

## List of Fellows Selected through Open Recruitment in Japan

The following list includes the names of the selected fellows, their host researchers and research themes under the first recruitment of FY 2014–2015 JSPS Postdoctoral Fellowship Program for Foreign Researchers. Under this recruitment, 1101 applications were received, among which 120 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, 2014. An award letter will be sent to the successful candidates. Unsuccessful applicants (host researchers) will receive a notice of their approximate ranking, and will inform the candidates. Individual requests for selection results are not accepted.

Fellow			Host Researcher	Host Institution	Research Theme
Family Name	First Name	Middle Name			
ABDELGAWWAD	Sameh	Magdeldin Mohamed	TADASHI YAMAMOTO	Niigata University	Global analysis of phosphorylation and ubiquitylation cross-talk in glomerular protein degradation
AKHTAR	Nahid		TAKESHI IZUTA	Tokyo University of Agriculture and Technology	Combined effects of ozone and salt stress on Bangladeshi cultivars of rice
AL-SHAMI	Salman	Abdo Ali	TSUYOSHI YOSHIMURA	Kyoto University	Importance of Ecological Interactions in Lignin Degradation by the White-rot Fungi
AMPONSAH	Samuel		TAKASHI KUROSAKI	Hitotsubashi University	Comparative Study of Health Shocks, Formal Health Insurance, and Informal Coping Mechanism
ANGELES	Jose Ma.	Moncada	SHINICHIRO KAWAZU	Obihiro University of Agriculture and Veterinary Medicine	Development of immunochromatographic test for unified disease surveillance of Schistosomiasis
ARRIAGA	Gustavo		KAZUO OKANOYA	The University of Tokyo	Neural bases of ultrasonic social communication in laboratory mice
ASIKIN	Yonathan		HIROSUKE OKU	University of the Ryukyus	Molecular mechanisms on the stress amelioration by tropical and subtropical aroma plant resources
AU	Kwok Cheong Ricky		KATSUMI WATANABE	The University of Tokyo	Dynamic Numerosity Perception in the 3-Dimensional Space
AUNG	May	Sann	NAOKO NISHIZAWA	Ishikawa Prefectural University	Analysis of molecular mechanisms of Fe excess in rice and producing Fe excess tolerant rice
AYMERICH FRANCH	Laura		MASAHIKO INAKAGE	KEIO UNIVERSITY	Sociopsychological Study on Human Behavior and Self-representation in Telexistence
BAI	Yongtao		MASAYOSHI NAKASHIMA	Kyoto University	Collapse Test and Analysis of Composite Structures and Quantification of their Collapse Margin

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BAO	You-Mei		MASAKATSU SHIBASAKI	Microbial Chemistry Research Foundation	Development of a Lewis acid/carbene cooperative catalyst
BEDADA	Tadessa	Daba	MASAYOSHI SHIGETA	Kyoto University	Futurability of Teff-Enset Agriculture in Ethiopia: Its Nutritional and Socio-Cultural Study
BLANKE	Alexander	Franz Rudolf	RYUICHIRO MACHIDA	University of Tsukuba	Mouthparts evolution in basal insects – a comparative embryological approach
BONN	Gregory	Bibby	JIRO TAKAI	Nagoya University	International student beliefs and expectations: Implications for adjustment and host students
BOREDDY	Reddy	Suresh Kumar	KIMITAKA KAWAMURA	Hokkaido University	Long-term measurements for the hygroscopicity of remote marine aerosols in the western North Pacific
BOUBOURAKAS	Iraklis		MUNETAKA HOSOKAWA	Kyoto University	Screening of plant antiviral and antiviral agents based on the genetic bioassay system
BUDISANTOSO	Timotheus		MICHISUKE YUZAKI	KEIO UNIVERSITY	New functions of C1q family molecules in the synapse maturation.
BUI	Tinh	Quoc	SOICHI HIROSE	Tokyo Institute of Technology	Fracture analysis of advanced functional and structural composite materials
CASCO ROBLES	Martin	Miguel	CHIKAFUMI CHIBA	University of Tsukuba	Functional analysis of Pax6 in adult newt retinal regeneration by transgenesis
CHAIKAKUL	Papichaya		KAZUMI WADA	The University of Tokyo	New Si photonics based on mid-refractive index contrast optics (MiDex) platform
CHENG	Tonglei		YASUTAKE OISHI	Toyota Technological Institute	All-solid composite soft glass photonic bandgap fibers for optical signal processing

