

List of Fellows (Invitational Fellowship Short-term FY2018): Selected through 1st Open Recruitment

The following list includes the names of the selected fellows, their host researchers and research themes under the 1st recruitment of FY2018 JSPS Invitational Fellowship for Research in Japan (Short-term). Under this recruitment, 327 applicants were received, among which 100 fellowships were awarded. Notification of the selection results will be made in writing through the head of the applying institution in the middle of January, 2018.

Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
ABREGO PADILLA David Guadalupe	MEXICO	Saki HARIHARA	University of the Ryukyus	Genetic Diversity in the coral <i>Platygyra</i> : looking for champions of heat tolerance in warming oceans
AGRAWAL Rakesh	U.S.A.	Masatoshi YOSHIKAWA	Kyoto University	Deployment of Data Mining in Medical and Educational Domains
AKYLAS Triantaphyllos R	GREECE	Takeshi KATAOKA	Kobe University	Dynamics of internal gravity waves in the ocean and construction of their mathematical model
ALBA Enrique	SPAIN	Keiki TAKADAMA	The University of Electro-Communications	The Next Generation Asynchronous Evolutionary Computation and its Applications
ALFREDSSON Per Henrik	SWEDEN	Masaharu MATSUBARA	Shinshu University	Finding linear modes to describe High Reynolds number turbulence
ANDREW Dudley	U.S.A.	Chika KINOSHITA	Kyoto University	French Film Theory and World Cinema
ARIS-BROUSSE Stephane	FRANCE	Yutaka WATANUKI	Hokkaido University	Modelling transport of pollutants from ocean to terrestrial ecosystems through seabirds as a vector
ARSENE Cristian-Gabriel	GERMANY	Tomoya KINUMI	National Institute of Advanced Industrial Science and Technology	Development of high precision analysis for serum protein using high resolution mass spectrometry
AUGER Nathalie	FRANCE	Noriyuki NISHIYAMA	Kyoto University	Dynamism of inclusive education in plurilingualism
BANERJEE Sourish	INDIA	Shinji NOZAKI	The University of Electro-Communications	Design and fabrication of the neural network circuit using oxide-semiconductor ReRAM devices
BANGHAM Charles	UNITED KINGDOM	Masao MATSUOKA	Kyoto University	Analyses of proliferative mechanisms of HTLV-1 infected cells in vivo

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BASTARD Gerald	FRANCE	Kazuhiko HIRAKAWA	The University of Tokyo	Electronic structures and terahertz quantum transitions in semiconductor nanowires
BEN Robert	CANADA	Takaaki INADA	National Institute of Advanced Industrial Science and Technology	Identification of ice recrystallization inhibitors that also inhibit ice nucleation
BERGOUNIOUX Gabriel Rene	FRANCE	Yumi TAKAGAKI	Osaka Prefecture University	Annotation of oral corpora: sharing experiences
BOLDBAATAR Damdinsuren	MONGOLIA	Xuenan XUAN	Obihiro University of Agriculture and Veterinary Medicine	Metagenomic analysis of tick-borne protozoan parasites
BRAUNSCHWEIG Holger	GERMANY	Shigehiro YAMAGUCHI	Nagoya University	Structural Chemistry and Molecular Function of Organoboron Compounds
BRUSSO Jaelyn Leigh	CANADA	Kunio AWAGA	Nagoya University	Development of organomain group compounds as non-innocent ligands towards organic electronics
BUSCH Paul	GERMANY	Takayuki MIYADERA	Kyoto University	Deepening the uncertainty relation: quantum incompatibility and quantum metrology
CHAN Kwok Hong Raymond	HONG KONG	Akiko OISHI	Chiba University	Life course social policy: a comparative study on youth transition to adulthood
CHANG Sukbok	KOREA (REP. OF KOREA)	Masahiro MURAKAMI	Kyoto University	Developments of Direct C-H Amidations
CHOWDHURY Debashish	INDIA	Katsuhiro NISHINARI	The University of Tokyo	Modeling on collective behaviors of molecular motors and non-equilibrium statistical physics
COLEMAN Piers	U.S.A.	Satoru NAKATSUJI	The University of Tokyo	Study of Itinerant Multipole Phenomena in Correlated Electron Systems

