

## List of Fellows Selected through Open Recruitment in Japan

Humanities

The following list includes the names of the selected fellows, their host researchers and research themes under the 2nd recruitment of FY2019-2020 JSPS Postdoctoral Fellowship for Research in Japan (Standard). Under this recruitment, 1228 applications were received, among which 115 fellowships were awarded. Notification of the selection results will be made in writing to the head of the applying institution in the beginning of August, 2019. An award letter will be sent to the successful candidates in the middle of August, 2019. Unsuccessful candidates are not directly notified of their selection results. However, applicants (host researchers) can see their approximate ranking among all the applications through the JSPS Electronic Application System. Individual requests for selection results are not accepted.

Fellow			Nationality	Host Researcher	Host Institution	Research Theme
Family Name	First Name	Middle Name				
CABRAL BERNABE	Renata		BRAZIL	Orion KLAUTAU	Tohoku University	The Reconception of Religion in Early Modern Europe and the Japanese Christian Mission
FITTLER	Aron		HUNGARY	Yoshinari SHIBATA	Osaka University	Translation of Classical Waka Poetry and Comparative Study of Waka Poetry and Western Poetry
PARK	Byoungdo		KOREA (REP. OF KOREA)	Toshiaki KIMURA	Tohoku University	Death, Burial and Spiritual Commemoration in Disasters of Early Modern Japan
ZHANG	Jingyi		CHINA	Katsuo TAMAOKA	Nagoya University	Constructing the mechanism of Japanese and Chinese language processing with prosodic features
RANAGALAGE	Manjula	Mahinda	SRI LANKA	Takehiro MORIMOTO	University of Tsukuba	Urban expansion and its impact on the urban disaster in the rapidly urbanizing South Asian cities
SOLIMAN	Mohamed	Ahmed mohamed	EGYPT	Keiji YANO	Ritsumeikan University	Restoration of the Archaeological Alexandria for Sustainable Development - Via RM and GIS

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Social sciences

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Family Name	First Name	Middle Name				
WOLF	Alexandra	Janina	POLAND	Kazuo UEDA	Kyushu University	Investigating Visual Attention Deficits in Schizophrenia and Mood Disorder Patients
SIDDIKE	Md abul	Kalam	BANGLADESH	Kazuyoshi HIDAHA	Tokyo Institute of Technology	Towards an AI Based System for Improving Service Literacy
ATUHURRA	Julius	Favourite	UGANDA	Mikiko NISHIMURA	INTERNATIONAL CHRISTIAN UNIVERSITY	Can 'positive deviance' improve learning in developing countries?
SRINIVASAN	Sakthivel		INDIA	Masanori SAKAGUCHI	University of Tsukuba	Mechanisms of SRF in memory consolidation during REM sleep
KIM	Eunjung		KOREA (REP. OF KOREA)	Masaya INOUE	SEIKEI UNIVERSITY	Political process over Japan's economic cooperation with China and Korea in the second Cold War
TAO	Junfan		CHINA	Yoshihiko NISHIYAMA	Kyoto University	Statistical Monitoring of Economic and Financial Time Series

## List of Fellows Selected through Open Recruitment in Japan

Mathematical and physical sciences

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Fellow			Nationality	Host Researcher	Host Institution	Research Theme
Family Name	First Name	Middle Name				
GORJI	Mohammad ali		IRAN	Shinji MUKOHYAMA	Kyoto University	Probing Modified Gravity and Non-Abelian Gauge Fields by Gravitational Waves
ZHANG	Longjie		CHINA	Yoshikazu GIGA	The University of Tokyo	Behavior of mean curvature flow with driving force and its application
LI	Jizhou		CHINA	Akira SHUDO	Tokyo Metropolitan University	The study of purely quantum effects in chaotic systems based on semiclassical theory
GRESSE	Marceau	Guy bertin	FRANCE	Takao KOYAMA	The University of Tokyo	Detection of pre-eruptive mechanisms through a new multidisciplinary approach
WANG	Long		CHINA	Michiko FUJII	The University of Tokyo	Stellar dynamics as a bridge to connect star formation and gravitational waves
PAUL	Biplab		INDIA	Masanobu KANEKO	Kyushu University	Fourier coefficients and zeros of modular forms
PELLET	Victor	Mathieu	FRANCE	Dai YAMAZAKI	The University of Tokyo	Estimating groundwater flow using satellite observation, river model and hydrological coherency
FINSKI	Siarhei		BELARUS	Kenichi YOSHIKAWA	Kyoto University	Research on analytic torsion and geometric analysis
HARTER	Andrew	Kent	U.S.A.	Naomichi HATANO	The University of Tokyo	Floquet engineering control of topological non-Hermitian systems
VLADISAVLJEVIC	Tomislav		SERBIA	Roger WENDELL	Kyoto University	Flux Calculation and Measurement of the Atmospheric Neutrinos At Super-Kamiokande
LI	Shaoyang		CHINA	Junchi FUKUDA	The University of Tokyo	Study of the mechanical role of viscous mantle flow on interseismic deformation in southwest Japan