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CHIARI	Luca		YASUYUKI NAGASHIMA	Tokyo University of Science	Studies of inner-shell ionization by positronium impact
CHIARO	Gabriele		TAKASHI KIYOTA	The University of Tokyo	Experimental analysis and prediction of failure mechanisms of liquefiable soils in sloped ground
CHIKKADE	Prasanna Kumara		MOTOMU KANAI	The University of Tokyo	Catalysis to Realize Conceptually-New Efficient Synthesis of Drug Lead Molecules
CORBETT	Michael	Thomas	TAKASHI OOI	Nagoya University	Development of Chiral bis(Triazolium) Architectures for Organic Ion-Pair Catalysis Applications
COSENTINO	Salvatore		TERUO YASUNAGA	Osaka University	Metagenomic Detection System for Drug-resistance and Pathogenicity in Bacterial Infections
COSSU	Marco		AKIRA YANO	Shimane University	Development of semi-transparent solar cell roofs for application in Japanese and Italian greenhouses
DAO	Quang-Duy		MASANORI OZAKI	Osaka University	Development of High Efficient Solar Cell based on Liquid Crystalline Semiconductor
DAVIS	Steven	Ray	MOTOKO IKEDA	Nagoya University	Convergent evolution of rostrum in insects
DHEIVASIGAMANI	Thangaraju		YASUHIRO HAYAKAWA	National University Corporation Shizuoka University	Fabrication of core-shell nanostructures for bio application
DIRIENZO	Nicholas	Paul	HITOSHI AONUMA	Hokkaido University	Biogenic amines as a modulatory mechanism of female response to multimodal signals
DOAN	Hong Duc		ISAO SATOH	Tokyo Institute of Technology	Development and application of fluidic optical devices by using transient lens effect

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FOREL	Marie-Beatrice		TAKASHI TOYOFUKU	JAMSTEC	Bridging the gap between Paleontology and Biology: Ostracods and environmental variations
GAO	Jing		MAKOTO FUJITA	The University of Tokyo	Rational fabrications of unconventional POM-based functional MOFs and cage materials
GU	Cheng		DONG-LIN JIANG	National Institutes of Natural Sciences	Molecular Design and Functional Exploration of Conjugated Microporous Polymer Films
GUO	Chaowan		TOMOO OGI	NAGASAKI UNIVERSITY	Molecular functional analysis on the initiation of transcription coupled nucleotide excision repair
HALDER	Sebok	Kumar	HIROSHI UEDA	NAGASAKI UNIVERSITY	Translational research of prothymosin alpha and its small peptides in neuroprotection & neurogenesis
HAO	Zhen	Jiang	KATSUMI YAMAMOTO	Kyoto University	Basic Structure of the Japanese Act on Civil Execution
HARA	Emilio	Satoshi	TAKUYA MATSUMOTO	Okayama University	In vitro fabrication of cartilage tissue by using synthesized microenvironment
HOQUE	A.t.m.	Rafiqul	KAZUO NADAOKA	Tokyo Institute of Technology	Economic Valuation and Mapping of Mangrove Ecosystem Functions and Services in Bangladesh Coasts
HOSSEN	Md.	Nazir	KAZUAKI KAJIMOTO	Hokkaido University	Development of an advanced nanotherapeutic system targeting to angiogenic vasculature in obese fat
HOU	Xubin		SAYAKA SUGIYAMA	Niigata University	Roles for actin reorganization in critical period plasticity
HU	Ming		SUSUMU KITAGAWA	Kyoto University	Heterogeneous catalysts based on porous coordination polymers with designed macrostructures

