

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 2022 JSPS Postdoctoral Fellowship for Research in Japan (Standard). Notification of the selection results will be made in writing through the head of the applying institution in the end of August, 2022. 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				
GAULENE	Mathieu		FRANCE	Sebastien BORET	Tohoku University	Radioactive decontamination in Fukushima and the fabric of a collective memory
YU	Xinxing		CHINA	Takashi OGAWA	Komazawa University	The Reception of Song-dynasty Chan Buddhism in Medieval Japan
DERDOURI	Ahmed		MOROCCO	Takehiro MORIMOTO	University of Tsukuba	Urban Nature-based Solutions: Scenario-based Spatial Assessment of Benefits and Equity Toward SDG 11
KIM	Hyungjin		KOREA (REP. OF KOREA)	Hiroyuki ARAKI	The University of Tokyo	The Political Culture Surrounding the Imperial Court in Late Tokugawa Japan
CELIK	Kenan	Thibault	FRANCE	Yosuke IGARASHI	National Institutes for the Humanities	Studies in Proto-Japonic word formation
CHICAS	Santos	Daniel	BELIZE	Takashi OGUCHI	The University of Tokyo	AI-Based Approach to Assess and Predict the Impacts of Climate Change and Landuse on Water Quality
TSAI	Sung lun		TAIWAN	Chiho OCHIAI	Kyoto University	Disaster prevention framework based on the socioeconomic conditions
MACFARLANE	Alexandra	Dally	UNITED KINGDOM	Hirotake MAEDA	Tokyo Metropolitan University	Eurasian Literary Traversals: Armeno-Georgian Cosmopolitanism in the Caucasus

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Social sciences

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HEWAWASAM	Vindya		SRI LANKA	Kenichi MATSUI	University of Tsukuba	Community Disaster Responses to Minimize Impacts on Informal Sector Businesses
ERRABO	Denis dyvee	Romero	PHILIPPINES	Tetsuo ISOZAKI	Hiroshima University	Developing an online STEM education system: Through a community of inquiry intervention
LOTTAZ	Pascal		SWITZERLAND	Isao MIYAOKA	KEIO UNIVERSITY	Neutrality in International Relations: The Impact of Third-Party Actors on the International System
KARAYAMPARAMBIL	Deepak	Johnson	INDIA	Takashi KUROSAKI	Hitotsubashi University	Price and Non-price Factors in Agricultural Development: A Comparative Study of India and Vietnam
WANG	Tao		CHINA	Shigeto SONODA	The University of Tokyo	Weddings, Funerals, and Errands: How Guanxi Shapes Political Representation
LIU	Jun sang		KOREA (REP. OF KOREA)	Mari KOKUBU	University of Tsukuba	"Japanese Teachers Colony" Recognition and "Class Practice" found in Educational Magazines
DEMIN	Konstantin	Andreevich	Russia	Hakwan LAU	RIKEN	Modulation of reward anticipation for depression treatment using decoded neurofeedback

List of Fellows Selected through Open Recruitment in Japan

Mathematical and physical sciences

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CHEN	Shih-yu		TAIWAN	Atsushi ICHINO	Kyoto University	Special values of automorphic L-functions
ROSLER	Boris	Alexander	GERMANY	Hitoshi KAWAKATSU	The University of Tokyo	Statistical and numerical study of non-double couple components of earthquake moment tensors
DAS	Bratati		INDIA	Kaori SUGIHARA	The University of Tokyo	BioMEMS based on mechanochromic polymer
GHOSH	Rupam		INDIA	Takaaki ITAI	The University of Tokyo	Survival of life in the hostile Archean World
CHEN	Chaojian		CHINA	Takao KOYAMA	The University of Tokyo	Imaging the mantle electrical conductivity of East Asia by four-dimensional multi-scale modeling
NILSSON	Nils	Albin	SWEDEN	Masahide YAMAGUCHI	Tokyo Institute of Technology	Spacetime Symmetries in the Early Universe
BHATTACHARYA	Krishnakanta		INDIA	Kazuharu BAMBA	Fukushima University	Finding theoretical consistency and observational constraints in modified theories of gravity
YOUCIS	Alexander	Frank	U.S.A.	Naoki IMAI	The University of Tokyo	Geometrization of the local Langlands correspondence and Scholze--Shin conjecture
XI	Qing		CHINA	Hajime TANAKA	The University of Tokyo	Dynamics and non-equilibrium transport in amorphous systems: from a soft-matter physics perspective
MOHANTY	Debasis		INDIA	Kazunori YOSHIZAWA	Hokkaido University	Evolution, Deformation and Dynamics of the Indo-Australian Plate: A New Seismological Approach
YAN	Jian		CHINA	Minoru YAMASHITA	The University of Tokyo	Quantum transport study of axion dynamics in magnetic topological systems

