

List of Fellows (Invitation Fellowship Long-term FY2015): Selected through Open Recruitment

The following list includes the names of the selected fellows, their host researchers and research themes under the recruitment of FY2015 JSPS Invitation Fellowship for Research in Japan. Under this recruitment, 226 applications were received, among which 70 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, 2015.

Fellow' name (Family/First/Middle)	Host Researcher	Host Institution	Research Theme
ASANO, Katsura	SAITO Hirohide	Kyoto University	The role of regulated start codon selection in stem cell biology
ATTRI, Pankaj	SHIRATANI Masaharu	Kyushu University	Effects of plasma and ionizing radiation on biomolecules in osmolytes/ionic liquids
BAKKER, Astrid Diana	KAMIOKA Hiroshi	Okayama University	Transmission mechanism of the external mechanical stress into the nucleus in osteocytes
BARKANA, Rennan	YOSHIDA Naoki	The University of Tokyo	Probing cosmic reionization by observations of hydrogen 21cm line
BIANCO, Alberto	MIYAKO Eijiro	National Institute of Advanced Industrial Science and Technology	Diagnosis and chemical therapy for cancer treatment using nanohybrids
BONO, Giuseppe	MATSUNAGA Noriyuki	The University of Tokyo	A comprehensive approach to constrain the structure of the Galactic disk and the Magellanic Clouds
CHEN, Yu	JINNAI Hidenobu	Hosei University	Approaching Community-centric Urban Regeneration in East and Southeast Asia
CHOE, Jae-Woong	HARADA Yasunari	Waseda University	A corpus-driven analysis of semantic preferences for the adnominal constructions in Korean & Japanese
CHOI, Eung Chon	KASHIMA Masaru	Taisho University	A Fundamental Study of Applied Art of Esoteric Buddhism in Japan and Korea.
CHOUDHARY, Ruchi	OOKA Ryozo	The University of Tokyo	Development of Optimum Control Method for Building and Urban Energy System
COX, Rupert Andrew	TANAKA Masakazu	Kyoto University	A Comparative Study of Coral Reefs in Okinawa and Guam as Militarized Environments.

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CRIVELLO, Jean-Claude Michel	MOURI Tetsuo	Tohoku University	Lattice thermodynamics of alloy phase equilibria
CROWLEY, Christian	SHIMAZAKI Yoshiaki	Akita Prefectural University	Information systems for the efficient use and management of environmental resources
CRUTSINGER, Gregory Mitchell	SATO Takuya	Kobe University	Studies on the roles of gene-environment interactions in determining ecosystem linkages
DEGTAREV, Alexander	SHIMADA Ichiro	Hiroshima University	Topological approach to algebraic varieties
DOUGLAS, John	MIDORIKAWA Saburo	Tokyo Institute of Technology	Advancement of probabilistic seismic hazard assessment with use of ground motion simulations
EBEID, Tarek Amin	SUGIYAMA Toshie	Niigata University	Effects of heat stress on chicken medullary bone function and eggshell quality
GANEEV, Rashid	KURODA Hiroto	Saitama Medical University	Study and development of the advanced laser technology and its application to medical bio science.
GHOSH, Biswajit	MORISHITA Tomoaki	Kanazawa University	Unraveling of ultramafic-hosted hydrothermal system: a record from Andaman Ophiolite, India
GOBLE, Andrew Edmund	NIKI Hiroshi	Osaka City University	The Development of Medical Culture in the Daily Lives of Honganji Urban Dwellers
GOLAM, Sarower Md	OKADA Shigeru	The University of Tokyo	Analysis of population genetic diversity of mud crab and profiling its bioactive compounds
GUCHINOVA, Elza-Bair Matsakovna	KOSHINO Go	Hokkaido University	Visual Memory of Japanese POWs on Socialist Culture of Stalin's Era

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GUEGAN, Regis	MIYAMOTO Nobuyoshi	Fukuoka Institute of Technology	Novel nano-structures in the mixture of nanosheet liquid crystals and non-ionic surfactants
HABIB, Md Ahsan	OWARI Masanori	The University of Tokyo	Introduction of new surface modification beam to dual-focused-ion-beam SIMS instrument
HAIJIMA, Agnese	ARAKI Hiroshi	National Institutes for the Humanities	Humor in Japanese Art
HEMMERT, Martin	OKAMURO Hiroyuki	Hitotsubashi University	International Comparative Studies of Innovative Entrepreneurship in Japan and Korea
HOLIC, Roman	UEMURA Hiroshi	National Institute of Advanced Industrial Science and Technology	Development of efficient secretory production system of ricinoleic acid in fission yeast
KANJOU, Youssef	TSUNEKI Akira	University of Tsukuba	Syrian cultural heritage for forming the national identity and the peace keeping activity
KARSTEN, Stanislav L.	FUJITA Hiroyuki	The University of Tokyo	New Bio-MEMS platform for real time evaluation of DNA cross-linking drugs using silicon nanotweezers
KAUFMANN, Johanna Magdalena	TAKUBO Yukinori	Kyoto University	Formal semantic approach to performative modality
KAWAJI, Masahiro	KUNUGI Tomoaki	Kyoto University	Experimental and Numerical Studies on Flow Boiling Phenomena
KAWSAR, S.m. Abe	OZEKI Yasuhiro	Yokohama City University	Study on novel marine lectins based on gene diversification to promote life sciences
KUVICHKIN, Vasily Vladimirovich	YAMAZAKI Masahito	National University Corporation Shizuoka University	Reconstruction of nuclear pore in a giant liposome using DNA/membrane/magnesium ion complex