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Mathematical and physical sciences

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BUONINFANTE	Luca		ITALY	Masahide YAMAGUCHI	Tokyo Institute of Technology	The pursuit of a renormalizable and unitary gravity theory: theoretical and phenomenological aspects
WAHEED	Eiasha		PAKISTAN	Shohei NISHIDA	High Energy Accelerator Research Organization	Searches for Axion-Like-Particles and New Physics in semileptonic B decays from Belle II
ZHANG	Yu-ran		CHINA	Franco NORI	RIKEN	Entanglement Detection and Characterization of Topological States
GREVE	Annika		GERMANY	Yoshitaka HASHIMOTO	KOCHI UNIVERSITY	Deformation processes and strain distribution within forearc wedges in subduction zones
LIANG	Yuying		CHINA	Masaki FUJIMOTO	Japan Aerospace Exploration Agency	Space Architecture near Minor Bodies
GIBBONS	Andrew	Harold	IRELAND	Easan SIVANIAH	Kyoto University	Microfluidic flow in printed fracture channel

## List of Fellows Selected through Open Recruitment in Japan

Chemistry

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Fellow			Nationality	Host Researcher	Host Institution	Research Theme
Family Name	First Name	Middle Name				
REJ	Supriya		INDIA	Naoto CHATANI	Osaka University	Development of distal C-H bond functionalization and the strategy for late-stage functionalization
LAVENDOMME	Roy		BELGIUM	Shu KOBAYASHI	The University of Tokyo	Development of novel multinuclear metal complex and application to stereoselective reactions
SINGH	Gurbir		INDIA	Nobuo KIMIZUKA	Kyushu University	Aqueous photon upconversion system based on 2D molecular assembly on graphene nanosheets
FIORANI	Andrea		ITALY	Yasuaki EINAGA	KEIO UNIVERSITY	Development of novel electrochemiluminescence systems using boron-doped diamond electrodes
LI	Haobo		CHINA	Hiroshi KAGEYAMA	Kyoto University	Electric-field controlled ionic manipulation in mixed-anion compounds and reduced perovskite oxides
ZHANG	Sheng		CHINA	Yasujiro MURATA	Kyoto University	Creation of Expanded and Heteroatom-Embedded New Fullerenes
XIAO	Qi		CHINA	Kazunari DOMEN	Shinshu University	Developing Efficient Particulate Semiconductor Photocatalytic Systems for Solar Water Splitting
GHOSH	Saptarshi		INDIA	Naoki SUGIMOTO	KONAN UNIVERSITY	Quantitative analysis of rRNA folding triggered by specific molecular crowding in nucleolus
QIU	Youai		CHINA	Zhaomin HOU	RIKEN	Rare-Earth Metal-Catalyzed Transformation via Single Electron Transfer Strategy
KELLER	Sascha	Georg	GERMANY	Yasuteru URANO	The University of Tokyo	Library-based approach for the development of novel fluorogenic probes for colon and stomach cancer
HEO	Wooseok		KOREA (REP. OF KOREA)	Tahei TAHARA	RIKEN	Investigating the structural conversion mechanism of DNA strands by new single molecule spectroscopy

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DATTA	Sougata		INDIA	Shiki YAGAI	Chiba University	Creation and Application of Nanoscale Polycatenane
LOUIS	Marine		FRANCE	Tsuyoshi KAWAI	Nara Institute of Science and Technology	New chiral TADF compounds intensified with exciton-coupling and efficient circularly polarized OLEDs
KUMBHAR	Vijay	Shamrao	INDIA	Masaharu NAKAYAMA	Yamaguchi University	Design and Energy-Related Functions of Highly-Ordered Metal Chalcogenide Hybrids
JIA	Xiaofang		CHINA	Katsuhiko ARIGA	National Institute for Materials Science	Regulation of cell fate at liquid-liquid interface
CHA	Won-young		KOREA (REP. OF KOREA)	Shuhei SEKI	Kyoto University	Photophysics and conductivity of TTF-annulated porphyrinoids with excited-state aromaticity reversal
TROYANO	Javier	Prieto	SPAIN	Shuhei FURUKAWA	Kyoto University	Asymmetric metal-organic polyhedra towards multifunctional anisotropic porous soft materials