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OWEN	Ellis	Richard	UNITED KINGDOM	Yoshiyuki INOUE	Osaka University	Feedback interactions between galaxies in compact groups: photonic, leptonic and hadronic processes
ESCRIVA MANAS	Albert		SPAIN	Chulmoon YOO	Nagoya University	Numerical exploration of new frontiers on primordial black hole formation
KUMAR	Sandeep		INDIA	Yoshizumi MIYOSHI	Nagoya University	Study of energetic particles and waves in the Earth's inner magnetosphere
MARSDEN	Ruby	Connemara	UNITED KINGDOM	Noriko HASEBE	Kanazawa University	Development of geochronological techniques to assess the danger of Quaternary volcanic eruptions
LO	On hei solomon		CHINA	Kenta OZEKI	Yokohama National University	Problems for cycles in polyhedral graphs
ZHOU	Xuguang		CHINA	Yasuhiro MATSUDA	The University of Tokyo	Excitation of Majorana fermion by RF electromagnetic wave absorption in 100 T magnetic fields
XIA	Junjie		CHINA	Mark VAGINS	The University of Tokyo	New Machine-Learning-Based Event Reconstruction and Analysis for Water Cherenkov Experiments

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Chemistry

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ZHANG	Yue		CHINA	Hiroaki SUGA	The University of Tokyo	Effective macrocyclization of peptides assisted by the o-phthalaldehyde group and its application
SINGH	Manpreet		INDIA	Nobuhiro YANAI	Kyushu University	Creation of quantum sensing nanospace
SHAH	Syed	Shaheen	PAKISTAN	Munetaka OYAMA	Kyoto University	Nanomaterials-modified sulfur-doped porous carbon for electrochemical energy storage devices
BOYER	Alexie		FRANCE	Toshinori SUZUKI	Kyoto University	Femto and Attosecond Dynamics in Solution
GENOV	Georgi	Rosenov	BULGARIA	Makoto FUJITA	The University of Tokyo	Exploration of visible-light induced cyclization in a molecular flask
GU	Chen		CHINA	Kazunari DOMEN	Shinshu University	Water splitting system based on visible light responsive photocatalysts and carbon-based conductors
HARKS	Petrus	Paulus roelof martin	NETHERLANDS	Atsuo YAMADA	The University of Tokyo	Exploration of fluorine-free electrolytes with superior functions
ZHAO	Hao		CHINA	Akimitsu NARITA	Okinawa Institute of Science and Technology Graduate University	Synthesis of Water-Soluble Nanographene Fluorophores for Super-Resolution Imaging
JAYAKUMAR	Sanjeevi		INDIA	Yasuhiro OHKI	Kyoto University	Fuel Regeneration from CO ₂ by Grid-Aligned Biomimetic Catalysts on Functionalized Silica
KOSASANG	Soracha		THAILAND	Satoshi HORIKE	Kyoto University	Construction of MOF hetero-interfaces for ionic rectification
LOPEZ CABRELLER	Javier		SPAIN	Shuhei FURUKAWA	Kyoto University	Non-covalently assembled metal-organic polygons toward two-dimensional monolayer materials

