

## List of Fellows (Invitation Fellowship Long-term FY2016): Selected through Open Recruitment

The following list includes the names of the selected fellows, their host researchers and research themes under the recruitment of FY2016 JSPS Invitation Fellowship for Research in Japan (Long-term). Under this recruitment, 235 applicants 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, 2016.

Fellow' name (Family/First/Middle)	Host Researcher	Host Institution	Research Theme
ABOU ELAZAB Mohamed Fahmy Mohamed	Shuichi FURUSAWA	Hiroshima University	Elucidation of the mechanism to control immune suppression with the maternal antibody in chicken.
ANDERSON William Gary	Susumu HYODO	The University of Tokyo	Intestinal function in elasmobranch fish
BAER Oliver Guenther	Sinya AOKI	Kyoto University	Multi-hadron-state contamination in lattice QCD by effective theory
BANZRAGCH Nandintsetseg	Masato SHINODA	Nagoya University	Development of early warning system of derivative multi-disasters in Mongolia
BHAKTA Jatindra Nath	Kouhei OHNISHI	KOCHI UNIVERSITY	Toxic metal(loid) decontamination in intestinal milieu of mice using probiotic bacteria
BOEUF Frederic	Shinichi TAKAGI	The University of Tokyo	Evaluation of the Feasibility of Heterogeneous Integration for Optical SoC in the IoT Era
CHAGUE-GOFF Catherine Yvonne, Marie-Therese	Takeshi KOMAI	Tohoku University	Priority Academic Research on Geochemical and Statistical Analysis of Tsunami Deposits
CHEN Bing-Yu	Masahiko INAMI	KEIO UNIVERSITY	Advanced Research on Human-Computer Interaction, Computer Graphics and Video and Image Processing
CHEN Jin Xiang	Yoji OKABE	The University of Tokyo	Ultralight biomimetic composite structural panel based on the column-honeycomb hybrid structure
DANG Song	Qiang XU	National Institute of Advanced Industrial Science and Technology	Study of MOF-immobilized metal nanocatalysts for highly efficient dehydrogenation of formic acid
DARWISH Wageh Sobhy Abdelrahem Abdallah	Mayumi ISHIZUKA	Hokkaido University	Carotenoids as decision makers in toxicology: Signalling pathways for adaptation and adverse outcome

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DONE Christine	Tadayuki TAKAHASHI	Japan Aerospace Exploration Agency	Study of Blackhole and Neutron Star with X-ray Astronomy Satellites
EPRON Daniel	Masako DANNOURA	Kyoto University	Coupling phloem function and anatomy in trees
FANTILLI Alessandro Pasquale	Tomoya NISHIWAKI	Tohoku University	Eco-mechanical performance index of ultra-high performance fiber reinforced cement composite
FAROUQUE Mohammad Golam	Katsuhito FUYUKI	Tohoku University	Establishment of Community-based Natural Resources Management Approach in Bangladesh
FISCH Michael Adam	Atsuro MORITA	Osaka University	Experimental Ecologies: Designing Nature, Community, and Infrastructure in Post-3.11 Japan
GAVIRNENI Srinagesh	Peijun GUO	Yokohama National University	Industrial Symbiotic Systems: Theory and Applications
GOLOVKO Evgeny	Yukari NAGAYAMA	Hokkaido University	Mednyj Aleut, a unique Aleut-Russian mixed language: origin, structure, and theoretical implications
GUAN Zhibin	Takuzo AIDA	The University of Tokyo	Collaboration on new polymerization methods, self-healing materials and functional biomaterials
HUSSAINI Syed Raziullah	Kazuhiro CHIBA	Tokyo University of Agriculture and Technology	Chemical Modification of Biomolecules by Organic Electrochemistry
IEHISA OUCHI Julio Cesar Masaru	Shigeo TAKUMI	Kobe University	Functional study on quantitative trait loci for ABA responsiveness in wheat
IVANOV Konstantin L.	Kazunobu SATO	Osaka City University	Quantum control of molecular spins with high fidelity by using pulse microwave technology

