

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 1st recruitment of FY 2021-2022 JSPS Postdoctoral Fellowship for Research in Japan (Standard). Under this recruitment, 1035 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 December, 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				
KEE	Hayden	Sean alexander	CANADA	Shigeru TAGUCHI	Hokkaido University	The Gesture of Speech: An Embodied Philosophy of Language
YI	Danyun		CHINA	Hisanori KURAMOTO	Kyoto University	The Development of Buddhist Cosmology in China: the Practice of Buddhist Cosmological Imagery 5-13c.
WANG	Ruci		CHINA	Takehiro MORIMOTO	University of Tsukuba	Scenario simulation of urban volume under the SDGs in the Tokyo metropolitan area from 2020 to 2050
HUANG	Xiaolong		CHINA	Masaharu EBARA	The University of Tokyo	Religious Power and Social Change in Late Medieval Japan
HUANG	Chuyu		TAIWAN	Haruo KUBOZONO	National Institutes for the Humanities	Cross-Linguistic Empirical Studies on Prosodic Information and Morphological Complexity
RYU	Sungwook		KOREA (REP. OF KOREA)	Setsuo IMAZU	Nara University	Scientific study of colored pigments in ancient East Asia

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Social sciences

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IMAM	Hassan		PAKISTAN	Tomoki SEKIGUCHI	Kyoto University	Building psychologically healthy organizations through thriving at work
MITCHELL	Austin	Michael	U.S.A.	Masaaki HIGASHIJIMA	Tohoku University	Comparative Political Economy of Modern and Historical Autocracies: Meiji Japan and Beyond
PHAM	Thanh	Tien	VIET NAM	Katsuhiro SAITO	The University of Tokyo	Impact evaluation of migration on farm income, regional economy and poverty reduction.
ZHANG	Fan		CHINA	Yuichi HOSOYA	KEIO UNIVERSITY	The Changes of Japanese Realism as an International Political Thought: Focusing on the Late Cold War
CHIU	Yi-kai		TAIWAN	Setsuo TANIGUCHI	Osaka University	The Application of "Tax Agreement between Japan and Taiwan" by the Two Countries
ORTHEY	Robin		GERMANY	Izumi MATSUDA	Aoyama Gakuin University	Extracting Unknown Crime Information by Psychophysiological Responses
RAEVSKIY	Alexander		RUSSIA FEDERATION	Nobuyuki SAKAI	Tohoku University	Learning mimetic words deepens perception and detection of foods

List of Fellows Selected through Open Recruitment in Japan

Mathematical and physical sciences

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CAO	Yalong		CHINA	Yukinobu TODA	The University of Tokyo	Donaldson-Thomas theory for Calabi-Yau 4-folds
REGULA	Bartosz		POLAND	Mio MURAO	The University of Tokyo	The source of quantum advantages: a unified approach to quantum resources of states and processes
MOORE	John	Nicholas	U.S.A.	Go YUSA	Tohoku University	One-Dimensional Heat Transport Dynamics in the Quantum Hall Edge Channels
MCNEILL	Lucy	Olivia	AUSTRALIA	Naoki SETO	Kyoto University	Towards multi-messenger studies on the tidal heating of white dwarf binaries
CHEN	Hsiao-yi		TAIWAN	Ryotaro ARITA	RIKEN	Ab initio approach for Fermion pairing: superconductivity and exciton condensation
WEI	Han		CHINA	Tsutomu KOBAYASHI	Rikkyo University	Freezing extra dimensions with higher-order curvature terms and its cosmological consequences
NEMES	Gergo		HUNGARY	Akira SHUDO	Tokyo Metropolitan University	Resurgent theory in quantum mechanics and its applications
LIU	Jiachao		CHINA	Yoshio KONO	Ehime University	A Primordial Carbon Reservoir Hidden in the Mantle?
PATRA	Moumita		INDIA	Katsunori WAKABAYASHI	Kwansei Gakuin University	Theoretical studies on quantum transport and manipulation of nanoscale systems
KIM	Hyangpyo		KOREA (REP. OF KOREA)	Kazuo SHIOKAWA	Nagoya University	Study of electromagnetic wave and plasma interaction using new multi-satellites and ground stations
ELHASHASH	Mohamed	Hamdy abdullah	EGYPT	Tomoaki ISHIYAMA	Chiba University	Galaxy Formation and Evolution: Connection between Galaxies and Hosting Clusters