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ALI	Manal	Abdel mohsen mostafa	EGYPT	Manabu FUJII	Tokyo Institute of Technology	Advanced anaerobic digestion for livestock waste treatment using multifunctional composite
DING	Yao		CHINA	Tomoya NISHIWAKI	Tohoku University	Development of sustainable strain-hardening geopolymer composites (SHGC)
ADEWUYI	Oludamilare	Bode	NIGERIA	Hirohisa AKI	University of Tsukuba	Developing AI-based model for flexibility needs' management under high renewable energy penetration
JIN	Huixin		CHINA	Ryuji TAMURA	Tokyo University of Science	Gradient quasicrystal membrane for synchronous hydrogen production and separation
XIA	Yu		CHINA	Nozomu HASHIMOTO	Hokkaido University	Development of high-fidelity simulation model for clean solid particle fuel/ammonia co-combustion
CHANG	Yih-ren		TAIWAN	Yuichiro KATO	RIKEN	Optical properties and applications of mixed-dimensional van der Waals heterostructures
LI	Gaoyang		CHINA	Takashi TOKUMASU	Tohoku University	Deep learning to reveal multi-scale particle transport phenomena in fuel cells
KHANDAKER	Shahjalal		BANGLADESH	Takahiro KUBA	Kyushu University	Remediation of radioactive cesium from Fukushima wastewater using innovative composite material
SHI	Nai		CHINA	Yoshihiro YAMAZAKI	Kyushu University	Propylene production and carbon dioxide utilization by proton-conducting solid oxide cells
ZHANG	Pin		CHINA	Kentaro YAJI	Osaka University	Multi-scale topology optimization enhanced by machine learning for porous structure design
HOSSEIN	Ibrahim	Gamal abdeladek	EGYPT	Yoshiaki YASUNO	University of Tsukuba	Label-free multi-functional microscope for cancer diagnosis and anti-cancer drug investigations

List of Fellows Selected through Open Recruitment in Japan

Engineering sciences

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Family Name	First Name	Middle Name				
PAL	Sourabh		INDIA	Yutaka WAKAYAMA	National Institute for Materials Science	Optically controllable neuromorphic device based on two-dimensional hetero-interface
WANG	Junhua		CHINA	Gaochuang CAI	Kumamoto University	Shear performance and evaluation for resilient RC members with low bond ultra-high-strength bars
LIU	Qiunan		CHINA	Kazutomo SUENAGA	Osaka University	Revealing intercalation chemistry in 2D materials-based battery system via advanced (S)TEM
FATHNAN	Ashif	Aminulloh	INDONESIA	Hiroki WAKATSUCHI	Nagoya Institute of Technology	Smart radio environments: artificial electromagnetic materials for passive spatiotemporal control
ZHANG	Yanming		CHINA	Naohiko SUGITA	The University of Tokyo	Development of ultra high efficient, precise micro machining technology of ceramic materials
YORESTA	Fengky	Satria	INDONESIA	Yukihiro MATSUMOTO	Toyohashi University of Technology	Strengthening technique with novel eco-friendly and durable glulam beam and column by embedding CFRP
FANG	Weili		CHINA	Nobuyoshi YABUKI	Osaka University	Digital Twin to Manage Safety in Large-scale Transport Infrastructure Construction
CALAVALLE	Francesco		ITALY	Masashi SHIRAIISHI	Kyoto University	Investigation of underlying physics and applications of chiral-induced spin selectivity phenomena
WANG	Meng		CHINA	Yuji KOETAKA	Kyoto University	Seismic performance of tall building with passive negative stiffness damped outrigger
MALLA	Bikash		NEPAL	Eiji HARAMOTO	University of Yamanashi	Development of high-throughput SARS-CoV-2 qPCR and amplicon sequencing to track COVID-19 pandemic
LI	Sijie		CHINA	Mitsutake OSHIKIRI	National Institute for Materials Science	Si-based photoelectrochemical carbon dioxide reduction for value-added chemicals

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NGUYEN	Hieu	Duy	VIET NAM	Naoyuki KAWAMOTO	National Institute for Materials Science	Evaluation of nanoscale heat transport for advanced materials by using pulsed electron beam
SHINDE	Pragati	Ankush	INDIA	Katsuhiko ARIGA	National Institute for Materials Science	Thermally chargeable supercapacitors: self-powered welfare energy storage devices
LIU	Ming		CHINA	Yosuke HASEGAWA	The University of Tokyo	Topology Optimization of Solar Receiver for Conversion of Carbon Dioxide into Fuel
LYU	Zewei		CHINA	Naoki SHIKAZONO	The University of Tokyo	Quantitative evaluation and rapid prediction of durability mechanisms of solid oxide fuel cells
SHEN	Shaodong		CHINA	Masahiro KURATA	Kyoto University	Rapid Structural Soundness Evaluation for Damaged Steel Frames using Coupling Coefficient Method
SPRING	Peter	Anthony	UNITED KINGDOM	Yasunobu NAKAMURA	RIKEN	Implementing Strategies for Minimizing Errors in Superconducting Circuits for Quantum Computation
MUBAROK	Wildan		INDONESIA	Shinji SAKAI	Osaka University	Functional Tissue Fabrication on Surfaces with Complex Stiffness Gradient Developed by 3D Printing
KUMAR	Chandan		INDIA	Masakazu NAKAMURA	Nara Institute of Science and Technology	Flexible photo detectors fabricated by polymer multilayers using floating-film transfer method