## List of Fellows Selected through Open Recruitment in Japan

Engineering sciences

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AMRILLAH	Tahta		INDONESIA	Tomoteru FUKUMURA	Tohoku University	Topological and magnetic state engineering in rare earth monoxide
ACHADU	Ojodomo	John	NIGERIA	Enoch y. PARK	National University Corporation Shizuoka University	Electrochemical-SERS-based novel detection of infectious virus using MoO <sub>3</sub> QDs-loaded nanogels
ALKALLA	Mohamed	Ibrahim garalalm rashed abdelal alsayed	EGYPT	Manabu FUJII	Tokyo Institute of Technology	Quantum dot and lanthanide photocatalyst as a novel technology for emerging micropollutant removal
XU	Kaida		CHINA	Qiang CHEN	Tohoku University	Research on Synthesized Decoupling Networks for Array Antennas
SOLTANI	Tayyebah	Kalat	IRAN	Hisao YOSHIDA	Kyoto University	Development of new dual cocatalyst deposited on titanate photocatalyst for carbon dioxide reduction
ALLAM	Srinivasa	Rao	INDIA	Takashige OMATSU	Chiba University	Versatile structured light sources based on nonlinear optics
GUO	Yangyu		CHINA	Masahiro NOMURA	The University of Tokyo	Quantum mechanical modeling of phonon transport at nanoscale
SUGALI	Pavan kumar naik		INDIA	Hiraku OGINO	National Institute of Advanced Industrial Science and Technology	Development of high field superconducting bulk magnet based on new iron-based superconductor
HO	Tungcheng		TAIWAN	Nobuhito MORI	Kyoto University	Development of Automated Fast and Accurate Tsunami Hazard Forecasting Algorithm
QI	Liangjie		CHINA	Masahiro KURATA	Kyoto University	Seismic assessment of low-rise irregular steel buildings considering nonstructural component
SONG	Kyung mee		KOREA (REP. OF KOREA)	Teruo ONO	Kyoto University	Demonstration of purely electrical manipulated skyrmion devices

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AL SAWAF	Mohamad basel		SYRIA	Kiyoshi KAWANISHI	Hiroshima University	High-frequency river discharge monitoring and characterization of stage-discharge hysteresis
RAKSHIT	Rupali		INDIA	Hidekazu TANAKA	Osaka University	Terahertz Laser Probed Trimeron Dynamics in the Ultrasmall Magnetite Nanostructure
XU	Fei		CHINA	Taichiro OKAZAKI	Hokkaido University	Development of Modular Steel Construction to Promote Reclaiming and Reusing Structural Steel
LEE	Heeyoung		KOREA (REP. OF KOREA)	Kentaro NAKAMURA	Tokyo Institute of Technology	Observation of Brillouin scattering in acrylic plastic optical fibers and its sensing applications
WANG	Chunya		CHINA	Takao SOMEYA	The University of Tokyo	Three-Dimensional Biodegradable Nanofibers for Multifunctional Cardiac Patch
VADIVELU	Raja	Kumar	MALAYSIA	Yasuyuki SAKAI	The University of Tokyo	Reconstituting higher-order kidney organoids
AHMED	Mohammad	Boshir	BANGLADESH	Fumitake TAKAHASHI	Tokyo Institute of Technology	Wastes conversion for recycles based on additional-value creations
LOGANATHAN	Mohan		INDIA	Moeto NAGAI	Toyohashi University of Technology	Photo-electroporation: Massively Parallel Versatile Delivery Using Titanium-dioxide Nanotubes
ZHAN	Yiyang		CHINA	Yasuhiro ISHIDA	RIKEN	Hydrogels Formed by 3D Polymer Networks with Ultimate Structural Regularity and Tunability
KARAHAN	Huseyin	Enis	TURKEY	Easan SIVANIAH	Kyoto University	High-Performance Gas Separation Membranes by Guided-Assembly of Graphene-based Nanocomposites
CANTON VITORIA	Ruben		SPAIN	Ryo KITaura	Nagoya University	Development and application of a healing method for atomic layers



