hideki ENDO	The University of Tokyo•The University Museum•Professor	Son Truong NGUYEN	Institute of Ecology and Biological Resources Vietnam Academy of Science and Technology•Department of Vertebrate Zoology•Researcher	Advanced establishment of basis of biodiversity informatics in Vietnam	2018/4/1	2021/3/31
Viet Nam	Vietnamese Academy of Science and Technology	Joint Research	Kiwao KADOKAMI	The University of Kitakyushu•Institute of Environmental Science and Technology•Specially Appointed Professor	Hanh Thi DUONG	Vietnam Academy of Science and Technology, Institute of Environmental Technology•Department of General Management•Vice Head	Development of two target screening methods for 1500 organic micro-pollutants in suspended particulate matter (SPM) and fine particulate matter (PM2.5) and application to ambient air in Hanoi	2019/4/1	2021/3/31
Viet Nam	Vietnamese Academy of Science and Technology	Joint Research	Jun NISHIKAWA	Tokai University•School of Marine Science and Technology•professor	Ha Manh TRAN	Institute of Marine Environment and Resources•Department of Marine Ecology and Biological Resources•Researcher	The jellyfish study in Vietnam: For their sustainable utilization and understanding their ecological importance	2019/4/1	2021/3/31