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PRAYOGO	Genki	Imam	INDONESIA	Shu YIN	Tohoku University	Crystal structure search using quantum annealing
SELEZNOV	Ivan		UKRAINE	Ken KIYONO	Osaka University	Long-term monitoring and assessment of women-specific health conditions using smart clothing
BLUMBERGS	Bernhards		LATVIA	Yuuki KADOBAYASHI	Nara Institute of Science and Technology	Towards information space-based early warning system for enhancing cyber-incident response process
HUANG	Yifei		CHINA	Yoichi SATO	The University of Tokyo	Learning and forecasting human behaviors from multi-modal first-person demonstrations

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Biological sciences

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Family Name	First Name	Middle Name				
MEI	Ran		CHINA	Masaru konishi NOBU	National Institute of Advanced Industrial Science and Technology	Archaea gene cataloguing-based reconstruction of evolution from simple to complex cells
LIAO	Jhih-rong		TAIWAN	Katsuyuki EGUCHI	Tokyo Metropolitan University	Integrative species delimitation in spider mites by phylogenomics, morphometrics and niche modeling
CARLSON	Nora		U.S.A.	Akira MORI	Kyoto University	Talking about predators: how local species variation changes bird communication
ZHUANG	Bo		CHINA	Hiroshi ISHIKITA	The University of Tokyo	Molecular Basis of Photoconversion and Spectral Tuning in Cyanobacteriochrome
THIERY	Ghislain		FRANCE	Masanaru TAKAI	Kyoto University	Dental adaptations to folivory in Neogene monkeys of Eurasia
ANDRIANI	Rizki	Tsari	INDONESIA	Yasushi OKAMURA	Osaka University	Application of photoactivatable amino acid in elucidating lipid modulation of GABA/Glycine receptors
AMYOT	Romain	Felix emile	FRANCE	Noriyuki KODERA	Kanazawa University	Understanding of cholesterol transporter mechanisms via HS-AFM and computational modeling
DILINA	Tuerde		CHINA	Michisuke YUZAKI	KEIO UNIVERSITY	Mechanisms underlying dopaminergic neurotransmission focusing on non-synaptic cell adhesion

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Agriculture/Environmental sciences

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SARKAR	Omprakash		INDIA	Young-cheol CHANG	Muroran Institute of Technology	Development of an Innovative Biocatalyst to Convert Waste into Biochemicals and Renewable Fuels
HTWE	Aung	Zaw	MYANMAR	Hirohito TSURUMARU	Kagoshima University	Diversity and Synergy of Rhizobia and Endophyte Isolated from Different Ecosystems of Myanmar
ELGAABARI	Alaa	Magdi hassanein	EGYPT	Ryuichi TATSUMI	Kyushu University	Identification of denitrase gene to prevent nitration of myogenic stem cell activator and sarcopenia
KHANDELWAL	Nitin	Kumar	INDIA	Yoshio TAKAHASHI	The University of Tokyo	Mobility of radionuclides and their sequestration by nano particles under high soil-CO2 condition
KUMARI	Arpna		INDIA	Toru FUJIWARA	The University of Tokyo	Role of ribosomal proteins in nutritional regulation of translation
KADER	Mohammad	Abdul	BANGLADESH	Kimihito NAKAMURA	Kyoto University	Effect of mulching on soil water and heat flow regimes from in situ stable isotopic analysis
FARGHALI	Mohamed	Ramadan fahmy	EGYPT	Ikko IHARA	Kobe University	Anaerobic removal of antibiotic resistant genes from animal manure using biochar electron transfer
ITAM	Michael	Okoi	NIGERIA	Kentaro YOSHIDA	Kyoto University	Improving combined heat and drought tolerance in durum wheat by utilizing the wild species alleles
MOHAMMADU AB	Muhammed ihshan		SRI LANKA	Akio MIYAMOTO	Obihiro University of Agriculture and Veterinary Medicine	Activation of sperm/uterine innate immune receptor TLR2 for high fertility after cow embryo transfer
ABBASI	Sajjad		IRAN	Daizhou ZHANG	Prefectural University of Kumamoto	Quantification of atmospheric transport of microplastics with dust in Asian continental outflow
SPREITZENBARTH	Stefan		GERMANY	Shigeki DAN	Tokyo University of Marine Science and Technology	Development of artificial propagation technology for octopus species