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MASUTI	Sagar	Shrishailappa	INDIA	Jun MUTO	Tohoku University	Transient rheology of upper mantle inferred by the postseismic deformation of 2011 Tohoku Earthquake
ZHOU	Siyi		CHINA	Toshifumi NOUMI	Kobe University	Cosmic inflation as a probe of high energy physics
ROY	Subhadeep		INDIA	Takahiro HATANO	Osaka University	Physical model for slow earthquakes: nonlinear dynamics of fluid in subduction zones
SCRIMSHAW	Travis	Cole	U.S.A.	Masato OKADO	Osaka City University	Supersymmetric rigged configurations and crystals of affine super quantum groups

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KUDUVA RADHAKRISHNAN	Vignesh		INDIA	Masahiko HADA	Tokyo Metropolitan University	A Computational Approach to Low-coordinate Single-Ion Magnets containing Lanthanides
KONIDENA	Rajendra	Kumar	INDIA	Takuma YASUDA	Kyushu University	Stable and Efficient Full-Color Multi-Resonance Thermally Activated Delayed Fluorescence Emitters
ROY	Bibhisan		INDIA	Nobuhiro YANAI	Kyushu University	Highly efficient photon upconversion at ultralow excitation intensity
ZHANG	Zhujun		CHINA	Masaaki KITANO	Tokyo Institute of Technology	Synthesis of mesoporous oxynitride-hydrides with tunable vacancies for ammonia synthesis
JACULBIA	Rafael	Buan	PHILIPPINES	Yousoo KIM	RIKEN	Tip enhanced Terahertz - Raman for investigating graphene-water interactions at the nanoscale
BALA	Indu		INDIA	Takashi KATO	The University of Tokyo	Development of Liquid-Crystalline Discotic Molecules for Sensing Application
BALARAMAN	Vedhanarayanan		INDIA	Shiki YAGAI	Chiba University	Creation of Mesoscale Rotaxanes through Self-Assembly
WANG	Chenhui		CHINA	Takayoshi SASAKI	National Institute for Materials Science	Nanocoating of Zn electrode surface with oxide nanosheets for high-performance rechargeable battery
GOSWAMI	Abir		INDIA	Takuzo AIDA	RIKEN	Non-equilibrium Supramolecular Reactors
CHEN	Kaihong		CHINA	Kazunari DOMEN	Shinshu University	Modification of photocatalysts with poly(ionic liquid)s for enhancing water splitting activity
PERRY	Gregory	James philip	UNITED KINGDOM	Hideki YORIMITSU	Kyoto University	Development of New Reactions by Sulfonamide Activation for Making Medicines

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Chemistry

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EVANS	Jack	Davis	AUSTRALIA	Shuhei FURUKAWA	Kyoto University	Multiscale computational investigation of mechano-responsive soft porous materials

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KUO	Po-chih		TAIWAN	Muhammad AZIZ	The University of Tokyo	Energy-efficient bioenergy-based Power-to-X-to-Power systems with CO2 utilization
VERMA	Priyanka		INDIA	Hiromi YAMASHITA	Osaka University	Single-atom alloy plasmonic catalysts for hydrogen production from hydrogen storage molecules
PAL	Animesh		BANGLADESH	Bidyut SAHA	Kyushu University	Hexagonal-boron nitride and ionic liquid doped hybrid adsorbent for heat transformation applications
PAL	Aniruddha		INDIA	Ayako OYANE	National Institute of Advanced Industrial Science and Technology	Biomimetic fabrication of cytokine-releasing scaffolds with organic/inorganic dual carrier system
CHEN	Xianzhe		CHINA	Satoru NAKATSUJI	The University of Tokyo	Experimental Study on Spin Valve Effects in Topological Antiferromagnets
ALI	Mohamed	Abouelalaa mohamed	EGYPT	Ramesh POKHAREL	Kyushu University	High Efficiency WPT System Using Hybrid Metasurface and Reactive Impedance Surface
MUHAMMAD	Muhammad	Salem said	EGYPT	Naoki TSURUSAKI	Kyushu University	Monitoring and Prediction of Land Use and Land Cover Change Using Remote Sensing and Deep Learning
KIM	Heungjoon		KOREA (REP. OF KOREA)	Takashi ASANO	Kyoto University	Advanced manipulation of photons using SiC photonic nanocavities
ANAND	Vijayakumar		INDIA	Osamu MATOBA	Kobe University	Super-resolution 5D fluorescence microscopy using chaotic vector waves
SUPIT	Steve	Wilben macquarie	INDONESIA	Tomoya NISHIWAKI	Tohoku University	Development of hybrid reinforcement system using nano- to macro-fibers in ultra-high strength mortar
RAHMAN	Md moshikur		BANGLADESH	Masahiro GOTO	Kyushu University	Development of Ionic Liquid based Liposome system and application in siRNA delivery for COVID-19