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COPERET Christophe	FRANCE	Kazushi MASHIMA	Osaka University	Development of Single-site Catalysts by Precise Introduction of Metal Species on Solid Surface
DA SILVA LOPES Teresa	PORTUGAL	Takafumi KUROSAWA	Kyoto University	Organizational Structure of Multinational and Non-Market Risks: A interdisciplinary Study
DAVIS Randall William	U.S.A.	Yoko MITANI	Hokkaido University	Relocation of top predators along the coast of Hokkaido and effects to the ecosystems
DONG Mingdong	CHINA	Haiwen LI	Kyushu University	Self-assembly Nanostructure for Hydrogen Storage
ERRA-BALSELLS Rosa	ARGENTINA	Hiroshi NONAMI	Ehime University	Plant one cell proteomics and metabolomics
FARINA Walter Marcelo	ARGENTINA	Hiroyuki AI	Fukuoka University	Effects of the early olfactory experience on development of honeybee behaviors
FINKE Stefan Alfons	GERMANY	Naoto ITO	Gifu University	Elucidation of Pathogenic Mechanisms of Street Rabies Viruses by Using Reverse Genetics
FRANCQ Stephanie	BELGIUM	Yuko NISHITANI	Kyoto University	Regional Economic Integration and Private International Law in the Globalized World
FRITZ Torsten Tino Andreas	GERMANY	Satoshi KERA	National Institutes of Natural Sciences	Spectroscopic and Structural Analysis of Molecular Films
FUMANTI Mattia	ITALY	Akira TAKADA	Kyoto University	Narratives of Mental Illness in Contemporary Namibia
GAIDAROV Mitko Konstantinov	BULGARIA	Hitoshi NAKADA	Chiba University	Surface properties of atomic nuclei: contribution to symmetry energy and neutron-star crust

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GAPONOVA Liudmyla Petrivna	UKRAINE	Toshinobu SUZAKI	Kobe University	Novel function of major vault protein in protists for prey and nonself recognition
GAUCI Vincent	UNITED KINGDOM	Kazuhiko TERAZAWA	Tokyo University of Agriculture	Broader comparisons of tree-mediated methane emissions in wetlands: from tropics to boreal regions
GE Zhiqiang	CHINA	Manabu KANO	Kyoto University	Semi-supervised learning approaches for process data modeling and analytics
GHOLZ Henry Lewis	U.S.A.	Masaaki YAMADA	Tokyo University of Agriculture and Technology	Dissemination of successional agroforestry for sustainable agricultural development in the tropics
GOLDMAN Alan Stuart	U.S.A.	Fumitoshi KAKIUCHI	KEIO UNIVERSITY	Development of Transition-Metal Catalysts for Transformations of Hydrocarbons and Small Molecules
GRUNDEN Walter Eugene	U.S.A.	Kenji ITO	SOKENDAI (The Graduate University for Advanced Studies)	Scientists under MacArthur: Science Policy in Occupied Japan
HASANOGLU Alemdar Hasanov	AZERBAIDJAN	Hirofumi ITOU	Tokyo University of Science	Mathematical and numerical analysis on inverse problems in an elastic beam
HE Xin	CHINA	Yoshikatsu KANAI	Osaka University	Search of non-competitive transporter inhibitors from the ingredients of Chinese herbal medicine
HECHT Michael H.	U.S.A.	Ryoichi ARAI	Shinshu University	Creation, evolution, and structural and functional analysis of de novo proteins functional in vivo
HENKER Richard Alynn	U.S.A.	Hiroaki MURATA	International University of Health and Welfare	Developing an Effective Program for Improving Nursing Competence in Pre- and Post-graduate Education
HWANG Gilgueng	KOREA (REP. OF KOREA)	Yoshio MITA	The University of Tokyo	Development of Transforming Wireless Microrobots Powered by Integrated Circuits