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HUANG	Hu		JIWANG YAN	KEIO UNIVERSITY	Piezo-driven in situ nanoindentation for fabricating micro-structured surfaces
ISLAM	Mohammad	Safiqul	KAZUSHIGE YOKOTA	Shimane University	Pharmacogenetics of cytochrome P-450 involved in drug metabolism and generation of bioactive lipids
JAGADALE	Ajay	Dattu	GUOQING GUAN	National University Corporation HIROSAKI UNIVERSITY	Fabrication of metal oxide film electrodes with controllable pore structure for supercapacitors
JAMSHIDI	Ali		KIYOFUMI KURUMISAWA	Hokkaido University	Evaluation of engineering properties and sustainability of concrete pavement with waste materials
JIA	Baolei		TOSHIAKI FUKUI	Tokyo Institute of Technology	Functional Analysis and Molecular Design of Promiscuous Enzymes in hyperthermophilic glycolysis
JIA	Tingting		HIDEO KIMURA	National Institute for Materials Science	Interfacial microstructure and the strain state of ferroelectric hetrostructures
KAPONI	Maria	Sotirios	TERUO SANO	National University Corporation HIROSAKI UNIVERSITY	Development of novel plant virus and viroid diagnosis method based on aptamer technology
KRAL	Robert		AKIRA YOSHIKAWA	Tohoku University	Exploring of new halides scintillators
KUANG	Yi		HIROHIDE SAITO	Kyoto University	Combination of RNA Switch and Molecular Nanofibers for Selective Inhibition of Cancer
KUMAR	Gopalakrishnan		TAKURO KOBAYASHI	National Institute for Environmental Studies	Dual-fuel production using the biogas-fed photo-reactor including granulated microalgae
KWON	Jungmi		MOTOHIDE TAMURA	The University of Tokyo	A Study of Protoplanetary Disks with high-resolution circular polarimetry

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LAVOINE	Nathalie	Marie	AKIRA ISOGAI	The University of Tokyo	Preparation of thermoresponsive nanocelluloses and their medical applications
LEE	Jae-Ho		HAJIME TANAKA	Tohoku University	The generalized Terwilliger algebra of a distance-regular graph and a double affine Hecke algebra
LEE	Geauchul		TAKESHI ITO	The University of Tokyo	Reorganization of Urban Spaces in Seoul and Tokyo during the Modern Transition Period
LEE	Sangheon		YASUO IHARA	The University of Tokyo	Pattern and process in language evolution
LEE	Min Chul		HIDEAKI SOYA	University of Tsukuba	Unraveling the molecular basis of hippocampal function improvement by voluntary resistance running
LI	Zhaoyang		MASAHIRO YAMASHITA	Tohoku University	Photo-Switchable Single-Molecule Quantum Magnets
LI	Junjun		NORIO NAKATSUJI	Kyoto University	Micro/nanoengineered platform to remove undifferentiated human PSCs from derived cardiomyocytes
LI	Feng		TAKESHI NISHIO	Tohoku University	Exploiting alleles responsible for high nitrogen use efficiency of rapeseed by association analysis
LIAO	Jiyuan		KENZABURO TANI	Kyushu University	Revealing the molecular signaling required for cellular reprogramming for iPSC generation
LINDNER	Benjamin	Daniel	YOSHITO TOBE	Osaka University	Highly Ordered Chemical Modification of Graphene Utilizing Self-Assembly at Solid/Liquid Interfaces
LIU	Biao		AKIHIRO MICHISAKA	Kyoto University	Construction of Interlanguage Corpus of Chinese Learners for Developing the Teaching Materials