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Family Name	First Name	Middle Name				
WANG	Xiaoge		CHINA	Tatsuya OKUBO	The University of Tokyo	Design, synthesis and structure determination of zeolites and related materials
AMEN	Tareq		PALESTINE LIBERATION ORGANIZATI ON	Hidenari YASUI	The University of Kitakyushu	Double-stage anaerobic digestion of municipal sludge and the effects of nano-particles addition
BHAT	Shantanu	Shrinath	INDIA	Hao LIU	Chiba University	Wind-gust rejection aerodynamics of bioinspired wings
TOZMAN KARANIKOLAS	Pelin		TURKEY	Kazuhiro HONO	National Institute for Materials Science	Exploring novel high-performance permanent magnets as an alternative to Nd-Fe-B magnets
ZHU	Benliang		CHINA	Shinji NISHIWAKI	Kyoto University	Topology optimization of compliant constant-force mechanisms
KUMAR	Sharvan		INDIA	Shuhei SEKI	Kyoto University	Long-Range Periodic Assembly of Stable pi-Radical Ions and Its Charge and Spin Transporting Property
CUI	Yi		CHINA	Yang JU	Nagoya University	Mechanism Clarification for Creation of Functional Nanostructures through Control of Stress Fields
SANCHEZ GONZALEZ	Eli		MEXICO	Shuhei FURUKAWA	Kyoto University	Porous soft materials with self-healing property

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HASAN	Md mehedi		BANGLADESH	Hiroyuki KURATA	Kyushu Institute of Technology	Structure-based Computer-Aided Drug Design with a Deep Neural Network Approach
WANG	Yuntao		CHINA	Tsuyoshi TAKAGI	The University of Tokyo	Cryptanalysis on High-performance Next Generation Cryptography using Large-scaled Experiments
RAMEGOWDA	Prakasha	Chigahalli	INDIA	Daisuke ISHIHARA	Kyushu Institute of Technology	Strongly coupled multiphysics and multisystem analysis method for the energy harvesting
VINCZE	David		HUNGARY	Mihoko NIITSUMA	Chuo University	Automatical knowledge extraction from ethological behaviour models for use in social robotics

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Biological sciences

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FLORES SANDOVAL	Eduardo		MEXICO	Takayuki KOHCHI	Kyoto University	Transcription factor antagonism mediated by auxin is essential for stem cell maintenance in plants
IBRAHIM	Mohammed auwal		NIGERIA	Kazuhiko YAMASAKI	National Institute of Advanced Industrial Science and Technology	Structural biology of Trypanosoma brucei GPI phospholipase C and development of selective inhibitors
FANG	Yang		CHINA	Ichiro FUJITA	Osaka University	Multi-scale functional architecture of the primate visual cortex underlying binocular stereopsis
CHEN	Junfeng		CHINA	Takashi YOSHIMURA	Nagoya University	Understanding molecular mechanisms that determine long-day and short-day breeders
CORDEIRO	Ingrid	Rosenburg	BRAZIL	Mikiko TANAKA	Tokyo Institute of Technology	Environmental Oxidative Stress contributes to the Morphological Evolution of the Limbs
PRABHU	Anika		AUSTRALIA	Jae woo SHIN	RIKEN	Functional elucidation of the long non-coding RNAs that regulate cholesterol metabolism in the brain
TANN	Jason	Yong you	SINGAPORE	Adrian MOORE	RIKEN	Liquid-liquid Phase Separation for Acentrosomal Microtubule Nucleation in Neurons
AKIL	Caner		TURKEY	Akihiro NARITA	Nagoya University	Investigating Eukaryotic-Like Protein Machineries from Asgard archaea

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Agriculture/Environmental sciences

