

List of Fellows (FY2025 Invitational Fellowships for Research in Japan (First Recruitment of Short-term))

Humanities

The following list includes the names of the selected fellows, their host researchers and research themes under the 1st recruitment of FY2025 JSPS Invitational Fellowships for Research in Japan (Short-term). Under this recruitment, 361 applicants were received, among which 85 fellowships were awarded.

Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
SALICE Alessandro	ITALY	Genki UEMURA	Okayama University	Gilbert Ryle on a Margin of the Phenomenological Movement
SALIS Fiora	ITALY	Kengo MIYAZONO	Hokkaido University	An Interdisciplinary Study of Imagination and Memory
PEREZ GUERRA Javier	SPAIN	Fujio NAKAMURA	Kansai Gaidai University	Variations in Syntax and Morphology: Confirmation from Modern and Contemporary English Corpora
ARGIT Fatma Betul	TURKEY	Jun AKIBA	The University of Tokyo	Social and Professional Profiles of Members of the Ottoman Imperial Court: A Prosopographic Study
CORONA ENCINAS Alex	SPAIN	Takashi HASEGAWA	KEIO UNIVERSITY	Relationship between Roman law and commerce under the Later Roman Empire
GIL Kook-Hee	KOREA (REP. OF KOREA)	Makiko HIRAKAWA	Chuo University	Investigation of Korean & Japanese reflexives, L2 acquisition and teaching in multilingual settings

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Social sciences

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GINIGER Nuria Ines	ARGENTINA	Isamu OKADA	Nagoya University	Lithium Supply Chain and Labor and Social Issues in the Energy Transition Era
PASSARELLI Gianluca	ITALY	Takeshi ITO	The University of Tokyo	Mainstreaming 'Uncommon democracies': Comparative Study of Party Personalization in Italy and Japan
JOGULU Uma Devi	AUSTRALIA	Masahiro HOSODA	Rikkyo University	Effectiveness of using a Diversity and Inclusion Capability Maturity Model
MANNAN Syed Abdul Hasheem	IRELAND	Yuko CHIBA	Aoyama Gakuin University	Disability rights in action: a comparison of the first government reports of Japan and Ireland
DEARDROFF Darla Kay	U.S.A.	Kazuko SUEMATSU	Tohoku University	Development and Quality Assurance of a Comprehensive Intercultural Collaborative Learning Model
KITA Sotaro	JAPAN	Hiromichi HAGIHARA	Osaka University	How nonverbal behaviours in parent-infant interactions relate to the infants' language development
MARTIN HERNANDEZ Juan Carlos	SPAIN	Katsuya HIHARA	Tokyo Metropolitan University	Japan-Spain Joint Research of Sustainable Tourism Market in the Post-Pandemic Era
THOMASSEN Lasse Arnt	DENMARK	Nobutaka OTOBE	Osaka University	Japanese Political Theory in the Global Context
SERT Olcay	SWEDEN	Mika ISHINO	Doshisha University	Building Communication Models for English learners to actively participate in Academic Discussions
MIN Insik	KOREA (REP. OF KOREA)	Seonkyung CHOI	Hiroshima University	VET and Non-Cognitive Skills in Southeast Asian Labor Markets: A Japan-Korea Comparative Perspective
HALLIDAY Timothy	U.S.A.	Yoko IBUKA	KEIO UNIVERSITY	The Relationship Between Child Health and Parental Labor Supply: A Gender Perspective
SEECK Hannele	FINLAND	Emily OHMAN	Waseda University	Beyond the Screen: A Comparative Study of Climate Change Depictions in East Asian TV drama

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Mathematical and physical sciences

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BASU Shantanu	U.S.A.	Masahiro MACHIDA	Kyushu University	Clarifying Planet Formation Process in Circumstellar Disks during Mass Accretion Phase
PAJITNOV Andrei	FRANCE	Hisaaki ENDO	Institute of Science Tokyo (formerly Tokyo Tech)	Topology of knots and fibrations
KARMAKAR Smarajit	INDIA	Kunimasa MIYAZAKI	Nagoya University	Dynamical and Mechanical Properties of Chiral Active Glasses
HAIRER Martin	UNITED KINGDOM	Yuu HARIYA	Tohoku University	Advanced Topics in Stochastic Analysis: Research Discussions with Professor Martin Hairer
LI Chun-Biu	CHINA	Shoichi TOYABE	Tohoku University	Information thermodynamics of biomolecular motor - measuring intramolecular information flow -
ARTEMYEV Anton	RUSSIA FEDERATION	Yuto KATOH	Tohoku University	Cross-model comparison of radiation belt dynamics considering nonlinear wave-particle interactions
CARACAUSI Antonio	ITALY	Naoto TAKAHATA	The University of Tokyo	Volatiles trapped volcanic minerals: new elements for understanding the Earth mantle heterogeneity
RAPP Ludovic	FRANCE	Norimasa OZAKI	Osaka University	Synthesis of super-high density hydrogen by laser-induced microexplosion