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LIU	Fengchao		KAZUHIRO NAKATA	Osaka University	Direct joining process of metal and plastic using friction energy and solution of joining mechanism
LOIK	Nikita	Dmitrievich	HIROAKI SUGA	The University of Tokyo	Discovery of isoform-selective macrocycles that inhibit human propyl-4-hydroxylases
MACHEBE	Ndubuisi	Samuel	YOKO KATO	Kinki University	Studies on the porcine cloning with stem cells and reprogramming factors
MALHAT	Farag	Mahmoud	HIROZUMI WATANABE	Tokyo University of Agriculture and Technology	Development of an assessment system for pesticide run-off and residue from/in agricultural soils
MISHRA	Vimal		NAOTA HANASAKI	National Institute for Environmental Studies	An Integrated Hydrologic Model to Explore Water Management Options under Climate Change in India
MOLINA LOPEZ	John	Jairo	RYOICHI YAMAMOTO	Kyoto University	Computational Modeling of Active Matter: Theory and Applications
MOTZ	Holger	Martin	SHOJI TORII	Waseda University	Search for Dark Matter Signatures in Cosmic Rays with the CALET Experiment
NEOH	Kok Boon		TSUYOSHI YOSHIMURA	Kyoto University	Restoration of degraded peat land in Southeast Asia: using termites as ecosystem service provider
NIU	Qigui		YU-YOU LI	Tohoku University	Development of a new integrated anammox process for the treatment of methane fermentation wastewater
NKOUAWA	Agathe		YASUHITO SAKO	Asahikawa Medical University	Whole-genome comparative analysis of Taenia solium isolates: Tissue tropism and DNA detection
O'DAY	Robin		YASUSHI UCHIYAMADA	University of Tsukuba	Networked Volunteerism: The techno-social dimensions of disaster recovery

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ORMOND	John	Oliver Heal	JOSHUA JOHANSEN	RIKEN	Neural circuits of fear and anxiety
PADALKAR	Vikas	Sudam	SHU SEKI	Osaka University	FRET Induced Fluorophores tagged with Nano-particle Sensors for Protein and Cell Sensing
PAKHIRA	Srimanta		MASATAKA NAGAOKA	Nagoya University	Anomalous Aggregation Processes of Molecular Clusters Confined in Microporous Materials
PANDA	Tamas	Kumar	SUSUMU KITAGAWA	Kyoto University	Construction of coordination framework catalysis for direct 4-electron reduction of O <sub>2</sub> molecule
PARIA	Sayantana		SHINOBU ITOH	Osaka University	Development and Application of Novel Bio-related Mononuclear Copper Active Oxygen Complexes
PELLITTERI	Marco		KIYOMITSU YUI	Kobe University	Soft power of J-culture and images of Japan in Europe: A multi-technique international survey
PENG	Chunling		YUJIRO MURATA	The University of Tokyo	Intellectual Change in Late Qing and Early Republican Jiangnan and its Relations with Meiji Japan
PONESAKKI	Ganesan		KAZUO MIYASHITA	Hokkaido University	Study on the modulation of marine carotenoids on FGF-2 signaling in vascular endothelial cells
PRADHAN	Kalpataru		SEIJI YUNOKI	RIKEN	Electronic and Magnetic Reconstructions at Transition Metal Oxide Heterointerfaces
PUENNER	Florian		MIKIKO SODEOKA	RIKEN	Development of Catalytic Asymmetric Oxidative Enolate Coupling Reactions
RAHAMAN	Muhammad	Mustafizur	HISAKI KONO	Kyoto University	Exploring the possibility of mobilizing social business in economic and social development



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RODRIGUEZ	Juan	Facundo	MASAHITO IKAWA	Osaka University	Application of CRISPR/CAS system form mouse genome engineering for the study of fertilization
SAGOR	G.h.m.		TOMONOBU KUSANO	Tohoku University	Molecular basis of self-defensive roles of polyamines against environmental stresses in plants
SEOUGH	Jungjoon		YASUHIRO NARIYUKI	University of TOYAMA	Study of Temperature Anisotropy Versus Beta Inverse Correlation in the Solar Wind
SHAHJAHAN	Md.		HIRONORI ANDO	Niigata University	Regulation and functional analysis of kisspeptin-GnRH system in lunar-synchronized spawning
SHORT	Gregory	James	MARIKO KONDO	Waseda University	Framework for Efficient and Painless CALL System Development
SHOVON	Mohammad	Shariar	TAKAHIRO ASAMI	Shinshu University	Chemical ecology of hybrid vigor and breakdown in premating isolation between snails
SILSIRIVANIT	Atit		NORIE ARAKI	Kumamoto University	Study for the novel glyco-protein related to the malignancy of cholangiocarcinoma and its stem cells
SINGH	Gulab		YOSHIO YAMAGUCHI	Niigata University	Geo/Bio-environmental monitoring of the earth by fully polarimetric radar
SIVAKUMAR	Thillaiampalam		NAOAKI YOKOYAMA	Obihiro University of Agriculture and Veterinary Medicine	Elucidation of anemia mechanism in Theirelia orientalis-infected cattle
SO	Rina		KIYOJI TANAKA	University of Tsukuba	Establishment of the exercise program for weight-loss with activation of irisin
SON	Suyoung		SATOSHI MURAKI	Kyushu University	Clothing ergonomics study on standard for wearer mobility with personal protective equipment

