

List of Fellows (FY2019 JSPS Invitational Fellowships for Research in Japan (2nd Recruitment of Short-term))

Humanities

The following list includes the names of the selected fellows, their host researchers and research themes under the 2nd recruitment of FY2019 JSPS Invitational Fellowship for Research in Japan (Short-term). Under this recruitment, 253 applicants were received, among which 70 fellowships were awarded.

Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
HAYWOOD Ian	UNITED KINGDOM	S. h. CLARK	The University of Tokyo	Print culture and Caricature in 19th Britain and Japan
RATHCKE Tamara Viktorovna	UNITED KINGDOM	Haruo KUBOZONO	National Institutes for the Humanities	A Cross-linguistic Study of Japanese Rhythm
SHIBATANI Masayoshi	JAPAN	Yukishige TAMURA	Osaka University	Ergative languages and the nominalization theory
CRAIG Oliver Edward	UNITED KINGDOM	Shinya SHODA	National Institutes for Cultural Heritage, Nara National Research Institute for Cultural Properties	Unlocking biomolecular records from artefacts to assess the beginnings of agriculture
BERTINETTO Alessandro Giovanni	ITALY	Patrick GRUENEBERG	Kanazawa University	Aesthetic agency: improvisation of bodily movement
VAN RUYMBEKE Bertrand	FRANCE	Shuichi WANIBUCHI	Kyoritsu Women's University	L'Amerique comme une mode: The image of the American Revolution in pre-revolutionary France
FORLOT Gilles	FRANCE	Noriyuki NISHIYAMA	Kyoto University	Possibility of teaching English in collaboration with plurilinguism

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Social sciences

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DE BRITO Stephane	SWITZERLAND	Nobuhito ABE	Kyoto University	Structural and functional neuroimaging correlates of conduct disorder in youths
RYAN Michael	U.S.A.	Ayumu TANAKA	Chuo University	Ownership Structure in Japanese Firms' Foreign Direct Investment Projects
GERARD Marcel	BELGIUM	Yukari MATSUZUKA	Hitotsubashi University	Higher Education Finance that Responds to Global Mobility of Highly Skilled Workers
BETTAHAR Yamina	FRANCE	Jun OBA	Hiroshima University	Free access to higher education and international mobility: A comparative approach France-Japan
KREMER Kerstin	GERMANY	Hiroki FUJII	Okayama University	Developing science education curriculum to complete the SDGs Target 4.7 (ESD)
RODGERS Rachel Florence	UNITED KINGDOM	Mika OMORI	Ochanomizu University	The investigation of effects of social messages on "healthy eating"
MIHAJLO Jakovljevic	SERBIA	Takuma SUGAHARA	Hosei University	Economic Growth, Health and Pharmaceutical Expenditure in Japan and Asian Emerging Markets

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Mathematical and physical sciences

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MALCHOW Horst	GERMANY	Hiromi SENO	Tohoku University	Mathematical approaches for the self-organization in biological systems far from equilibrium
EZE Romanus Nwachukwu chijioko	NIGERIA	Megumi SHIDATSU	Ehime University	Study of evolution of black hole accretion flows based on analysis of X-ray variations
DE NOOIJER Lennart Jan	NETHERLANDS	Takashi TOYOFUKU	Japan Agency for Marine-earth Science and Technology	Visualization calcium- and carbon uptake during biomineralization in marine biology
ALLOUL Henri	FRANCE	Takeshi MITO	UNIVERSITY OF HYOGO	Recent development and future potential of NMR study in solid state physics
BIANCHI Fabrizio	ITALY	Yusuke OKUYAMA	Kyoto Institute of Technology	Bifurcation, degeneration and complex geometry in higher dimensional complex dynamics
SACKS William Simon	U.S.A.	Hiroshi EISAKI	National Institute of Advanced Industrial Science and Technology	Pairon model as a mechanism for high-temperature superconductivity : theory and experiments
ZUDILIN Vadim	AUSTRALIA	Yasuo OHNO	Tohoku University	Hypergeometric functions and generating functions of multiple zeta values
KANUNGO Rituparna	CANADA	Takashi NAKAMURA	Tokyo Institute of Technology	Neutron-rich nuclei and neutron stars investigated by neutron skins
MARCHESINI Danilo	ITALY	John SILVERMAN	The University of Tokyo	The effect of mergers on the morphology of galaxies across cosmic time
GOLAK Jacek	POLAND	Hiroyuki KAMADA	Kyushu Institute of Technology	Theoretical study of three- and four-nucleon system and its effect of three-body force
DESCOUEMONT Poerre	BELGIUM	Naoyuki ITAGAKI	Kyoto University	Appearance of cluster structure in nuclear systems