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PANIGRAHI	Debdatta		INDIA	Yutaka WAKAYAMA	National Institute for Materials Science	Optically driven organic multi-valued logic circuits
LI	Daotong		CHINA	Qiang CHEN	Tohoku University	Development of Highly Efficient Systems for Wireless Power Transfer
MA	Jun		CHINA	Naoyuki AMEMIYA	Kyoto University	Multi-physics quench phenomena of high current high temperature superconducting cables
ZHENG	Yongjia		CHINA	Shigeo MARUYAMA	The University of Tokyo	Creating a library of one-dimensional van der Waals heterostructures
TANG	Jinchen		CHINA	Naoki SHIKAZONO	The University of Tokyo	Research on nano heterogeneous wicking evaporation surface for ultra-high heat flux applications
WU	Ronghui		CHINA	Kuniharu TAKEI	Osaka Prefecture University	Nanofiber-based wearable exoskeleton-like multimodal suit
SUN	Kewei		CHINA	Shigeki KAWAI	National Institute for Materials Science	On-surface synthesis of structural nanographene by single molecular chemistry
DANG	Thanh	Duc	VIET NAM	Dai YAMAZAKI	The University of Tokyo	Evolving hydropower and delta dykes in the Mekong: environmental impacts and system re-operations
AARYASHREE			INDIA	Yasuo YOSHIMI	Shibaura Institute of Technology	A Microprocessor-based Disposable Sensor for Point-of-Care Therapeutic Drug Monitoring
CARDOSO DOS SANTOS	Josue		BRAZIL	Yasuhiro KAWAKATSU	Japan Aerospace Exploration Agency	Semi-analytical models for applications in space mission trajectories
YUAN	Dafei		CHINA	Takao MORI	National Institute for Materials Science	Modifying carrier transport to develop enhanced thermoelectric polymers hybrids and biodevices

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WU	Dongsheng		CHINA	Ninshu MA	Osaka University	Key technology for wires and powders assisted plasma arc additive manufacturing of gamma-TiAl alloys
MODAK	Rajkumar		INDIA	Kenichi UCHIDA	National Institute for Materials Science	Creation of spin-caloritronic Heusler alloys and their hybrid structures
JIANG	Rui		CHINA	Daisaku NISHINA	Hiroshima University	Development of Synthetic Evaluation System for City Landscape Planning by GIS & AI Technology
LIU	Daobin		CHINA	Yoshihisa HARADA	The University of Tokyo	Synchrotron Operando Spectroscopy for Electrochemical reduction of Single-Atom Alloy Catalysts
CHEN	Xu		CHINA	Kohju IKAGO	Tohoku University	Development of an inerter-based device for the seismic protection of cable stayed bridges
XIAO	Yao		CHINA	Nobuhiro TSUJI	Kyoto University	Clarification of superior strain hardening in CoCrNi medium-entropy alloy -from atom to bulk
GAO	Yuting		CHINA	Takashi KOSAKA	Nagoya Institute of Technology	Research on Hybrid Excitation Flux Switching Motors for Automotive Traction Drives
KHATUA	Dipak	Kumar	INDIA	Xiaobing REN	National Institute for Materials Science	Conducting ferroelectrics for high-performance mechanical energy harvesting
TRY	Sophal		CAMBODIA	Takahiro SAYAMA	Kyoto University	Integrated Forecasting System of Flood Inundation and Agricultural Damage in the Lower Mekong Basin
YE	Fei		CHINA	Tsutomu MIYASAKA	Toin University of Yokohama	High sensitivity perovskite-based X-ray detectors with single crystals of lead-free AgBi2I7