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TANG	Shuirong		CHINA	Weiguo CHENG	Yamagata University	Responses of soil organic matter to global warming in rice paddy by field observation and modelling
KIMANI	Samuel	Munyaka	KENYA	Takeshi TOKIDA	National Agriculture and Food Research Organization	Exploring the mechanistic insights into the effects of Azolla on methane emissions in rice paddies
BIKKINA	Poonam		INDIA	Koji HAMASAKI	The University of Tokyo	Lipids and microbes at the air-sea interface during dust events in the western North Pacific
ROSSET	Sabrina	Laura	SWITZERLAND	Saki HARI	University of the Ryukyus	Deciphering the chemical language of coral reef dinoflagellates
GUSWANTO			INDONESIA	Naoaki YOKOYAMA	Obihiro University of Agriculture and Veterinary Medicine	Exploring marine bioactive compounds for the drug treatment of animal and human babesiosis
DUTTA	Basudeb		INDIA	Susumu KITAGAWA	Kyoto University	The development of smart porous materials capturing and converting environmental CO ₂
RAHMAN	Md. habibur		BANGLADESH	Yohei MITANI	Kyoto University	Sustainable forest co-management for poverty and conflict alleviation in refugee-host communities

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Medicine dentistry and pharmacy

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GAO	Yaojie		CHINA	Ikuro ABE	The University of Tokyo	Search for novel biosynthetic machineries of medicinal natural products and their functions
KOK	Sau yee		MALAYSIA	Masanobu OSHIMA	Kanazawa University	Study on fibrotic niche generation for promotion of gastrointestinal cancer metastasis
PATHIRATHNA	Malshani	Lakshika	SRI LANKA	Megumi HARUNA	The University of Tokyo	The impact of maternal lifestyle and psychosocial factors on neonatal birth weight in Sri Lanka
LIU	Meng-xian		CHINA	Shin MIZUKAMI	Tohoku University	Multicolor cell imaging analysis of lipid droplet subgroups using functional carbon dots
SHETA	Mona	Anas	EGYPT	Takanori EGUCHI	Okayama University	Understanding MMP3-rich exosomes on neoplastic cell communication in tumor microenvironment
RAMADHIANI	Risa		INDONESIA	Noriaki EMOTO	Kobe Pharmaceutical University	Development of a novel medication targeting AT1R-coupled beta-arrestin for pulmonary fibrosis.
SHI	Tianshu		CHINA	Hiroshi TAKAYANAGI	The University of Tokyo	Elucidation of the bone-immune-brain crosstalk linking osteoporosis and cognitive impairment
CHONG	Yee kien		MALAYSIA	Osamu TAKEUCHI	Kyoto University	Analysis of posttranscriptional mechanisms in regulating anti-tumor T cell responses
BHINGARADIYA	Nutanben	Himmatlal	INDIA	Takuya MATSUMOTO	Okayama University	Aging-related lipidation progress in bone tissues: in vivo analysis and in vitro reproduction
SAIFULLAH			BANGLADESH	Yoshitsugu AOKI	National Center of Neurology and Psychiatry	Full-length dystrophin restoration by in vivo RNA editing via a minidCas13X.1 conjugated ADAR
SULTAN	Cheryl	Sophia	PAKISTAN	Katsumori SEGAWA	Tokyo Medical and Dental University	Study on phospholipid scramblases working in cancer tissues and their physiological significances