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Chemistry

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ROESKY Peter Werner	GERMANY	Kazushi MASHIMA	Osaka University	Synthesis and Reactivity of Cluster Complexes of Rare-Earth Metals
HAAG Rainer	GERMANY	Takuzo AIDA	The University of Tokyo	Development of Biomolecular Glues Based on Hyperbranched Polymers
CAI Li	U.S.A.	Hiroshi SUGIYAMA	Kyoto University	Gene-regulating chemical compounds for the treatment of spinal cord injury
LEBEDEV Mikhail Vyacheslavovich	RUSSIA FEDERATION	Takuya MASUDA	National Institute for Materials Science	Wet-chemical Control of III-V Semiconductor Surfaces and Related Alloys
BANDINI Marco	ITALY	Yoshiaki NAKAO	Kyoto University	Studies on Selective Catalytic Processes for Construction and Functionalization of Heterocycles

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Engineering sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
LIU Wei	CHINA	Ryosuke ANDO	Toyota Transportation Research Institute	Optimization of road traffic control and signal system based on big data and IoT
GILLOT Frederic Nicolas	FRANCE	Seimei SHIRATORI	KEIO UNIVERSITY	Heat Transfer Improvement by coating liquid like solid film
PANDEY Daya Shankar	INDIA	Qiang XU	National Institute of Advanced Industrial Science and Technology	Study of porous coordination polymers as functional energy materials
KIM Intae	KOREA (REP. OF KOREA)	Shigenobu KAINUMA	Kyushu University	Corrosion characteristic and durability of steel structures under environment of East-Asia
ZAKI Tamer A.n.	U.S.A.	Yosuke HASEGAWA	The University of Tokyo	Estimation of turbulent flow and associated scalar fields by using deep neural network
IVANOV Volodymyr	UKRAINE	Satoru KAWASAKI	Hokkaido University	Development of eco-friendly biocement using calcium phosphate
LI Xingguo	CHINA	Yoshitsugu KOJIMA	Hiroshima University	Application of nanoparticles synthesized by plasma method to hydrogen storage material
MATTHIAS Ihme	GERMANY	Nobuyuki OSHIMA	Hokkaido University	A novel turbulent combustion modeling and post-K simulation for innovative aerospace propulsion
KAESTNER Bernd	GERMANY	Shuhei AMAKAWA	Hiroshima University	Circuit modeling and design of scanning probe tips for THz nanofocusing and spectroscopy
SWEENEY Stephen	IRELAND	Masahiro YOSHIMOTO	Kyoto Institute of Technology	Design and prototyping of photonic device consisting of Bi-containing semimetal semiconductor alloys
WU Deyin	CHINA	Masayuki FUTAMATA	SAITAMA UNIVERSITY	Single molecule analysis of biomolecules using flocculation-surface enhanced Raman scattering

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
ZHOU Ying	CHINA	Hisao YOSHIDA	Kyoto University	Development of highly active photocatalysts for photocatalytic methane conversion at low temperature
BERNARD Samuel Jean-charles	FRANCE	Yoshiyuki SUGAHARA	Waseda University	Preparation of cubic boron nitride from amorphous precursors derived from a borane-ammonia complex
PALME Massimo	ITALY	Hideki TAKEBAYASHI	Kobe University	Urban Heat Island in coastal cities of Chile and Japan: intensity estimation and mitigation strategy
WANG Yong	U.S.A.	Yan XU	Osaka Prefecture University	Advancing single cell omics by fusion of nanofluidics and supramolecular DNA polymers
PAVELESCU Emil Mihai	ROMANIA	Akihiro WAKAHARA	Toyohashi University of Technology	Radiation and Annealing effect on point defects in dilute semiconductors and its device applications
KAVVAS Levent M.	U.S.A.	Junichi YOSHITANI	Shinshu University	Application of stochastic theory for hydrologic analysis to water planning
WANG Chunlei	U.S.A.	Akimitsu HATTA	Kochi University of Technology	Development of high performance on-chip energy and power system based on Carbon-MEMS