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Chemistry

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ESPINOSA FERAO Arturo	SPAIN	Takahiro SASAMORI	University of Tsukuba	Evaluation of Aromaticity and Antiaromaticity in Main-Group-Element Pi-Cyclic Systems
FRIANT Sylvie	FRANCE	Takeaki OZAWA	The University of Tokyo	Quantitative and super-resolution analysis of protein interactions and its application to yeast cell
MONDAL John	INDIA	Susumu KITAGAWA	Kyoto University	Design of Heterometallic Porous-Organic-Polymer for Selective CO ₂ Photoreduction to Fuel
NGAI Ming-Yu	U.S.A.	Motomu KANAI	The University of Tokyo	Catalyst development enabling late-stage editing of drug lead molecules
NEUMARK Daniel	U.S.A.	Shun-ichi ISHIUCHI	Institute of Science Tokyo (formerly Tokyo Tech)	Observation of shared proton forms in peptides
FREITAG Marina	GERMANY	Kazuteru NONOMURA	The University of Tokyo	Atomic Design for Solar Capture: Coordination Polymers in Photovoltaic Applications
DE COLA Luisa	ITALY	Miki HASEGAWA	Aoyama Gakuin University	Photochemistry of Rare Earth Complexes for Cell Membrane Introduction and Metabolic Evaluation
NUNZI Dominique Jean Michel	FRANCE	Tetsuya TAIMA	Kanazawa University	Development of low-cost and environmentally friendly perovskite solar cell modules
KE Chenfeng	CHINA	Tomoki OGOSHI	Kyoto University	Supramolecular and polymeric materials that exhibit macroscopic changes based on molecular machines
DOONAN Christian	AUSTRALIA	Shuhei FURUKAWA	Kyoto University	Exploring catalytic activity of porous liquids based on coordination materials

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Engineering sciences(page 1 of 2)

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CIAPPINA Marcelo Fabian	ITALY	Kenichi ISHIKAWA	The University of Tokyo	Ab initio calculation of the interaction between ultrashort intense structured light and matter
LEE Chin-Long	MALAYSIA	Kohju IKAGO	Tohoku University	Improvement of structural damping model considering physical properties of constituent materials
MA Zhenjun	CHINA	Shohei MIYATA	The University of Tokyo	Accelerating demand flexibility for increased building performance and decarbonization
TORNOS Fernando Arroyo	SPAIN	Tatsuo NOZAKI	Japan Agency for Marine-earth Science and Technology	Past and modern subseafloor replacive hydrothermal systems: Geochemical and mineralogical evolution
WANG Bin	CHINA	Susumu KONO	Institute of Science Tokyo (formerly Tokyo Tech)	Development of low-damage RC structural wall systems using a hybrid damping mechanism
YANG Shang-Da	TAIWAN	Kuniaki KONISHI	The University of Tokyo	Laser processing of dielectric materials using sub-10 fs ultrashort pulsed laser
BUCHER Jean-Pierre	SWITZERLAND	Jun ONOE	Nagoya University	STM study of the spin states of C60 included in 2D arranged macrocyclic molecular host field
RUBINSTEIN Justin Lee	U.S.A.	Yusuke MUKUHIRA	Tohoku University	Evaluation of risk from induced seismicity at geothermal development in Japan
KIM Yoong Ahm	KOREA (REP. OF KOREA)	Hiroyuki MURAMATSU	Shinshu University	Development of multi-functional Si/DWCNT anode for high-performance lithium-ion secondary battery
SHAIKH Faiz Uddin Ahmed	AUSTRALIA	Tomoya NISHIWAKI	Tohoku University	Development of Low-Carbon Concrete 3D Printing Materials Using Municipal Incineration Bottom Ash
STROH Alexander	GERMANY	Yosuke HASEGAWA	The University of Tokyo	Prediction of hemodynamics in mitral regurgitation by physics-informed neural network
WANG Feng	CHINA	Kenichi SHIMIZU	Hokkaido University	Development of Solid Catalyst Systems Based on Operand Spectroscopy and Theoretical Calculations