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JAMROZIAK Emilia	POLAND	Toshio OHNUKI	Okayama University	Reforms of the Monasticism in Medieval Europe and their Interactions with the Secular Society
JANECEK Stefan	SLOVAKIA	Atsuo KIMURA	Hokkaido University	Molecular analysis of two unique transglucosylases belonging to alpha-amylase family
JANN Werner	GERMANY	Koichiro AGATA	Waseda University	Organizing for Societal Security and Crisis Management: Building Governance Capacity and Legitimacy
JARDINE Richard James	UNITED KINGDOM	Reiko KUWANO	The University of Tokyo	Application of soil laboratory test in practice and evolution of geotechnical engineering
JOHNSON Thomas Edward	U.S.A.	Kenji NANBA	Fukushima University	International collaboration in research and education to advance science of environmental radiation
KAAZEM PUR MOFRAD Mohammad Reza	U.S.A.	Taiji ADACHI	Kyoto University	Multiscale biomechanical modeling of the physiological systems
KARSTEN Stanislav	U.S.A.	Ryuji YOKOKAWA	Kyoto University	Lineage specific iPSCs differentiation on a chip
KARTOZIA Aleksandre	GEORGIA	Kumi TATEOKA	The University of Tokyo	Georgian Cultural Image in Japan Through Soviet-Russian Art
KAWAI Toshihisa	U.S.A.	Mikihito KAJIYA	Hiroshima University	Development of the "off-the-shelf" cell therapy for periodontal tissue regeneration by using C-MSC
KC Dukka Bahadur	U.S.A.	Hiroto SAIGO	Kyushu University	Mining and learning with structured data
KLEWICKI Joseph	U.S.A.	Yoshiyuki TSUJI	Nagoya University	On the universality of velocity profile in high-Reynolds-number wall bounded turbulent flow

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KOIDE Roger Tai	U.S.A.	Yasushi HASHIMOTO	Obihiro University of Agriculture and Veterinary Medicine	Potential role and utilization of mycorrhizal fungi for biodiversity and sustainable agriculture
LANG Mark H.	U.S.A.	Masatoshi GOTOU	Kobe University	Empirical Analysis of Financial Accounting by using QR and LASSO
LI Bin	CHINA	Ko RII	National Center for Child Health and Development	The function of the regulatory T cell in tolerance induction after transplantation
LIU Jiajia	CHINA	Nei KATO	Tohoku University	Pioneering Research on Device-to-Device Communication in 5G Cellular Network
MAHMOOD Mohamad Rusop	MALAYSIA	Tetsuo SOGA	Nagoya Institute of Technology	Fabrication of TiO ₂ /graphene nanocomposite and high efficiency energy conversion
MARTIN Kimball Lee	U.S.A.	Satoshi WAKATSUKI	Kanazawa University	Hecke eigenvalues of automorphic forms and Eisenstein congruences
MAZUMDAR Anupam	UNITED KINGDOM	Masahide YAMAGUCHI	Tokyo Institute of Technology	Non-local and shift-symmetric approach to cosmology
MILO Tova	ISRAEL	Masaru KITSUREGAWA	The University of Tokyo	Research on large scale data platform for IT media and crowd sourcing
MOHAPATRA Nihar Ranjan	INDIA	Ryo MAEZONO	Japan Advanced Institute of Science and Technology	Computational study of electron/phonon transport in extremely scaled semiconductor devices.
NARULA Rajneesh	NETHERLANDS	Chie IGUCHI	KEIO UNIVERSITY	MNEs' R&D location strategies and their effects to host countries
NIELSEN Ulla Gro	DENMARK	Yusuke NISHIYAMA	RIKEN	structural determination of layered double hydroxides by solid-state NMR and electron diffraction

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OESTREICH Martin	GERMANY	Michinori SUGINOME	Kyoto University	Helical-Polymer-Based, Chirality-Switchable Boron Lewis Acid Catalysts for Asymmetric Synthesis
ORI Naomi	ISRAEL	Yutaka SATO	Research Organization of Information and Systems	Comparative developmental biology of rice and tomato, and usage of the knowledge in crop production
PEYVANDI Flora	ITALY	Akitada ICHINOSE	Yamagata University	Investigation on Rare Bleeding Disorders
POOLLA Kameshwar	U.S.A.	Toshiharu SUGIE	Kyoto University	Future Energy Systems: Control, Modeling, and Economics
POORNAMDARIYAN Taqi	IRAN	Ayano SASAKI	Tokyo University of Foreign Studies	A Study on Jalal al-Din Muhammad Rumi's Works
POPOV Valentin L	GERMANY	Ken NAKANO	Yokohama National University	Generalized friction laws: kinetics of frictional force vector originated from system dynamics
RAHMAN Md. Siddiqur	BANGLADESH	Izumi NISHIDATE	Tokyo University of Agriculture and Technology	Rapid and noninvasive optical technique for diagnosing and treating brucellosis in livestock animals
SAHA Shyamal Kumar	INDIA	Hirokazu TADA	Osaka University	Proximity induced magnetism and charge transport in graphene with giant magnetic atoms/molecules
SCALAS Enrico	UNITED KINGDOM	Taisei KAIZOJI	INTERNATIONAL CHRISTIAN UNIVERSITY	Empirical validation of random exchange models for the distribution of wealth
SCHAEFKE Reinhard Helmut Eduard	GERMANY	Yasunori OKADA	Chiba University	Coupling theory and asymptotic analysis for differential equations
SHETH Hetu C.	INDIA	Hidehisa MASHIMA	MEIJI UNIVERSITY	Do plumes exist?

