

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 FY 2020-2021 JSPS Postdoctoral Fellowship for Research in Japan (Standard). Under this recruitment, 1218 applications were received, among which 115 fellowships were awarded. Notification of the selection results will be made in writing through the head of the applying institution in the end of August, 2020. An award letter will be sent to the successful candidates. 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				
MOHD.RAZIF	Nurul huda binti		MALAYSIA	Yoko HAYAMI	Kyoto University	The Familial and the Supernatural: Crafting Kinship through Sorcery in Contemporary Malaysia
SHUTTLEWORTH	Kyle	Michael James	IRELAND	Tetsuya KONO	Rikkyo University	Overcoming Anthropocentrism: Watsuji's Ethics and Climate Change
ZHANG	Shuya		CHINA	Shintaro ARAKAWA	Tokyo University of Foreign Studies	The linguistic representation of space and motion in rGyalrongic
RUIZ TAFOYA	Heriberto		MEXICO	Mario LOPEZ	Kyoto University	Corporate food-regimes, food-politics and wellbeing: Deskillling the urban poor in the Global South
YIN	Xiaoxing		CHINA	Masaki WAKAO	Hitotsubashi University	The Acceptance of the Village Codes and the Edification of Common People in East Asia
KHALILI	Mostafa		IRAN	Akihiko YAMAGUCHI	Sophia University	From Communal Solidarity to Transnational Nationalism: Deterritorialization of Kurdistan
GAZANGJIE			CHINA	Chizuko YOSHIMIZU	Toyo Bunko	Relationship between Japan and Tibet in the political situation of modern Asia

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Social sciences

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Fellow			Nationality	Host Researcher	Host Institution	Research Theme
Family Name	First Name	Middle Name				
KEENI	Minakshi		INDIA	Nina TAKASHINO	Tohoku University	The Breadwinner Paradox: Reduction of Gender based violence in Rohingya Refugee camps
UMER	Hamza		PAKISTAN	Takashi KUROSAKI	Hitotsubashi University	Are Islamic agricultural loans more effective than conventional loans? Evidence from Pakistan
GAO	Jie		CHINA	Ikuma ADACHI	Kyoto University	Body knowledge in chimpanzees and children: from comparative and developmental perspectives
NACHIKETHA SHARMA RAMAMURTHY			INDIA	Shinya YAMAMOTO	Kyoto University	Comparative cognitive studies on tool-use "culture" and its social transmission in Asian elephants
HUANG	Wan-chien		TAIWAN	Yuko YAMANA	Akita University	Cultural heritages of parents' languages and their educational support in mixed marriage families
ARIF	Abdullah-al		BANGLADESH	Makoto SETA	Yokohama City University	Regionalism and the Conservation and Management of High Seas Fish Stocks: Asia in Perspective

List of Fellows Selected through Open Recruitment in Japan

Mathematical and physical sciences

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Family Name	First Name	Middle Name				
FU	Suyu		CHINA	Kei HIROSE	The University of Tokyo	High Pressure and Temperature Melting Behavior of Bridgmanite in the Earth's Lower Mantle
FENG	Zili		CHINA	Satoru NAKATSUJI	The University of Tokyo	Experimental study of topological phases in strongly correlated systems
WELLER	Derek	James	U.S.A.	Akihiko TOMIYA	National Institute of Advanced Industrial Science and Technology	Experimental constraints on amphibole growth to elucidate pre-eruptive processes of hydrous magmas
WANG	Chao		CHINA	Katsuhiko SUZUKI	Japan Agency for Marine-earth Science and Technology	Tracing the Palaeoarchaeon deep mantle heterogeneity: Insights from the oldest ferropicrites
FINSKI	Siarhei		BELARUS	Kenichi YOSHIKAWA	Kyoto University	Research on analytic torsion and geometric analysis
HUANG	Xinchi		CHINA	Masahiro YAMAMOTO	The University of Tokyo	Inverse problems for time-fractional partial differential equations and related topics
KORUMILLI	Sravan kumar		INDIA	Masahide YAMAGUCHI	Tokyo Institute of Technology	Non-local theories and their cosmological implications
HICKMAN-LEWIS	Keyron		ITALY	Shawn MCGLYNN	Tokyo Institute of Technology	Correlative microspectroscopy of metamorphosed Archaea and ancient microfossils: Archean Biology
YAO	Yuan		CHINA	Akira FURUSAKI	RIKEN	Anomaly-based symmetry constraints on quantum gapped phases and gapless phases in many-body systems
MANSELL	Georgia	Leigh	AUSTRALIA	Masaki ANDO	The University of Tokyo	Commissioning of Gravitational-Wave Antenna KAGRA and Measurement of Gravity-Gradient Fluctuations
MAO	Yaping		CHINA	Kenta OZEKI	Yokohama National University	Strong Gallai-Ramsey theory in graphs and its application

