

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

Humanities

The following list includes the names of the selected fellows, their host researchers and research themes under the FY2019 JSPS Invitational Fellowships for Research in Japan (First Recruitment of Short-term). Under this recruitment, 257 applicants were received, among which 100 fellowships were awarded.

Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
ZIEMANN Benjamin	GERMANY	Akiyoshi NISHIYAMA	Kyoritsu Women's University	War&Peace, Republic, and Religion: key issues of German History in 20th Century
LI Yi	CHINA	Mamoru YAMAGUCHI	NIHON UNIVERSITY	Literary exchange between Japan and China in Chinese Modern literature : Guomoruo, Luxun and Bajin
LU Yixu	AUSTRALIA	Thomas SCHWARZ	The University of Tokyo	Asian-Pacific Perspectives on German Studies
CARRAUD Vincent	FRANCE	Izumi SUZUKI	The University of Tokyo	Genealogical and Systematic Studies on Subjectivity and Metaphysics in the Early Modern Philosophy
SADEGHI Ali Ashraf	IRAN	Yuko FUJIMOTO	Osaka University	How to Apply Linguistics to Persian Education for Japanese Students
MARZANO Annalisa	ITALY	Yoshiyuki SUTO	Nagoya University	Social and Economic History of Production and Exchange in the Ancient Mediterranean World
WILLIS Michael	UNITED KINGDOM	Taiken KYUMA	Mie University	Studies in Indian Buddhist Art and Epigraphy

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Social sciences

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SQUIRE Vicki Jane	UNITED KINGDOM	Yukio MAEDA	Soka University	Irregular migration in comparative perspective: Europe and Japan
HOLT Robin	UNITED KINGDOM	Yutaka YAMAUCHI	Kyoto University	Social Processes of Creating Cultural Values in Crafts: Comparison between Japan and Europe
BARROUILLET Pierre Noel	FRANCE	Satoru SAITO	Kyoto University	Domain specific retention of serial order information in human working memory
NOONAN Douglas Simpson	U.S.A.	Tetsuharu OBA	Kyoto University	Cultural economics and urban revitalization: preservation, development, and policy
BERNARDI Laura	ITALY	Hideki NAKAZATO	KONAN UNIVERSITY	Fathers' involvement with children during and after union breakup in Japan and Switzerland
CHOTIKAPANICH Duangkamon	AUSTRALIA	Haruhisa NISHINO	Hiroshima University	Econometric analysis for economic inequality and health inequality
HALDER Santoshi	INDIA	Rumi HIRAGA	Tsukuba University of Technology	Inclusion of students with disabilities; focussing on hearing/visually handicapped and autism
LIN Mei-chun	TAIWAN	Fumi NAKAYAMA	Kobe-Gakuin University	Practice and possibility of an educational drama in East Asia
SAVELSBERGH Geert Jozef	NETHERLANDS	Masatoshi KAWAI	Mukogawa Women's University	Model building on sensory motor and social development of child using longitudinal data.

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Mathematical and physical sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
IDAN Tuval	SPAIN	Kunihiko KANEKO	The University of Tokyo	Approaches to cell motility from dynamical-systems, fluid-dynamics, and biophysics experiments
KONCZYKOWSKI Marcin Melchior	FRANCE	Takasada SHIBAUCHI	The University of Tokyo	Study of edge currents in Wyle magnets by scanning Hall-probe microscopy
CIOABA Sebastian Marian	ROMANIA	Hiroshi NOZAKI	Aichi University of Education	Characterizations of combinatorial structures from graph spectrum.
ODINTSOV Sergei Dmitrievich	RUSSIA FEDERATION	Shin'ichi NOJIRI	Nagoya University	Modified gravity, gravitational waves and dark energy universe
PLENIO Martin Bodo	GERMANY	Mio MURAO	The University of Tokyo	Analysis of quantum properties and applications of quantum information processing
BORDENAVE Charles Sylvain	FRANCE	Benoit COLLINS	Kyoto University	Random matrix theory
BURGESS Ray	UNITED KINGDOM	Hirochika SUMINO	The University of Tokyo	Volatile (noble gas and halogen) geochemistry of the Earth's mantle
ZAW Khin	AUSTRALIA	Akira IMAI	Kyushu University	Tectonic evolution and metallogenesis of Southeast Asia (Indochina Region)
WITALA Henryk Alojzy	POLAND	Kimiko SEKIGUCHI	Tohoku University	Chiral dynamics applied to few-nucleon reactions and clarification of three-nucleon forces
KALOSHIN Vadim	RUSSIA FEDERATION	Mitsuru SHIBAYAMA	Kyoto University	Arnold diffusion on Hamiltonian systems and the n-body problem
COX Stephen Francis	AUSTRALIA	Kyuichi KANAGAWA	Chiba University	Effects of pore fluids on rock deformation and faulting in nature and experiments