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Family Name	First Name	Middle Name				
LI	Xingxin		CHINA	Tsuyoshi TAKAGI	The University of Tokyo	Efficient Secure Multi-Party Computation Framework for Privacy-Preserving Machine Learning
SHAO	Chenglong		CHINA	Osamu MUTA	Kyushu University	Toward Ubiquitous Connectivity via Unlicensed LPWANS
VILARES CALVO	David		SPAIN	Taro WATANABE	Nara Institute of Science and Technology	Meaning Representation Parsing by Graph Structure Linearization
SELEEM	Ibrahim	Ali mohammed	EGYPT	Hiroyuki ISHII	Waseda University	Shared Autonomy-based Pose Planning, Control and Stability Analysis for continuum robots
PATIL	Kalpesh	Ravindra	INDIA	Masaaki IYAMA	Kyoto University	Deep learning based short timescale sea surface temperature forecasting

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Biological sciences

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Family Name	First Name	Middle Name				
LO	Megan		U.S.A.	Shigeo MURATA	The University of Tokyo	Elucidation of the mechanism of dynamics and pathophysiological roles of aberrant proteins
VALVERDE GARNICA	Guido	Marcelo	BOLIVIA	Hiroki OOTA	The University of Tokyo	Genetic diversity in pre-Columbian Andean populations from South America
VERGARA GARCIA	Pablo	Ismael	CHILE	Masanori SAKAGUCHI	University of Tsukuba	Mechanism of the adult-born neurons for memory consolidation in sleep
ALVES DOS SANTOS	Maria	Eduarda	BRAZIL	Filip HUSNIK	Okinawa Institute of Science and Technology Graduate University	The functional role of photosynthesis-related genes in non-photosynthetic symbionts of corals
ZHOU	Yijun		CHINA	Thomas MCHUGH	RIKEN	The role of memory of early-life dietary restriction in adult feeding behavior
LU	Yen-ting		TAIWAN	Keiji NAKAJIMA	Nara Institute of Science and Technology	Evolution of gene regulatory networks governing sexual differentiation in land plants
GU	Nan		CHINA	Yosuke TAMADA	Utsunomiya University	Molecular analysis and universality exploration of DNA damage-triggered reprogramming to stem cells
BROIX	Loic		FRANCE	Dan WANG	Kyoto University	m6A RNA modification in regulating cytoskeleton dynamics during axon development and synaptogenesis

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Agriculture/Environmental sciences

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YOON	Dong-kyung		KOREA (REP. OF KOREA)	Keiki ISHIYAMA	Tohoku University	Study on development and yield evaluation of Rubisco-overproduced rice with expanded edible parts
LI	Xinyue		CHINA	Mizuki TSUTA	National Agriculture and Food Research Organization	Monitoring the absolute vegetable freshness index: light-NMR spectroscopy fusion approach
KHANAM	Taslina		BANGLADESH	Kiyoshi KIKUCHI	The University of Tokyo	Elucidation of sex-determining mechanism in GIFT tilapia, a world leading aquaculture species
SUMON	Kizar ahmed		BANGLADESH	Yuji OSHIMA	Kyushu University	Unravelling role of microplastics as vector for COVID-19 associated pharmaceuticals products
JANG	Seonghan		KOREA (REP. OF KOREA)	Yoshitomo KIKUCHI	National Institute of Advanced Industrial Science and Technology	Molecular bases of symbiont-mediated gut morphogenesis in an insect: homeobox is the key
XU	Zhenxing		CHINA	Keishi SENOO	The University of Tokyo	Studies on nitrous oxide metabolism in paddy soils driven by iron-reducing bacteria
MOHANTA	Uday	Kumar	BANGLADESH	Xuenan XUAN	Obihiro University of Agriculture and Veterinary Medicine	Molecular survey on animal tick-borne diseases in Bangladesh and establishment of control strategy
SHAHI	Sabitree		NEPAL	Nobuhiro SUZUKI	Okayama University	Host range determinants of a virocontrol agent for the chestnut blight disease
KOLCSAR	Levente-peter		HUNGARY	Kozo WATANABE	Ehime University	Species diversity of Japanese snow crane flies under global warming: DNA taxonomy and habitat model
KAWEEWAN	Issara		THAILAND	Shinya KODANI	National University Corporation Shizuoka University	Heterologous production of new cyclic peptide biosynthesized by ATP-grasp enzyme
WANG	Peitong		CHINA	Jian feng MA	Okayama University	Identification of genes related to arsenic accumulation in rice