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WINKLER	Daniela	Eileen	GERMANY	Mugino KUBO	The University of Tokyo	New frontiers in dental microwear texture analysis: towards reconstruction of dinosaur paleoecology
ELIZAGA NAVASCUES	Beatriz		SPAIN	Shinji TSUJIKAWA	Waseda University	Testing quantum gravity with cosmological perturbations
EOM	Junyong		KOREA (REP. OF KOREA)	Kazuhiro ISHIGE	The University of Tokyo	Asymptotic expansions of ODE type solutions and their related inverse problems

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Chemistry

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WANG	Yuan		CHINA	Masahiro MIYAUCHI	Tokyo Institute of Technology	Electrocatalytic Reduction of Carbon Dioxide by 3D Ordered Macroporous Copper-supported Catalysts
YI	Hong		CHINA	Cathleen CRUDDEN	Nagoya University	Application of NHC-modified Gold Nanoclusters in Photoredox Catalysis
SINGH	Baljeet		INDIA	Nobuhiro YANAI	Kyushu University	Hyperpolarization of guest molecules based on nanoporous materials and its applications
YAN	Junqing		CHINA	Jinhua YE	National Institute for Materials Science	Construction of single-atom doped metal oxides nanosheet for efficient solar-fuel production
CHATTERJEE	Kuntal		INDIA	Masaaki FUJII	Tokyo Institute of Technology	Laser spectroscopic study on interactions between tryptophan metabolites and biological metal ions
WONDERGEM	Caterina	Suzanna	NETHERLANDS	Mizuki TADA	Nagoya University	Unravelling structure-performance relationship in electrocatalysts by operando SHINERS-imaging XAFS
BERA	Manas	Kumar	INDIA	Masayoshi HIGUCHI	National Institute for Materials Science	Vis-NIR Dual Band Absorbing Organometallic Polymer for Energy Saving Electrochromic Smart Window
ZHENG	Wei		CHINA	Eiji YASHIMA	Nagoya University	Synthesis of Chiral Supramolecules Driven by Self-Assembly of Ladder Molecules and Their Application
XUE	Hairong		CHINA	Renzhi MA	National Institute for Materials Science	Fabrication of photo-assisted hybrid Li-O ₂ battery and its photoelectrochemical mechanism
FENG	Genfeng		CHINA	Makoto YAMASHITA	Nagoya University	Synthesis of oxygen-substituted Al anion bearing reaction space and its application
XU	Xingtao		CHINA	Yusuke YAMAUCHI	National Institute for Materials Science	Metal-organic frameworks and their derivatives for water desalination by capacitive deionization

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HE	Dan		CHINA	Daigo MIYAJIMA	RIKEN	Development of a rational design principle for polar organic single crystals
XUE	Ziqian		CHINA	Susumu KITAGAWA	Kyoto University	Exploration of Smart Flexible PCPs/MOFs with local dynamics for gas selectivity and conversion
LAI	Haiwang		CHINA	Makoto OUCHI	Kyoto University	Sequence-regulated degradable copolymers via chain-growth radical polymerization