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IDAN Tuval	SPAIN	Kunihiko KANEKO	The University of Tokyo	Approaches to cell motility from dynamical-systems, fluid-dynamics, and biophysics experiments
EVANS David E	UNITED KINGDOM	Masaki IZUMI	Kyoto University	Modular tensor categories in conformal field theory through subfactors and twisted K-theory
HECKMAN Timothy Martin	U.S.A.	Masahiro TAKADA	The University of Tokyo	Exploring the cosmic history of formation and evolution of galaxies with Subaru PFS
RENZINI Alvio	ITALY	John SILVERMAN	The University of Tokyo	Star formation in high-redshift galaxies
VIKMAN Alexander	GERMANY	Masahide YAMAGUCHI	Tokyo Institute of Technology	Energy condition in modified gravity theories
OKSUZ Aysegul Uygun	TURKEY	Satoshi HAMAGUCHI	Osaka University	Mechanisms of nano-material formation in liquid by plasma-liquid interaction
KAGALOVSKY Victor	ISRAEL	Tomi OHTSUKI	Sophia University	Majorana fermions in thermal Hall metals

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Chemistry

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
VANDERWAL Christopher D.	CANADA	Noritaka CHIDA	KEIO UNIVERSITY	Complex Natural Product Synthesis: Opportunities and Discoveries in Chemistry and Biology
FONTAINE Frederic-Georges	CANADA	Makoto YAMASHITA	Nagoya University	Development of metal-free catalyst system for borylation using main group element
MUELLER Thomas Uwe	GERMANY	Masaichi SAITO	SAITAMA UNIVERSITY	Investigation on Zero-valent Main Group Species Stabilized by Butadiene Ligands
KORENDOVYCH Ivan	U.S.A.	Hisakazu MIHARA	Tokyo Institute of Technology	Design of self-assembling peptide catalysts
GOYAL Rajendra N	INDIA	Munetaka OYAMA	Kyoto University	Electrochemical monitoring of diacerein using graphene nanoribbon modified electrodes
LIU Bin	CHINA	Shigehiro YAMAGUCHI	Nagoya University	Fluorescence Imaging and Theranostics Using Aggregation-Induced Emission Dots
MATTANJAH De Vries S.	NETHERLANDS	Masaaki FUJII	Tokyo Institute of Technology	Protonation effect on biomolecules studied by gas phase laser spectroscopy
MILLER Scott Jessph	U.S.A.	Takahiko AKIYAMA	Gakushuin University	Development of Novel Organocatalysts Controlled by Weak Hydrogen Bond Network
SANTHOSH Nagappan Nair Padmam	INDIA	Yuichi SHIMAKAWA	Kyoto University	High-pressure synthesis of novel functional oxide materials
LEI Aiwen	CHINA	Takashi OOI	Nagoya University	Photo- and Electrocatalysis: Development of Practical Radical-mediated Bond-forming Reactions
PAINEAU Erwan	FRANCE	Nobuyoshi MIYAMOTO	Fukuoka Institute of Technology	Structural analyses by scattering methods of liquid crystalline colloids of monodisperse nanosheets

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Engineering sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
RIEDEL Ralf	GERMANY	Yuichi IKUHARA	The University of Tokyo	Phase composition and microstructure of advanced high pressure nitrides and nanocomposites
TJAHJONO Benny	INDONESIA	Nariaki NISHINO	The University of Tokyo	Synthesizing Mechanisms of Product Service Systems towards Circular Economy
LUO Tengfei	CHINA	Junichiro SHIOMI	The University of Tokyo	Materials informatics of thermal properties of polymers
O'SULLIVAN Catherine	IRELAND	Reiko KUWANO	The University of Tokyo	Advancing understanding of internal erosion via experiments and numerical simulation
GARIMELLA Srinivas	U.S.A.	Yasuyuki TAKATA	Kyushu University	Assessing the Potential of Dropwise Condensation for High Performance Thermal Systems
PECNIK Rene	AUSTRIA	Soshi KAWAI	Tohoku University	Law of the wall and turbulence modeling for turbulent boundary layers at supercritical pressure
SANTAMARIA Monica	ITALY	Hiroki HABAZAKI	Hokkaido University	Fabrication and photo-energy conversion of semiconductor oxides with controlled nanostructures
SUN Zhipei	FINLAND	Sze yun SET	The University of Tokyo	New 2D Optical Nano-Materials and Their Applications for Mid-IR Lasers
HELMY Amr Saher	CANADA	Shinji YAMASHITA	The University of Tokyo	Nonlinear and Quantum Photonics in 2D Layered Materials
DHAGAT Pallavi	INDIA	Aurelie SPIESSER	National Institute of Advanced Industrial Science and Technology	Spin manipulation in Si using a ferromagnetic insulator gate
NEBEL Christoph Erwin	GERMANY	Toshiharu MAKINO	National Institute of Advanced Industrial Science and Technology	Investigation of physics and device application of diamond semiconductor