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LEFEVERE, Raphael	SASA Shin-ichi	Kyoto University	Emergence of irreversibility in reversible dynamical systems and large deviations.
LI, Fang	SHIKU Hitoshi	Tohoku University	Integrated device to characterize cellular differentiation status based on cell adhesion property
LIU, Jeng	NAKATA Yoshifumi	Doshisha University	The Succession of Manufacturing Firms: A Comparative Study of Taiwan and Japan
LIU, Fei	MATSUNO Hiroshi	Yamaguchi University	Modeling of Multiscale Multi-Cell Systems using Colored-Hybrid Petri Nets
MCALEER, Michael John	NAWATA Kazumitsu	The University of Tokyo	Studies of testing and estimation methods in econometrics
MIAH, Abdul Gaffar	HAMANO Koichi	Shinshu University	Effect of black cumin oil on cryosurvivability of ovine sperm
MIRANOWICZ, Adam Jacek	NORI Franco	RIKEN	Quantum engineering in optical and low-dimensional condensed matter system
MONAGHAN, Michael Thomas	WATANABE Kozo	National University Corporation Ehime University	Dispersal and Adaptation of Dengue Mosquitoes: Population Genomics and Metabarcoding of Water eDNA
MONDAL, Rabindra Nath	YANASE Shinichiro	Okayama University	Fluid dynamical study of the optimization of a shunt structure for dialysis
NACK, Frank-Michael	IDE Ichiro	Nagoya University	Automatic generation of audio-visual chronological narratives from materials in news video archives
NARAYAN, Bhaskar	MIYASHITA Kazuo	Hokkaido University	Development of food emulsions that retain activities of marine functional materials

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NEDYALKOV, Nikolay Nedyalkov	TERAKAWA Mitsuhiro	KEIO UNIVERSITY	Fabrication and study of novel plasmonic materials
OHTA, Aaron Takami	WANG Zhidong	Chiba Institute of Technology	Control of Multiple Cooperative Autonomous Microrobots for Microassembly of Live Cells
PALAKURISSI BALAGOPAL, Sunil Kumar	KOMURA Shigeyuki	Tokyo Metropolitan University	Morphology and dynamics of active membranes interacting with biopolymers
PAN, Wei	YAN Wanglin	KEIO UNIVERSITY	The Relationship between Typhoon in East Asia and Global Warming Since 1650AD
PEIRANI, Sebastien	BUNDY Kevin allen	The University of Tokyo	A theoretical framework for exploiting MaNGA data
QIU, Yanling	SEKIGUCHI Yuji	National Institute of Advanced Industrial Science and Technology	Microbiome analysis of methane-generating treatment systems for environmental management
RASEKH, Arash	OSAWA Naoya	Kyoto University	Density effect on ecological characteristics at mass-rearing in <i>Harmonia axyridis</i>
RIEU, Alain Marc	KOBAYASHI Tadashi	Osaka University	Geopolitics of research policy and innovation
RITSCHHEL, Bernd	IYEMORI Toshihiko	Kyoto University	New method for semantic interoperability among international Solar-Terrestrial Science data systems
RIVARD, Eric	YAMASHITA Makoto	Chuo University	Development of Te-containing organomaterials based on the interaction among main group elements
SANDERS, Dirk	ADACHI Kazuhiko	Kobe University	Calculation of high duty bolted joints with dynamic stress

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SCHEIFFELE, Peter Rolf	HAYASHI Yasunori	RIKEN	Neuronal activity-dependent regulation of local protein synthesis by nonsense mediated mRNA decay
SCHRAMM, Michael P	IWASAWA Tetsuo	Ryukoku University	Silicon functionalized cavitand chemical microbalances and catalytic micro-reactors.
SEMMENS, Jayson Mark	WATANABE Yuuki	ROIS	The ecology and energy budget of sharks
SHI, Weiyu	TATENO Ryunosuke	Kyoto University	Soil CO2 emission and its impact factors in natural oak forests on humid and semiarid region
SUH, Sangwon	KAGAWA Shigemi	Kyushu University	Studies on supply risk of rare metals through international trade network analysis
SULTANA, Mahfuza Sharifa	YOSHIDA Satoshi	National Institute of Radiological Sciences	Transfer of radionuclides and heavy metals from soil to crops in Asian environment
SYM, Stuart David	SUDA Shoichiro	University of the Ryukyus	Taxonomy and phylogeny of the genus <i>Pyramimonas</i> , a key algae of early evolution of green plants
TEMPLETON, Thomas James	KANEKO Osamu	NAGASAKI UNIVERSITY	Mechanism of gliding motility of the malaria parasite
TIKHONOVA, Maria Alexandrovna	KUNUGI Hiroshi	NCNP	A neuropharmacological study on ceftriaxone
TU, Nien-Tzu	OHTA Miyuki	Hitotsubashi University	A Comparative study on Non-formal Education and Community Networks in Taiwan and Japan
VASILE, Massimiliano Lorenzo	YAMAKAWA Hiroshi	Kyoto University	Optimal Low-Thrust Active Debris Removal Under Model Uncertainty

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VAVYLONIS, Dimitrios	WATANABE Naoki	Kyoto University	Live-cell single-molecule imaging analysis of cellular mechanosense
VIDAKOVIC, Melita	OKAMOTO Akimitsu	The University of Tokyo	Identification of novel DNA (de)methylating compounds using MeFISH toward diabetes attenuation
VLADKOVA, Radka Slavova	TSUYAMA Michito	Kyushu University	Kinetics of state transitions in a variety of field plants and leaf development stages
YOO, Byung-Kwang	KOBAYASHI Yasuki	The University of Tokyo	The social determinants of broad health outcomes among the Japanese population