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Informatics

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
GUTTMANN Walter Norbert	GERMANY	Hitoshi FURUSAWA	Kagoshima University	Algebras for reasoning about weighted graphs and graph algorithms
MA Zhanyu	CHINA	Nei KATO	Tohoku University	A Study on Intelligent 5G System Based on Deep Learning
HE Shibo	CHINA	Mianxiong DONG	Muroran Institute of Technology	Low-Power, Low-cost and Wide-area Disaster-Resilient Network via LoRa
MOLLA Md. khademul islam	BANGLADESH	Hiroaki WAGATSUMA	Kyushu Institute of Technology	Advanced Signal Processing Methods with Sparse Modeling Schemes for EEG Analysis and Applications

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Biological sciences

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CALDANA Camila	BRAZIL	Akiko SATAKE	Kyushu University	Unraveling the mechanism of carbon homeostasis by integrating metabolome and mathematical models
GROSSNIKLAUS Ulrich	SWITZERLAND	Tetsuya HIGASHIYAMA	Nagoya University	Chemical genetic screen for regulators of Polycomb group function
ENGELHARDT Antje	GERMANY	Shiho FUJITA	Kagoshima University	Evolutionary mechanisms of reproductive strategy in the genus <i>Macaca</i>
PATRA Chinmoy	INDIA	Kiyoshi OHNUMA	Nagaoka University of Technology	Fundamental study for development of zebrafish xenograft model of human iPSCs derived cardiomyocytes
BAYARTOGTOKH Badamdorj	MONGOLIA	Satoshi SHIMANO	Hosei University	Morphological and molecular systematics, and biogeography of soil micro-arthropods in Southeast Asia

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Agriculture/Environmental sciences

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O SULLIVAN Ciara k.	SPAIN	Kiyoshi YASUKAWA	Kyoto University	Industrial application of a novel isothermal DNA amplification method RPA
TRIAPITSYN Serguei	U.S.A.	Tetsuya ADACHI	University of Miyazaki	Biological control of agricultural pests by natural enemies
EZZIKOURI Sayeh	MOROCCO	Kyoko KOHARA	Kagoshima University	Development of innovative anti-viral drugs utilizing natural infection animal model
LIMA Adriano Jose nogueira	BRAZIL	Tatsuya OTANI	National Research and Development Agency Forest Research and Management Organization	A large-scale accurate evaluation for carbon storage dynamics in tropical logged forests
BROVCHENKO Igor	UKRAINE	Daisuke TSUMUNE	CRIEPI	A lagrangian model analysis of spatiotemporal particle behaviour for radiocesium food chain transfer
PARK Chul	KOREA (REP. OF KOREA)	Nozomu TAKEUCHI	Chiba University	Comparative study on cyanobacterial photogranules formed in aquatic environments
MCCORMICK Stephen Daniel	U.S.A.	Makoto KUSAKABE	National University Corporation Shizuoka University	Evolution and diversity of osmoregulation in fish
FASSNACHT Steven Richard	U.S.A.	Kazuyoshi SUZUKI	Japan Agency for Marine-earth Science and Technology	Elucidation of fluctuation in snow and hydrological processes through observation and modelling
ERRA-BALSELLS Rosa	ARGENTINA	Hiroshi NONAMI	Ehime University	Proteomics and metabolomics for plant organella analyses
HOSSAIN Mohammad Anowar	BANGLADESH	Yoshiyuki MURATA	Okayama University	Activation mechanism of abscisic acid signaling by jasmonate in Arabidopsis guard cells

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Medicine dentistry and pharmacy

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PIKE Ian	CANADA	Kazuko OKAMURA	National Research Institute of Police Science	Developing a social marketing strategy to prevent child passenger injuries
SCHRODER Katrin	GERMANY	Chihiro YABE	KPUM	Characterization of the physiological functions of NADPH oxidases, the NOX family
DRUID Henrik	SWEDEN	Shinya KASAI	Tokyo Metropolitan Institute of Medical Science	Epigenetic biomarkers developed with postmortem human tissues