

List of Fellows (Invitation Fellowship Short-term FY2016): 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 FY2016 JSPS Invitation Fellowship for Research in Japan (Short-term). Under this recruitment, 298 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, 2016.

Fellow' name (Family/First/Middle)	Host Researcher	Host Institution	Research Theme
ADROJA Devashibhai Thakarshibhai	Toshiro TAKABATAKE	Hiroshima University	Hybridization gap and magnetic excitations in antiferromagnetic Kondo semiconductors
ALEXANDROV Sergey Evgenievich	Kenichi MANABE	Tokyo Metropolitan University	A method to identify a free surface roughness evolution equation in micro forming processes
ARUN Mujumdar Sadashiv	Hironao OGURA	Chiba University	Novel industrial drying technologies for enhanced sustainability
ASSIS LOUREIRO LIMA VIEIRA Paulo Manuel	Masamitsu HOSHINO	Sophia University	Interaction of low-energy electrons with bio-molecules in dissociative attachment experiments
ATTINGER Daniel	Yasuyuki TAKATA	Kyushu University	Study on nano/microscale phase change phenomena on nano-engineered-wettability surfaces
BEAL Peter Andrew	Hiroshi SUGIYAMA	Kyoto University	Adenosine to Inosine Editing in RNA Origami Nanostructures
BEHRENS-ABOUSEIF Doris	Takao ITO	Kobe University	History and culture of the Mamluk Sultanate
BENJAMIN Sailas	Eiji MASAI	Nagaoka University of Technology	Elucidation of Achromobacter mediated di(2-ethylhexyl)phthalate degradation pathway
BERGER Frederic Jacques	Hidetoshi SAZE	Okinawa Institute of Science and Technology Graduate University	Evolution of epigenetic mechanisms regulating transposable elements in plant species
BLANKE Alexander Franz Rudolf	Ryuichiro MACHIDA	University of Tsukuba	Tentorium and mouthpart evolution in early insects - a new insight into their megadiversity -
CAMPBELL Eleanor Elizabeth Bryce	Hisanori SHINOHARA	Nagoya University	Structures, Spectroscopy, Solid State Properties and Device Application of Nanocarbons

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CHEN Mingyi	Tatsuya SAWAMURA	Shinshu University	Elucidation of metabolic mechanisms for pathological red blood cells.
CHOI Heung Suk	Hiroko KUDO	Chuo University	Crisis in Governance and Governmental Responses: Comparing Reforms in Japan and S. Korea
CHU Haiyan	Takeshi FUJII	NIAES	Comparison on soil microbial community distribution between China and Japan
COSTANTINI Jean-Marc	Kazuhiro YASUDA	Kyushu University	Synergistic excitation effects in ionic-covalent materials and its application to defect engineering
CROWE Iain Forbes	Masashi ISHII	National Institute for Materials Science	Solution to quenching problems of nano opto-electronic materials in international framework
CURRAN Henry	Hisashi NAKAMURA	Tohoku University	Modelling and validation of combustion chemistry for incombustible fuels and mixtures
DAMIANI Ernesto	Setsuo TSURUTA	Tokyo Denki University	Algorithm for trust-aware reasoning on data/events from IoT sensors having various trustworthiness
DANIELSSON Jens Albert	Hidehito TOCHIO	Kyoto University	Determination of protein dynamics and folding kinetics in living cells
DE SIENA Luca	Hisashi NAKAHARA	Tohoku University	Monitoring of Campi Flegrei Caldera using seismic coda and ambient noise
DENISON David Michael Benjamin	Fujio NAKAMURA	Aichi Prefectural University	Aspects of English Historical Syntax and Morphology
DI SANTO James	Hiroshi KIYONO	The University of Tokyo	DETERMINANTS OF HUMAN MUCOSAL IMMUNITY