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BENENSON Itzhak	ISRAEL	Toshihiro OSARAGI	Tokyo Institute of Technology	Analysis of big mobility data for assessing urban flows
KARSTEN Stanislav	U.S.A.	Ryuji YOKOKAWA	Kyoto University	On-chip differentiation of cells from brain organoids using concentration gradient generator
TAN Chao	CHINA	Masahiro TAKEI	Chiba University	Development of Ultrasonic/Electric Multi-modality Process Tomography and Thrombus Meas
EKKANATH MADATHIL Sankara Narayanan	UNITED KINGDOM	Shinichi NISHIZAWA	Kyushu University	Ultimate Power Devices with superior high efficiency for future energy society
AL-DOURI Yarub Kahtan Abdul-Rahman	IRAQ	Tetsuo SOGA	Nagoya Institute of Technology	Synthesis and characterization of uniform ternary nanoparticle alloys by nano-second laser ablation
JIN Yong-Su	KOREA (REP. OF KOREA)	Hiroshi SHIMIZU	Osaka University	Metabolic Engineering of Microorganisms
JU Zhaojie	CHINA	Naoyuki KUBOTA	Tokyo Metropolitan University	Multifingered Robotic Hand Skill Learning from Human Hand
HOGG Richard Andrew	UNITED KINGDOM	Osamu KOJIMA	Kobe University	Development of optical devices using optical nonlinear effects in nanostructured semiconductors
KURABAYASHI Katsuo	U.S.A.	Yang JU	Nagoya University	Real-time quantification of T cell response to mechanical stimuli by SPM and nanoplasmonic sensing
ZHELEV Zhivko Zhelyazkov	BULGARIA	Ichio AOKI	National Institutes for Quantum and Radiological Science and Technology	Development of redox sensing imaging for quantum life science

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RIEDEL Ralf	GERMANY	Yuichi IKUHARA	The University of Tokyo	Phase composition and microstructure of advanced high pressure nitrides and nanocomposites
VAN OMMEREN Jos	NETHERLANDS	Toshimari OTAZAWA	Kobe University	A study for evidence-based policy making in infrastructure planning and management
RAE Catherine Mary fiona	UNITED KINGDOM	Hideyuki MURAKAMI	National Institute for Materials Science	On the kinetics of phase transformation and microstructural evolution in structural superalloys
SUN Ziqi	CHINA	Yusuke YAMAUCHI	National Institute for Materials Science	Synthesis of Nanoarchitected Energy Materials
GIUA Alessandro	ITALY	Kai CAI	Osaka City University	Towards an Event-Based Control Framework for Cybersecurity
RAY Ranjit Kumar	INDIA	Nobuhiro TSUJI	Kyoto University	Formation Mechanisms of Recrystallization Textures in Bulk Nanostructured Metals
FAN Wei	CHINA	Tatsuya OKUBO	The University of Tokyo	Toward collaboration on biorefinery process by zeolite catalyst

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Informatics

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
HANSEN Per Christian	DENMARK	Kuniyoshi ABE	Gifu Shotoku Gakuen University	Flexible Krylov Subspace Methods with Augmentation for Discrete Ill-posed Problems
SINGH Ashutosh Kumar	INDIA	Masahiro FUJITA	The University of Tokyo	Design and Test of Reversible Logic Circuits for Low Power Computation
BIAN Kaigui	CHINA	Nei KATO	Tohoku University	A Study on AI-Driven Future Cognitive Communications
YOSHIDA Nobuko	JAPAN	Shoji YUEN	Nagoya University	Timed Software Contract with Session Types
POUZET Maurice	FRANCE	Hisayuki TATSUMI	Tsukuba University of Technology	Semirigidity Problem of Equivalence Relations on 3-Dimensional Point Sets
KASKI Samuel Jarkko ilari	FINLAND	Hiroshi MAMITSUKA	Kyoto University	Machine learning-driven Artificial Intelligence Research