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SHI Yiyu	CHINA	Takashi SATO	Kyoto University	Deep Learning Enabled Techniques for Runtime Power Integrity Assurance
SIM Kok Swee	MALAYSIA	Wenwei YU	Chiba University	Towards Translational Rehabilitation Joint Research
SIMON Jonathan	U.S.A.	Mari HIRAYAMA	HAKUOH UNIVERSITY	Penal Populism and Increased Use of Incarceration: A Comparative Analysis of Japan and the US
SIMUNEK Jiri	CZECH	Hirota SAITO	Tokyo University of Agriculture and Technology	Numerical Analysis of Water, Solute, Gas, and Heat Transport in Porous Media and its Application
SMALYUKH Ivan I	U.S.A.	Nobuyoshi MIYAMOTO	Fukuoka Institute of Technology	Self-assembly of anisotropic colloidal particles in functional liquids
SOLOMON Edward Ira	U.S.A.	Kiyoshi FUJISAWA	Ibaraki University	Electronic structures of active sites in metalloproteins: contributions to reactivity
SOUDANT Philippe	FRANCE	Leila BASTI	Tokyo University of Marine Science and Technology	Immune and reproductive responses of Pacific oysters to harmful algal blooms
STEPANENKO Valerii	RUSSIA FEDERATION	Nariaki FUJIMOTO	Hiroshima University	Effects of internal exposure to radioactive manganese (⁵⁶ Mn) powder in rats
THOMPSON David W. J.	U.S.A.	Shoshiro MINOBE	Hokkaido University	Atmospheric circulation variability, air-sea interaction, and their impacts on Japan
UBEDA DE TORRES Francisco	UNITED KINGDOM	Akira SASAKI	SOKENDAI (The Graduate University for Advanced Studies)	On the evolution of different virulence and resistance in men and women
USKUL Ayse	TURKEY	Yukiko UCHIDA	Kyoto University	Studying Economic Communities in Japan: Rice-Farming and Oceanic Fishing

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VELEZ Patricia	MEXICO	Tsuyoshi HOSOYA	National Museum of Nature and Science	Genomic diversity analysis of a marine fungus <i>Corollospora maritima</i> in Japan.
VERA David R.	U.S.A.	Takeshi OSADA	SAITAMA UNIVERSITY	What changed Japanese Banks in 21st century?-Effects of Monetary Policies and Financial Supervision-
VIGNY Gabriel	FRANCE	Yusuke OKUYAMA	Kyoto Institute of Technology	Complex geometry, pluripotential theory and complex dynamics in higher dimension
WANG Yau Tai Judith	HONG KONG	Yasuo ASAKURA	Tokyo Institute of Technology	Resilience of Transport Systems
WEI Xindong	CHINA	Toru MATSUMOTO	The University of Kitakyushu	Evaluation of Decentralized Wastewater Treatment Systems and Transferability to Developing Countries
WIDHANELAGE Jayawardena Amithirigala	SRI LANKA	Taikan OKI	The University of Tokyo	Hydrological prediction to ensure sustainability and mitigation of water related disasters
WONGWIRIYAPAN Winadda	THAILAND	Kenji TAKEUCHI	Shinshu University	Preparation of activated carbon derived from high nitrogen agricultural materials and application
YANG Chia-Lin	TAIWAN	Hidetoshi ONODERA	Kyoto University	Deep Neural Network Accelerator Design
YI Jingang	U.S.A.	Seiichiro KATSURA	KEIO UNIVERSITY	Robotic Assistive Balance Control for Elderly Bipedal Walkers with Slip
YUE Jia	CHINA	Takuji NAKAMURA	Research Organization of Information and Systems	Study of the middle and upper atmosphere with satellite and ground-based observation
ZHAI Zhiqiang	U.S.A.	Akashi MOCHIDA	Tohoku University	Accurate identification of various pollutant sources within urban spaces

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ZOU Ying	CANADA	Osamu MIZUNO	Kyoto Institute of Technology	Integrating User Sentiment into Software Evolution Processes