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SETHUMATHAVAN	Vadivel		INDIA	Manabu FUJII	Tokyo Institute of Technology	Oxidative treatment of wastewater enabling simultaneous H ₂ generation using C ₃ N ₅ -type photocatalyst
KIM	Jaehun		KOREA (REP. OF KOREA)	Noriko SAITO	National Institute for Materials Science	Room Temperature ppb-level CO Gas Sensor Based on 2D Transition Metal Dichalcogenides (TMDs)
LI	Yanwen		CHINA	Yuji KOETAKA	Kyoto University	Seismic performance and design methodology of EDRCs under bidirectional earthquakes
WANG	Gang		CHINA	Kenichi SHIMIZU	Hokkaido University	Structurally tailored novel catalyst for mild and efficient CO ₂ hydrogenation to methanol
LENG	Ling		CHINA	Masaru konishi NOBU	National Institute of Advanced Industrial Science and Technology	Deciphering novel metabolism for biotechnology innovation through meta-omics and machine learning
PAWAR	Sachin	Apparao	INDIA	Takeaki SAKURAI	University of Tsukuba	EFFICIENT ENERGY CONVERSION AND STORAGE ELECTRODES BY DESIGNING INTEGRATED LAYERED TERNARY HYBRID
LI	Wei		CHINA	Shigeru UEDA	Tohoku University	Development of novel multifunctional composite oxide for carbon dioxide capture and sulfide removal
MORIM NASCIMENTO	Joao	Manuel	PORTUGAL	Nobuhito MORI	Kyoto University	Future global coastal risk assessment of extreme storm surge based on CMIP6 climate ensemble
WANG	Runzi		CHINA	Hideo MIURA	Tohoku University	Prediction of Residual Life of Heat-resistant Alloys under Random Load at Elevated Temperatures
XING	Jiangkuan		CHINA	Ryoichi KUROSE	Kyoto University	High-fidelity simulation and machine learning modeling of clean biomass combustion
JIANG	Cheng		CHINA	Kohei NAGAI	The University of Tokyo	Performance Evaluation of FRP Retrofitted Corroded RC Members using RBMSM Simulation

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GAI	Chao		CHINA	Keiichi TOMISHIGE	Tohoku University	Development of non-noble-metal catalysts using biomass-derived carbon for biohydrogen production
ZONG	Liang		CHINA	Taichiro OKAZAKI	Hokkaido University	Demountable and reusable modular steel construction
TAN	Zu puayen		MALAYSIA	Akira OYAMA	Japan Aerospace Exploration Agency	aero-structural interaction measurement technique using LF camera and Mars drone blade measurement
YIN	Xuefan		CHINA	Susumu NODA	Kyoto University	Study on unidirectional-emitting photonic-crystal lasers based on topological photonics
XU	Kaichen		CHINA	Kuniharu TAKEI	Osaka Prefecture University	Multifunctional Hybrid Flexible Sensor Systems for Internet of Things Applications
KIM	Jae joon		KOREA (REP. OF KOREA)	Tomoyuki YOKOTA	The University of Tokyo	Removal of Motion and Touch Noises Using Shielded Nanomesh Electronics
LI	Zhen		CHINA	Yuichiro KATO	RIKEN	Unique exciton properties and device applications of one-dimensional van der Waals heterostructures
HUA	Yu-chao		CHINA	Junichiro SHIOMI	The University of Tokyo	Study on Thermoelectric Properties of Metamaterials in Presence of Magnetic Field
MYASNIKOVA	Dina		RUSSIA FEDERATION	Shoji TAKEUCHI	The University of Tokyo	Fabrication of 3D in vitro model of diabetic neuropathy with real-time detection of ROS generation
LI	Weijin		CHINA	Takuzo AIDA	RIKEN	Mass Transport in Two-Dimensional Nanospace Formed by Polymeric Nanosheets
ZHANG	Xichao		CHINA	Xiaoxi LIU	Shinshu University	Memory, Logic Computing, and Neural Networks Based on Topological Spin Textures

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TU	Shengwen		CHINA	Kazuki SHIBANUMA	The University of Tokyo	Enhancing brittle crack arrest ability of ultra-thick steel structures by mechanism investigations
LOUIS	Fiona		FRANCE	Michiya MATSUSAKI	Osaka University	In vitro hair shaft growth system by opened blood vascularized skin-adipose tissues
JIANG	Miao		CHINA	Masaaki TANAKA	The University of Tokyo	Manipulation of spin-orbit torque in a spin-orbit ferromagnet single layer for future spin devices
WANG	Zhao		CHINA	Koichi MAEKAWA	Yokohama National University	Durability Mechanics of Structural Concrete under Broadband Temperature for Safety Assessment
ZHANG	Lin		CHINA	Jiwang YAN	KEIO UNIVERSITY	Atomic-scale interface control for large-area glass molding of micro/nanostructured optics
VAN GUYSE	Joachim	Franciscus roza	BELGIUM	Kazunori KATAOKA	Innovation Center of Nanomedicine, Kawasaki Institute of Industrial Promotion	Development of polymeric micellar nanocarrier for messenger RNA delivery
GUSELNIKOVA	Olga		RUSSIA FEDERATION	Yusuke YAMAUCHI	National Institute for Materials Science	Tailored design of mesoporous plasmonic films
GAO	Yuan		CHINA	Katsuhisa TANAKA	Kyoto University	Plasmonic arrays for upconversion enhancement toward efficient solar cells
GRANELLO	Gabriele		ITALY	Koichi KUSUNOKI	The University of Tokyo	Comprehensive monitoring system for improving the post-earthquake emergency response
RICHARDSON	Joseph	Jacob	U.S.A.	Hirota EJIMA	The University of Tokyo	Metal-phenolic networks and synthetic phenolic polymers for detecting and inactivating viruses
CHENG	Chih-hsien		TAIWAN	Shinji YAMASHITA	The University of Tokyo	Group-IV semiconductor based photonic waveguide devices for versatile pulsed data processing