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DMITRENKO Valery Vasilievich	Nobuyuki HASEBE	Waseda University	Basic research on high-density xenon gamma-ray spectrometer for solar exploration
EBERHART Charles George	Yukihiko FUJII	Niigata University	Molecular based diagnosis and treatment of medulloblastoma
FIKRI Mustapha	Yasuyuki SAKAI	University of Fukui	Chemical Kinetic Study on the Knocking Supression of Ether/Gasoline Blend Fuels
FRANGOPOL Dan Mircea	Mitsuyoshi AKIYAMA	Waseda University	Risk-based and resilience-based assessment of structures under multiple hazards
FRANGOUEDES Ekaterini	Kumi SOEJIMA	National Fisheries University	Fisheries communities' renewal in Europe and Japan
FRITZSCHE Wolfgang	Shuichi HASHIMOTO	Tokushima University	Plasmonic nanoparticles for bioanalysis
FULLER Patrick Michael	Michael LAZARUS	University of Tsukuba	Development of a unified model for the humoral and neural mechanisms governing sleep-wake regulation
GEORGE Subi Jacob	Masayuki TAKEUCHI	National Institute for Materials Science	Biomimetic Strategies Towards Living Supramolecular Polymerization
GLADYSHEV Vadim N.	Hisaaki MIHARA	Ritsumeikan University	Studies on versatile effects of selenium-containing biomolecules
GRACZYK Piotr	Hideyuki ISHI	Nagoya University	Application of harmonic analysis on matrix cones to multivariate statistics
GUO Zhengguang	Yasuhide FUKUMOTO	Kyushu University	General formula of the force acting on a body unsteadily moving in a viscous compressible fluid

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HALEY Michael Mark	Takanori SUZUKI	Hokkaido University	Synthesis, Properties and Materials Studies of Novel Carbon-Rich/Pi-Electron-Rich Molecules
HAN Sheng	Shinji YOSHIKAWA	Kyoto University	A new study on human and cultural exchanges between Japan and China in ancient period
HARTNETT John Gideon	Takeshi IKEGAMI	National Institute of Advanced Industrial Science and Technology	Study of ultra-stable microwave oscillators using cryogenic sapphire crystal
HASSAN Ahmed Essam Eldin Ahmed Fouad	Osamu MIZUNO	Kyoto Institute of Technology	Software Analytics for Ultra Large Scale Software Systems
HENNING Thomas	Takashi KOZASA	Hokkaido University	Origin and evolution of dust in the Universe; Exploration of the life cycle of dust in galaxies
HENRY Charles Sherman	Takashi KANETA	Okayama University	Development of frontier in microfluidic analytical devices
HOLLAND Peter William Harold	Noriyuki SATOH	Okinawa Institute of Science and Technology Graduate University	Comparative genomics of animal evolution
HOVEYDA Amir Hossein	Kazushi MASHIMA	Osaka University	Development of Transition Metal Catalysts for Olefin Metathesis and Organic Transformations
HSIEH Chih-Hao	Jotaro URABE	Tohoku University	Integration of ecological stoichiometry and metabolic theory for studying community structures
HUANG Jiaxing	Hiroshi IMAHORI	Kyoto University	Functional Nanosystems by Controlled Assembly
JAN Asad	Kazuo NAKASHIMA	Japan International Research Center for Agricultural Sciences	Functional analysis of stress-responsive genes encoding CCCH-type zinc-finger proteins in rice