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JIN Zhihe	Keiichiro TOHGO	National University Corporation Shizuoka University	Thermal Fracture of Interpenetrating Phase Composites: A Local Thermal Non-Equilibrium Theory
KERE Juha Kalervo	Piero CARNINCI	RIKEN	"Single cell transcriptome analysis to understand human physiology and diseases"
KHOUSSAINOV Bakhadyr	Kazushige TERUI	Kyoto University	Proof Theoretic Randomness and Coalgebraic Randomness
KIEFFER Timothy James	Kenji OSAFUNE	Kyoto University	Development of regenerative medicine for diabetes using iPS cell technology
KIM Yang	Shinya HAYAMI	Kumamoto University	Development of Graphene Oxide Hybrid Catalyst
KUMAR Shiva	Masataka NAKAZAWA	Tohoku University	Analysis and mitigation of fiber nonlinear impairments in coherent Nyquist pulse transmission
KWONG Chi Wai	Kunio YOSHIKAWA	Tokyo Institute of Technology	Odor control using low-cost adsorbents derived from hydrothermal carbonization of sewage sludge
LEE Sang Hyun	Hideyuki SAYA	KEIO UNIVERSITY	Dual inhibition of centrosome clustering and autophagy as a novel cancer selective therapy
LI Yan	Shigeo MARUYAMA	The University of Tokyo	Chirality-controlled growth of single-walled carbon nanotubes and application to solar cells
LIU Baoshun	Kazuya NAKATA	Tokyo University of Science	Study of charge thermodynamic of visible light responsive photocatalyst using cyclic voltammetry
MACHEBE Ndubuisi Samuel	Yoko KATO	Kinki University	Development of simple incubator-free culture system for in-vitro production of pig embryos

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MILNER Alexander Mckean	Koji TOJO	Shinshu University	Climate change and effects on the biota of alpine streams in Japan
MKOUNGA Pierre	Hiroshi NISHINO	Kumamoto University	Isolation and synthesis of biological active molecules from Cameroonian medicinal plants
MORFFE RODRIGUEZ Jans	Koichi HASEGAWA	Chubu University	Co-evolution and dispersal history of cockroach and parasitic nematode
MURPHY Jeremiah Gerard	Shiro BIWA	Kyoto University	Elastic wave propagation in elastomeric materials under large deformation
NGUYEN Nam	Morimichi KATO	Sophia University	Japanese Rinrigaku and the Beginning of Modern Vietnam's Ethic Revolution
OOKHNOI Batsaikhan	Makoto TACHIBANA	Shimonoseki City University	Collapse of Qing Empire and romantic dreams of a better tomorrow in early 20th century Mongolia
PADHY Simanchal	Takashi FURUMURA	The University of Tokyo	High resolution imaging of Philippine Sea Plate melting inferred from large-scale simulation
PARKER John Robert	Sadayoshi KOJIMA	Tokyo Institute of Technology	Geometry and topology of complex hyperbolic lattices
PATRA Ashis Kumar	Satoshi SHINODA	Osaka City University	Development of NIR Luminescent Metal Complexes for Biomedical Applications
PIHLAINEN Kalle Antero	Toru KASHIMA	Waseda University	Reconsidering presence and experience in history: Toward a new historical theory after postmodernism
POLKINGHORNE Martin	Hiroshi SUGIYAMA	National Institutes for Cultural Heritage, Nara National Research Institute for Cultural Properties	The Early modern intra-Asian copper trade: Archaeological evidence from Japan and Southeast Asia