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Engineering sciences

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Family Name	First Name	Middle Name				
BARMAN	Barun	Kumar	INDIA	Tadaaki NAGAO	National Institute for Materials Science	Light-emitting Device by Strongly-coupled Nanophotonic Cavity and Metal-free Carbon Nano-dots

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Family Name	First Name	Middle Name				
YAN	Jiaqi		CHINA	Hideaki ISHII	Tokyo Institute of Technology	Resilient Distributed Algorithms in Multi-Agent Systems
LIU	Hong		CHINA	Shin'ichi SATOH	Research Organization of Information and Systems	Provable, Explainable, Efficient, Robust Deep Neural Network for Large-scale Multimedia Retrieval
WOLFER	Geoffrey		FRANCE	Shun WATANABE	Tokyo University of Agriculture and Technology	New interactions between statistics and information theory for Markov chains

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Biological sciences

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Family Name	First Name	Middle Name				
QUITIAN	Marta		SPAIN	Adam CRONIN	Tokyo Metropolitan University	Impact of invasive species and disturbance on pollinator networks in Ogasawara
HO	Pei-chi		TAIWAN	Jotaro URABE	Tohoku University	Stoichiometric effects of leaf litters on grazing and detritus chains in lake ecosystems
FAN	Catherine	Yang	U.S.A.	Kazuhiro TABATA	The University of Tokyo	A systematic bottom-up approach to mini-genome design and optimization of minimal cell performance
RUTTER	Lindsay	Anne	U.S.A.	Masafumi MURATANI	University of Tsukuba	Cell-free DNA and RNA epigenome study to investigate space environment and ageing stress responses
GAN	Wan jun		MALAYSIA	Fumio MOTEGI	Hokkaido University	Unravelling Aurora-A-mediated symmetry breaking in <i>C. elegans</i> zygotes
TSUJI	Jackson	Makoto	CANADA	Manabu FUKUI	Hokkaido University	Ecophysiological characterization of novel Chloroflexi to probe the evolution of photosynthesis
KIM	Seon-hee		KOREA (REP. OF KOREA)	Koji TAKAYAMA	Kyoto University	A phylogenomic approach to reveal the explosive adaptive radiation of woody <i>Sonchus</i> in Canaries
SU	Matthew	Paul	UNITED KINGDOM	Azusa KAMIKOUCHI	Nagoya University	Exploring the link between clock system and acoustic communication in mosquitoes

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Agriculture/Environmental sciences

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YUAN	Junji		CHINA	Tomohiro KUWAE	National Institute of Maritime, Port and Aviation Technology	Control on Rate and Pathway of Anaerobic Methane Oxidation in Coastal Wetland Sediments
GEONZON	Lester	Canque	PHILIPPINES	Motoyoshi KOBAYASHI	University of Tsukuba	Dynamics of polyelectrolyte adsorption and colloidal flocculation studied using model colloids
KIM	Hangil		KOREA (REP. OF KOREA)	Chikara MASUTA	Hokkaido University	Study of cucumber mosaic virus 2b-mediated epigenetic regulation of host resistance
WANG	Wenlong		CHINA	Zheng-ming WANG	National Institute of Advanced Industrial Science and Technology	Wide-Bandgap Photocatalyst-Aided Deep UV Decomposition of Refractory Trace Organic Compound in Water
KUMAR	Vijay		INDIA	Taichi TAKASUKA	Hokkaido University	Consolidated bioconversion of cellulosic biomass to polyhydroxyalkanoates (PHAs) by one cell factory
HAMIM	Islam		BANGLADESH	Ken KOMATSU	Tokyo University of Agriculture and Technology	Molecular mechanisms underlying intra-host genome diversity and symptom expressions of plant viruses
JIMENEZ SERNA	Juan	De la cruz	COLOMBIA	Mikio NAKAZONO	Nagoya University	Understanding of genetic and physiological regulation of a radial oxygen loss barrier in rice roots
RIAZ RAJOKA	Muhammad shahid		PAKISTAN	Haruki KITAZAWA	Tohoku University	Anti-viral livestock healthy strategy by exopolysaccharide producing immunobiotic Lactobacilli
HUANG	Songqian		CHINA	Shuichi ASAKAWA	The University of Tokyo	Unravelling the function of the ubiquitously expressed PIWI-interacting RNAs (piRNAs) in mollusks
ELADAWY	Ahmed	Abdelraheem mohammed elsayed	EGYPT	Takashi NAKAMURA	Tokyo Institute of Technology	Integrated Modelling and Mapping for Assessing Coastal Ecosystem Vulnerability to Multiple Stressors
CHANG	Yunhua		CHINA	Michihiro MOCHIDA	Nagoya University	Chemical Structures of Organic Aerosol and Their Links with Sources and Light-Absorbing Properties