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JENKINS Brendan	Masanobu OSHIMA	Kanazawa University	Advanced model research for understanding the molecular pathogenesis of gastric cancer
JENSEN Ole Norregaard	Yasushi SHIGERI	National Institute of Advanced Industrial Science and Technology	Quantitative mass spectrometry and disease proteomics: development and problem points
JUTZI Martin	Masahiko ARAKAWA	Kobe University	Numerical simulations and laboratory experiments on collisional processes among planetary bodies
KABEER Naila	Tamaki ENDO	SAITAMA UNIVERSITY	Bangladesh women and labour decision making in Dhaka and London: Past, Present and Future
KAWAMURA Yayoi	Hitomi ASANO	Nagasaki Junshin Catholic University	Namban lacquer and its historical background
KEMPF Achim	Satoshi WATAMURA	Tohoku University	Relation between quantum information and noncommutative geometry in the theory of quantum gravity.
KOCHELEV Nikolay	Makoto OKA	Tokyo Institute of Technology	Heavy Exotics via Instanton Structure of QCD Vacuum
KORTENKAMP Ulrich	Masataka KANEKO	Toho University	Establishment of the TeX drawing system using dynamic geometry and its effective use in education
KUMARA Gamaralalage Rajanya Asoka	Masamichi YOSHIMURA	Toyota Technological Institute	Synthesis of high-quality graphene from Sri Lankan natural graphite
LANDOLFO Raffaele	Masayoshi NAKASHIMA	Kyoto University	Internationalization for Seismic Design of Steel Building Structures
LEVIA JR. Delphis Francis	Kazuki NANKO	National Research and Development Agency Forestry and Forest Products Research Institute	Study on rainfall redistribution by forest canopy using natural and simulated rainfall

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LI Xingguo	Yoshiyuki SUDA	Toyohashi University of Technology	Research and development of ultra-high-performance fuel cell catalyst using a novel plasma technique
LIU Xingjun	Ryosuke KAINUMA	Tohoku University	Thermodynamic database for Co-based superalloys
MASSON Geraldine Sabine	Takahiko AKIYAMA	Gakushuin University	Asymmetric Catalysis and Synthesis of Natural Products and Biologically Active Compounds
MATSUOKA Kenichi	Kenji KAWAMURA	ROIS	Coupling geophysical and ice-core research to elucidate Antarctic climate and ice-sheet variations
MEHTA Dalip Singh	Motoharu FUJIGAKI	University of Fukui	3D-surface profilometry of micro-structures using phase-shifting Talbot fringe projection method
MILAZZO Marco	Agostini SYLVAIN	University of Tsukuba	Using natural CO ₂ gradient to study the impact of ocean acidification on the coral-kelp transition
MINTERT Florian Maximilian	Yoshitaka TANIMURA	Kyoto University	Dynamics of Spins Systems as a Heat Bath
MOLLA Md. Khademul Islam	Toshihisa TANAKA	Tokyo University of Agriculture and Technology	Efficient Decoding of Surface Electroencephalogram With Data-Driven Multichannel Signal Processing
MOSER Claudio	Kazuya KOYAMA	National Research Institute of Brewing	Genomic approach for the regulation of the grape quality
MUELLER Rolf	Hiroyuki OSADA	RIKEN	Understanding of natural product biosynthesis and elucidation of the mode of action
MUGESH Govindasamy	Toshiaki MURAI	Gifu University	Organoselenium Compounds and their Biological/Biomedical Applications

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MUSHOTZKY Richard Fred	Takaya OHASHI	Tokyo Metropolitan University	New X-ray study of gas dynamics and non-thermal energy generation processes in the Universe
PAJITNOV Andrei	Hisaaki ENDO	Tokyo Institute of Technology	Morse-Novikov theory of 4-manifolds
PARKER Robert C. T.	Yasunori KASAI	The University of Tokyo	Comparative Studies in Religion between Ancient Greece and Japan
PENG Zhijun	Minoru YAGA	University of the Ryukyus	Numerical and Experimental Investigation into Mixing Enhancement of Jets with High Speed Flow
PETERSON Joel Petter	Hideaki MORIKAWA	Shinshu University	Study on Japanese "Paper Yarn" Technology and its Application to New Functional Textiles and Clothes
PETRESKI Marjan	Kazuhiro KUMO	Hitotsubashi University	Return migration and health outcomes in Macedonia
POLCHER Jan	Taikan OKI	The University of Tokyo	Advancing global studies on land surface modeling and large scale hydro-climatological projects
QIU Li	Shinji HARA	The University of Tokyo	Control performance limitation for hierarchical networked dynamical systems
QU Rong	Hisao ISHIBUCHI	Osaka Prefecture University	Automated Design of Optimization Algorithms for Single-Objective and Multi-Objective Problems
RAMIREZ Francesco Bruno	Toshitaka OOHASHI	Okayama University	Study of extracellular matrix in physiology and pathology and its application for therapeutics
RAPAPORT Doron	Toshiya ENDO	Kyoto Sangyo University	Development of methods to analyze biogenesis and assembly of mitochondrial outer membrane proteins