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TIAN	Jinhu		CHINA	Yukiharu OGAWA	Chiba University	Formation and digestion mechanism of polyphenols-starch complexes prepared by extrusion technology
LEMUS	Roberto		CHILE	Noriyuki IGURA	Kyushu University	Improving pulses+algae protein-based emulsions functionality by swirl-flow membrane emulsification
AKHTER	Md.	Shamim	BANGLADESH	Kenji NAKAHARA	Hokkaido University	The mechanism of recognition and inactivation of viral virulent proteins by calmodulin-like proteins
KOWSAR	Rasoul		IRAN	Akio MIYAMOTO	Obihiro University of Agriculture and Veterinary Medicine	Immune cross-talk of early embryo with mother by IFNT system and Toll-like receptors in the cow
VELLAICHAMY	Balakumar		INDIA	Keiko SASAKI	Kyushu University	Clay supported metal-free photocatalysts for detoxification of pesticide and pharmaceutical hazards
ELAKHDAR	Ammar	Abdelazeim aboelyazed	EGYPT	Toshihiro KUMAMARU	Kyushu University	Isolation and functional analysis of factors involved in prolamines accumulation in rice endosperm
ATA-UL-KARIM	Syed tahir		PAKISTAN	Yoichiro KATO	The University of Tokyo	GREEN CROP MANAGEMENT: STRATEGIZING NITROGEN-WATER INTERACTIONS FOR CLIMATE-SMART RICE PRODUCTION
KHALIDUZZAMAN			BANGLADESH	Naoshi KONDO	Kyoto University	Noninvasive detection of chicken egg gender and viable embryos using eggshell terahertz properties
CHUNG	Ming-tsung		TAIWAN	Kotaro SHIRAI	The University of Tokyo	Development of new high-temporal-resolution isotopic proxy for fish migration and metabolism
ISLAM	Md.	Zaherul	BANGLADESH	Nobuhiro KOTODA	Saga University	Biosynthesis of citrus-derived polymethoxyflavones with an activity of the anti-memory disorder
CERVERA BENET	Hector		SPAIN	Nobuhiro SUZUKI	Okayama University	Exploration of antiviral RNA silencing/counter-defense utilizing a model phytopathogenic fungal host

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NJANE	Stephen	Njehia	KENYA	Takahisa NISHIZU	Gifu University	Effects of precision fish farming based on volume estimation on meat quality of freshwater fish
BHAGAT	Jacky		INDIA	Norihiro NISHIMURA	Mie University	How microplastics and nanoparticles interact: DNA damage and oxidative stress in zebrafish
CHING	Ping pui	Joseph	CHINA	Mizuo KAJINO	Meteorological Research Institute(MRI), Japan Meteorological Agency	New assessment of environmental impacts of black carbon and dust by a mixing-state diversity metric
MOSSAAD	Ehab	Elnour ahmed	SUDAN	Xuenan XUAN	Obihiro University of Agriculture and Veterinary Medicine	Epidemiological study on tick-borne diseases in Sudan and establishment of their control measures
ZHANG	Mengmei		CHINA	Masaki TAKAOKA	Kyoto University	Thermal treatment of polybrominated diphenyl ethers (PBDEs) and the formation of dioxins
LI	Kun		CHINA	Kentaro KATO	Tohoku University	Establishment of zoonoses regulation system targeting protozoan lactate dehydrogenase
MIRAN	Waheed		PAKISTAN	Akihiro OKAMOTO	National Institute for Materials Science	Control of biofilm activity by membrane vesicle with electrochemical activity

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RAY CHOUDHURY	Abhijnan		INDIA	Yoshiji TAKEMOTO	Kyoto University	Desymmetrization of meso-epoxides via organocatalytic deprotonation
LEE	Minjung		KOREA (REP. OF KOREA)	Takayuki AKIMOTO	Waseda University	Molecular mechanism of accelerated aging by deletion of microRNAs
VARGAS	Nicole	Theresa	U.S.A.	Naoto FUJII	University of Tsukuba	Determining mechanisms of attenuated sweat rate responses from local cooling during exercise
KWOFIE	Kofi	Dadzie	GHANA	Takeshi HATTA	Kitasato University	Sustainable development of vector control method through elucidation of digestive machinery in tick.
ZHOU	Zhiwen		CHINA	Yuji IKEGAYA	The University of Tokyo	Suppression of epileptic seizures by regulating astrocytic cAMP signaling
BANERJEE	Samya		INDIA	Shin AOKI	Tokyo University of Science	Development of photo-activated transfer hydrogenation catalysis for next generation cancer therapy
CHEN	Heping		CHINA	Ikuro ABE	The University of Tokyo	Biosynthetic Studies on Medicinal Meroterpenoids from Ganoderma
RAGAGNIN	Audrey	Marie genevieve	FRANCE	Motomasa TANAKA	RIKEN	Understanding dysregulated control of mRNA translation in ALS/FTD by multi-omics analyses
AL-SHAREEF	Hani	Mohammed abdullah	YEMEN	Hirokazu NAKAHARA	Osaka City University	Combination of viroimmunotherapy and SNP complexes blockades as a novel option in cancer treatment