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APPIAH	Kwame	Sarpong	GHANA	Shin OKAZAKI	Tokyo University of Agriculture and Technology	The impact of soil microbial biotransformation on the phytotoxicity of allelochemicals
PAUL GUIN	Jhimli		INDIA	Hiroshi SAKUGAWA	Hiroshima University	Metal-free-visible-light photocatalytic membrane reactors for destruction of forever chemicals
KHATUN	Hafiza		BANGLADESH	Satoshi SUGIMURA	Tokyo University of Agriculture and Technology	Follicular microenvironment participated in acquisition of oocyte developmental competence
YANG	Yongshou		CHINA	Hisanori KATO	The University of Tokyo	The integrated omics studies on the effects of intestinal microbiota by resistant proteins
ARIEFTA	Nanang	Rudianto	INDONESIA	Yoshifumi NISHIKAWA	Obihiro University of Agriculture and Veterinary Medicine	Chemical Biology Approaches to Discover Anti-Toxoplasma Agent Utilizing Fungal Endophytes
SEN	Sandeep		INDIA	Yoshiaki TSUDA	University of Tsukuba	Past and future of wild and cultivated black pepper: conservation genomics under climate change
WAINAINA	Cornelius	Mbathi	KENYA	Yoshiaki INUKAI	Nagoya University	Breeding a rice line for cold stress escape that has ability to shift flowering by water management

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ZOU	Yixin		CHINA	Tasuku HONJO	Kyoto University	Mechanistic analysis of the PD-1 blockade combination cancer immunotherapy with BTK inhibitors.
SOLTYSIK	Kamil		POLAND	Noboru MIZUSHIMA	The University of Tokyo	Protein quality control in the nuclear membrane by autophagy
QIN	Xin		CHINA	Toshihisa KOMORI	NAGASAKI UNIVERSITY	Molecular mechanism of transdifferentiation of chondrocytes and origin of bone marrow osteoblasts
ZHANG	Tianli		CHINA	Tomohiro SAWA	Kumamoto University	Molecular mechanisms of glutathione transport-dependent regulation of NLRP3 inflammasome
AFIFY	Said	Mohamed abdelsabour	EGYPT	Masaharu SENO	Okayama University	Targeting PD-L1 signaling in cancer stem cells
LO	Peiwen		TAIWAN	Tetsuya OKAJIMA	Nagoya University	The Role of Extracellular O-GlcNAcylation on Notch1 in Locomotion Ability Losing with Aging
EMAM	Sherif	Emam abdallah	EGYPT	Tatsuhiko ISHIDA	Tokushima University	Coronavirus vaccine, a splenic MZ-B-targeted antigen (Ag) delivery by PEGylated Ag-exosomes.
QUISPE SALCEDO	Angela		PERU	Hayato OHSHIMA	Niigata University	Cross-talk among odontoblasts, dental pulp stem cells, and immune cells after exogenous injuries
WONG	Hao	Jing	SINGAPORE	Akihiro FUJIMOTO	The University of Tokyo	Human genetic studies for solving "missing heritability" problem
CHEN	Yu		CHINA	Rieko OHKI	National Cancer Center	Mechanisms of neuroendocrine tumorigenesis by functional loss of tumor suppressor gene PHLDA3
MIRANDA-SALMERON	Matilde	Margarita	U.S.A.	Emi NISHIMURA	Tokyo Medical and Dental University	Study of the mechanisms of hair follicle aging and hair loss