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RONSE DE CRAENE Louis Philippe	Akitoshi IWAMOTO	Tokyo Gakugei University	Morphological study of evolution of trimerous flower in monocotyledons
RUBIN David Charles	Makiko NAKA	Hokkaido University	Autobiographical Memory for Repeated Negative Events
RUBIO Angel	Taizo SASAKI	National Institute for Materials Science	First-principles theory of the properties of low-dimensional nano-structured materials
SASONGKO Teguh Haryo	Go YOSHIZAWA	Osaka University	Engaging the public for ethical practice of genomic studies: Japan-Malaysia exchanges
SERGUNIN Alexander	Akiho SHIBATA	Kobe University	The Prospects for Japan-Russian Cooperation in the Arctic Legal Order-making
SEVINC Ferda	Xuenan XUAN	Obihiro University of Agriculture and Veterinary Medicine	Genome analysis of ovine Babesia parasites
SHABANA Yasser Mohamed	Takuya MORIMOTO	Shimane University	Developing Microscopic Constitutive Equations for Advanced Nanocomposites under Different Loadings
SHI Zhiguo	Nei KATO	Tohoku University	A Study on Architecture Design of Wireless Sensor Networks in IoT Era
SOLOSHONOK Vadim Anatolievich	Azusa SATO	Tokyo Women's Medical University	The development and the application of a new trifluoromethylation reagent
SOUSA Leonel Augusto	Shinichi YAMAGIWA	University of Tsukuba	HiPECES: High Performance and Energy-aware Computing on Heterogeneous Embedded Systems
STARY Ivo	Kenso SOAI	Tokyo University of Science	Asymmetric autocatalysis triggered by chiral helicenes

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STEWART Matthew Blair	Hideto MATSUYAMA	Kobe University	Studying organic fouling of polymeric membranes from an atomistic perspective.
SYAHRULLAIL BIN Samion	Shunpei KAMITANI	Kagoshima University	Evaluation of modified palm kernel oil as cold extrusion lubricant
TOSTEVIN Jeffrey Allan	Takashi NAKAMURA	Tokyo Institute of Technology	Study of reaction theories for probing exotic structure of extremely neutron-rich nuclei
UDAYAKUMER Deva Priyakumar	Masahiro EHARA	National Institutes of Natural Sciences	Effect of support polymers on the dynamics and catalytic efficiencies of gold nanoparticles
UTHICKE Sven	Nina YASUDA	University of Miyazaki	Development of larval detecting tools of <i>Acanthaster planci</i> for predicting population outbreak
WADDINGTON John Lionel	Hiroko IKEDA	Hoshi University	Investigation of the role of central dopaminergic system in the regulation of feeding behavior
WANG Chun-Yao	Shigeru YAMASHITA	Ritsumeikan University	Integrating Logic Synthesis and Verification for Threshold Logic Circuits
WILLIAMS Eric David	Koji TOKIMATSU	Tokyo Institute of Technology	Study on diffusion and deployment strategy for energy technologies
WITALA Henryk Alojzy	Kimiko SEKIGUCHI	Tohoku University	Quantitative study of three-nucleon forces based on chiral dynamics in three-nucleon scattering
YANG Nuo	Junichiro SHIOMI	The University of Tokyo	Development of nano-phononic crystals with high thermoelectric performance
YANG Xiao-Feng	Ko RII	National Research Institute for Child Health and Development	The function of the graft vascular endothelial cell in tolerance induction after transplantation

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ZAKI Tamer A. N.	Yosuke HASEGAWA	The University of Tokyo	Development of adjoint-based scalar source identification algorithm in a turbulent boundary layer