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PRATAP Ramendra	Hideki YORIMITSU	Kyoto University	Catalytic modifications of nucleoside bases with aryl sulfides
QUADE Jay	Akihiro KANO	Kyushu University	Developing the Clumped Isotope Geothermometer for Geological Research in Japan
RAHMAN Sheikh Mustafizur	Carlos agosto STRUSSMANN	Tokyo University of Marine Science and Technology	Research on the development of fish embryo cryopreservation technology
RAPPSILBER Juri	Yasushi ISHIHAMA	Kyoto University	Proteomics beyond trypsin
RASERA Yann	Atsushi TARUYA	Kyoto University	Deciphering cosmological information from clustering statistics of galaxies and clusters
SCHORLEMMER Danijel	Naoshi HIRATA	The University of Tokyo	Dynamic Risk Quantification: Decision support for selecting and combining earthquake forecasts
SEDDIQUE Ashraf Ali	Teruyuki MARUOKA	University of Tsukuba	Geochemical studies of trace element contamination in coastal aquifers, Cox's Bazar, Bangladesh
SHAH Akm Azad	Koretaro TAKAHASHI	Hokkaido University	Synthesis of docosapentaenoic acid containing phospholipids through bioconversions
SHEDLOCK Andrew Michael	Masato NIKAIDO	Tokyo Institute of Technology	Genome wide analyses using next generation sequencer towards conservation of sea turtles
SKRJANC Igor	Seiichi OZAWA	Kobe University	Development of Fast Online Learning Algorithms for Big Data Streams
STOLIAR Pablo Alberto	Isao INOUE	National Institute of Advanced Industrial Science and Technology	Oxide-based neuron and synapse with firing of FET channel and plasticity of resistive memory

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TAN Kwek-Tze	Yutaka IWAHORI	Japan Aerospace Exploration Agency	Effects of Defects in Advanced Composite Materials for Aerospace Applications
TENG Hui Henry	Yuki KIMURA	Hokkaido University	Crystallization of tertiary system: new perspectives of magnesium effect on calcium carbonate growth
USMANOVA Diliara Mirkasymovna	Hisao KOMATSU	The Toyo Bunko	Editions of Tatar Emigrants in the Far East as a Cultural Phenomenon
VENKATARAMAN Sivasankar	Kiyoshi OMINE	NAGASAKI UNIVERSITY	High performance nanomaterials using organic wastes: Focus on energy and environmental application
VIUGIN Valerii Iurievich	Susumu NONAKA	SAITAMA UNIVERSITY	The USSR, before and after: Public Rhetoric and Aesthetic Practices in 20th and 21st-century Russia
WANG Lian-Ping	Ryo ONISHI	JAMSTEC	Interface-resolved simulations of dynamic interactions between inertial particles and turbulence
WANGDA Pema	Kenji FUKUDA	The University of Tokyo	Comparative study on Satoyama forests in Lucidophyllous forest zone in Bhutan and Japan
WHITMAN John Bradford	Teiji KOSUKEGAWA	University of TOYAMA	Internationalization of research on vernacular reading (kundoku)
WILKINS Thomas Stow	Yasuhiro MATSUDA	The University of Tokyo	Revitalizing Japan's international diplomacy: building strategic partnerships with ASEAN and the EU
WILLIAMS James Howard	Yuto KITAMURA	The University of Tokyo	Empirical Research on the Regionalization of Higher Education in Southeast Asia
WYSZKOWSKA Joanna Maria	Hitoshi AONUMA	Hokkaido University	Effect of electromagnetic field on the neuronal mechanism of insect aggressive behavior

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XIONG Xiao-Gen	Takeshi YANAI	National Institutes of Natural Sciences	Theoretical study of actinide and lanthanide complexes using advanced multireference calculations
XUE Lian	Hirohiko YAJIMA	National Institute of Radiological Sciences	The mechanism of ATR signaling under heavy ion beams
YANG Jikai	Hiroaki TERADA	Kyoto University	Theoretical lineage of "Bianfa(Changing-System)" at the end of the Qing Dynasty
ZHU Da-Ming	Jie TANG	National Institute for Materials Science	Study on Mechanism of the Reaction between Graphene Surface and Electrolyte