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Biological sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
HORTON Nancy Catherine	U.S.A.	Florence TAMA	Nagoya University	Deciphering the allosteric mechanism of type II restriction endonuclease SgrAI
MARCHIONNI Luigi	ITALY	Michiel DE HOON	RIKEN	Functional characterization of human long non-coding RNA by disease associations
NAGANATHAN Athinarayanan	INDIA	Satoshi TAKAHASHI	Tohoku University	From statistical mechanics and single molecule spectroscopy to protein folding-function landscapes
DONOHUE Ian	IRELAND	Evan ECONOMO	Okinawa Institute of Science and Technology Graduate University	Functional and compositional stability of terrestrial invertebrates across an urbanisation gradient

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Agriculture/Environmental sciences

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BESKOSKI Vladimir	SERBIA	Hideyuki INUI	Kobe University	Degradation of perfluorinated chemicals using microorganisms isolated from polluted environment
KANAVILLIL Nandakumar	CANADA	Yoshitake TAKADA	Japan Fisheries Research and Education Agency	Photosynthetic epibiont diversity on molluscan shells and plastic debris in coastal habitats
MCGREGOR Glenn Russell	UNITED KINGDOM	Asuka SUZUKI-PARKER	Rissho University	Development of a novel seasonal heat-health diagnostic
SOFO Adriano	ITALY	Munetaka HOSOKAWA	Kindai University	Modification of Secondary Metabolism of Edible Rose Petals by Ultraviolet Irradiation
GARBEVA Paolina	NETHERLANDS	Dana ULANOVA	KOCHI UNIVERSITY	Study and application of microbial chemical communication in terrestrial and marine environments
LEE Jae-seong	KOREA (REP. OF KOREA)	Atsushi HAGIWARA	NAGASAKI UNIVERSITY	Speciation mechanism of rotifers based on comparative genomics and its application to aquaculture
JIANG San ping	AUSTRALIA	Toshiyuki MORI	National Institute for Materials Science	Design of functional interfaces in high quality energy devices
XU Xingkai	CHINA	Weiguo CHENG	Yamagata University	Soil C and N dynamics affected by freeze-thaw cycling in the cold temperate forests of eastern Asia
JEON Byeonghwa	CANADA	Naoaki MISAWA	University of Miyazaki	Acquisition of stress-tolerance in <i>Campylobacter jejuni</i> in foods and its control of transmission
NGUYEN Henry	U.S.A.	Mikio NAKAZONO	Nagoya University	Characterization of traits of root system for waterlogging- and drought-tolerances in soybean
MILLS Daniel Simon	UNITED KINGDOM	Takako MIYABE	Kyoto University	Comparative study of pain in animals: toward the establishment of Animal Welfare Science

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BESKOSKI Vladimir	SERBIA	Hideyuki INUI	Kobe University	Degradation of perfluorinated chemicals using microorganisms isolated from polluted environment
ABRAMS Marc David	U.S.A.	Mika TAKIYA	Hokkaido Research Organization	Predicting the impact of harvesting and wind-induced levels of tree fall in a climate change.

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Medicine dentistry and pharmacy

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BAILEY Damian Miles	UNITED KINGDOM	Shigehiko OGOH	TOYO UNIVERSITY	Effect of high intensity exercise related free radical on cognitive function
JOHNSTON Jeffrey Nicholas	U.S.A.	Motomu KANAI	The University of Tokyo	On-Demand Synthesis by Asymmetric Organocatalysis
MAHAPATRA Nitish Ranjan	INDIA	Kazuhiro TAKEKOSHI	University of Tsukuba	Functional interethnic genetic variations in candidate genes for cardio-metabolic diseases
MANN David Lindsay	AUSTRALIA	Hiroki NAKAMOTO	National Institute of Fitness and Sports in Kanoya	Visual-motor skill acquisition in virtual reality
TRAYNELIS Stephen Francis	U.S.A.	Yasushi SHIGERI	Wakayama Medical University	Unraveling a structure, function and signaling of NMDA-type glutamate receptors
LOUISE Robinson	UNITED KINGDOM	Yasumichi ARAI	KEIO UNIVERSITY	Promoting exchange of researchers for the international collaboration regarding care of dementia
PEZACKI John Paul	CANADA	Atsushi NISHIDA	Chiba University	Study of Drug Development Based on Chemical Biology and Synthesis of Natural Products