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STUHL	Laszlo		MASAKI SASANO	RIKEN	Study of anti-analog giant dipole resonances on unstable tin isotopes
SUN	Yue		TSUYOSHI TAMEGAI	The University of Tokyo	Enhancement of Tc and Jc in bulk iron-chalcogenide superconductors
TANTIRIGAMA	Malinda	L.s.	YASUO KAWAGUCHI	National Institutes of Natural Sciences	Synaptic properties of callosal input to pyramidal neuron subtypes in mouse motor cortex
TIAN	Zhaoming		SATORU NAKATSUJI	The University of Tokyo	"Single Crystal Study of Quantum Spin Liquid State in Transition Metal Compounds"
TOURLOUSSE	Dieter	Maurice	NAOHIRO NODA	National Institute of Advanced Industrial Science and Technology	Artificial enzymes for next-generation sequencing library construction
TRIGG	Dylan	James	KOHI ISHIHARA	The University of Tokyo	Toward a Phenomenology of the Anxious Body: a Philosophical and Interdisciplinary Study
TRIPATHI	Bijay	Prakash	KENJI MIYATAKE	University of Yamanashi	Synthesis of anion conductive aromatic polymers and their fuel cell applications
VERMA	Rajiv	Kumar	KAZUHIKO NAKATANI	Osaka University	Studies on organic reader molecules toward single base resolution in nanopore sequencing
VISENTINI SCARZANELLA	Marco		HIROSHI KAWASAKI	Kagoshima University	Development on medical system using 3D scanning technique of fast-moving deformable object
WANG	Jian		TAKASHI KUMAGAI	Kyoto University	Potential Theory on Non-Local Operators
WANG	Yu		JIEN KATO	Nagoya University	Automatic Violence Rating of Web Video Contents

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WANG	Maomao		AIMING LIN	Kyoto University	Study on active thrust, paleoseismology and earthquake hazard in the eastern margin of Tibet Plateau
WANG	Hao		TETSURO IZUMI	National University Corporation Gunma University	Roles of regulated secretory pathways in acquired immune responses
WANG	Junjie		NAOTO UMEZAWA	National Institute for Materials Science	Theoretical study of photocatalytic activities on graphene-like material/TiO <sub>2</sub> interfaces
WERNER	Carl Frederik	Benedikt	TATSUO YOSHINOBU	Tohoku University	High-resolution chemical imaging system for analytical chips based on semiconductor devices
WU	Ronin		TAKASHI ONAKA	The University of Tokyo	Cross-correlations of the star-formation tracers between Spitzer, AKARI, and Herschel
XU	Jian		TAKAHIRO KUSAKABE	Kyushu University	Analysis of MAPK gene network of the silkworm, Bombyx mori
YAM	Chit Hong		YASUHIRO KAWAKATSU	The Institute of Space and Astronautical Science, Japan Aerospace	Automatic Design of Low-Thrust Multiple Gravity Assists Trajectories in Multi-Body Systems
YAN	Wenjiao		REIKO MIYAOKA	Tohoku University	Development and applications of submanifold geometry
YASMIN	Nighat		ICHIRO TANIUCHI	RIKEN	Roles of Runx in DC subset differentiation and dissection of TGF $\beta$ signals in T cell subsets
ZHANG	Zongyang		GOICHIRO HANAOKA	National Institute of Advanced Industrial Science and Technology	Design and Security Evaluation of Real-World Cryptographic Protocols in Imperfect Implementations