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SCHAEFER	Holger	Christian	GERMANY	Satoru TAKANASHI	National Research and Development Agency Forest Research and Management Organization	High-frequency measurement of the mycorrhizal hyphal production and decomposition process in forests
TEMME	Albert	Andries	NETHERLANDS	Yusuke ONODA	Kyoto University	Developing flax as model for plant product optimization
MAMUN	Md. abdulla al		BANGLADESH	Jun-ichi MARUYAMA	The University of Tokyo	Uncovering the regulatory mechanism of fungal cell-to-cell communication by a novel transglutaminase
YIN	Xiaojian		CHINA	Shinjiro YAMAGUCHI	Kyoto University	The role of DWARF14-LIKE in strigolactone biosynthesis and arbuscular mycorrhizal fungi symbiosis
BIN KABIR	Md. hazzaz		BANGLADESH	Kentaro KATO	Tohoku University	Development and characterization of novel drugs against cryptosporidiosis with outbreak of diarrhea
PACHECO FERNANDEZ	Maria idaira		SPAIN	Shuhei FURUKAWA	Kyoto University	Molecular selective microextraction based on porous materials for contaminants monitoring

List of Fellows Selected through Open Recruitment in Japan

Medicine dentistry and pharmacy

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SHAHMOHAMMADI BENI	Mehrdad		IRAN	Hiroshi WATABE	Tohoku University	Study of Off-Target Dose for Proton Boron Fusion Therapy (PBFT) in Pediatric Patients
MUJAGIC	Arnela		BOSNIA AND HERZEGOVINA	Yuji MATSUMARU	University of Tsukuba	Development of the neuroprotection therapy using redox nanoparticles against ischemic stroke
YOUNIS	Mahmoud	Abubakr ahmed	EGYPT	Hideyoshi HARASHIMA	Hokkaido University	Development of gene delivery systems for liver diseases treatment and cancer treatment
LEE	Shin-yu		TAIWAN	Yutaka KIKUCHI	Hiroshima University	Construction of musculoskeletal organoids for medical applications
LUO	Yuanjun		CHINA	Izumi SUGIHARA	Tokyo Medical and Dental University	Functional organization of the cerebro-ponto-cerebellar system in the cognitive behavioral control
BECKER	Hans	Jiro	GERMANY	Satoshi YAMAZAKI	University of Tsukuba	Establishing a human blood stem cell expansion platform for next-generation gene therapies
TSAI	Chia-jung		TAIWAN	Yu HAYASHI	University of Tsukuba	Dynamic regulation of cerebral blood flow during REM sleep: its mechanisms & functional significance
SEOL	Jaehoon		KOREA (REP. OF KOREA)	Tomohiro OKURA	University of Tsukuba	Effects of types of exercise intensity on cognitive function and sleep quality in the elderly
RAHAMAN	Md.	Shiblur	BANGLADESH	Sahoko ICHIHARA	Jichi Medical University	Development of risk assessment of vascular endothelial dysfunction caused by arsenic
LI	Bo		CHINA	Kiyoshi TAKEDA	Osaka University	to identify the role of OTUd3 in the maintenance of intestinal homeostasis
LIU	Xinyi		CHINA	Takayasu MIKUNI	Niigata University	Imaging functional synaptic plasticity during motor learning

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XU	Bin		CHINA	Tetsushi SADAKATA	Gunma University	Basic research for establishment of therapeutics for cerebral white matter infarct using iPS cells
LO	Pei-chi		TAIWAN	Kazuyo MORO	Osaka University	The insight of the synergy between novel innate lymphoid cells and sex hormone homeostasis in PCOS