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Engineering sciences (page 2 of 2)

Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
KUMAR Manoj	INDIA	Osamu MATOBA	Kobe University	Polarization-Guided Deep 3D Fluorescence Imaging of Brain through skull
REZEK Bohuslav	CZECH	Satoshi KOIZUMI	National Institute for Materials Science	Visible frequency plasmonic effects in graphene-semiconductor heterostructures
WANG Zhangwei	CHINA	Tadashi FURUHARA	Tohoku University	3D characterization of boundary clusters via machine learning-enhanced atom probe tomography
HE Yuxing	CHINA	Olivia CHEN	Kyushu University	Microwave and Digital Co-Design in Energy-Efficient Superconducting Circuits
HOERIG Cameron	U.S.A.	Shinnosuke HIRATA	Chiba University	Development of a quantitative ultrasound system for realizing multi-scale tissue characterization
ZHANG Ying	CANADA	Teruoki TAGO	Institute of Science Tokyo (formerly Tokyo Tech)	Innovative Catalytic Reaction Fields for the Effective Utilization of Carbon Dioxide
GIM Tae Hyung Tommy	KOREA (REP. OF KOREA)	Hwajin LIM	Tokyo City University	Action research for the development of smart shrinking processes in East Asian urban spaces

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Informatics

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ZULKERNINE Md	CANADA	Hiroyuki SATO	Research Organization of Information and Systems	Trustworthy Communication in Mobile Cyber-Physical System Networks
MEZZINA Claudio Antares	ITALY	Shoji YUEN	Nagoya University	Reversible debugging and recovery for concurrent programs based on causal consistent reversibility
ISHIZAKA Alessio Yoshiyuki	SWITZERLAND	Tomoe ENTANI	UNIVERSITY OF HYOGO	A new hybrid risk analysis method to measure the risk of closure of Japanese universities
SOLIHIN Yan	U.S.A.	Keiji KIMURA	Waseda University	Acceleration of Artificial Intelligence (AI) System with Privacy Preserving Technologies
LI Lin	CHINA	Jianwei ZHANG	Iwate University	Sequential Prediction with Knowledge Distillation
OTHMAN Al-Hawbani Ammar Ahmed	YEMEN	Zhi LIU	The University of Electro-Communications	Digital Twin Internet of Things (DT-IoT)
JAMONE Lorenzo	ITALY	Tetsuya OGATA	Waseda University	Cognitive Robotics Technologies to improve food preparation and assist humans
STEELS Luc Leo	BELGIUM	Takashi IKEGAMI	The University of Tokyo	The Emergence of Self in AI: Exploration of Consciousness through LLM and the Alter3 Android"

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Biological sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
AHITUV Nadav	U.S.A.	Fumitaka INOUE	Kyoto University	Technologies for simultaneous characterization of regulatory activity and protein binding
BELYY Alexander	RUSSIA FEDERATION	Oleg SITSEL	Okinawa Institute of Science and Technology Graduate University	Determining the structure of the cnidarian actin cytoskeleton using cryoelectron microscopy
WANG Chunyu	U.S.A.	Yoshitaka ISHII	Institute of Science Tokyo (formerly Tokyo Tech)	Structural and functional studies of tau aggregates and their interactions with lipids
FARINA Walter Marcelo	ARGENTINA	Hiroyuki AI	Fukuoka University	Analysis of brain molecules responding to waggle dance vibration-conditioning

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Agriculture/Environmental sciences

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TRIAPITSYN Serguei	U.S.A.	Tetsuya ADACHI	University of Miyazaki	Biological control of agricultural pests in organic and reduced-pesticide cultivation
ENNAJEH Mustapha	TUNISIA	Mayumi OGASA	National Research and Development Agency Forest Research and Management Organization	Evaluation of stem drought tolerance for understanding tree responses to climate change
HE Ping	U.S.A.	Tsutomu KAWASAKI	Kindai University	Understanding the conservation and diversity of plant immune systems and their applications
KUZYAKOV Yakov	GERMANY	Weiguo CHENG	Yamagata University	Comparison of strategies for C sequestration in agricultural lands between Japan and Germany
KABIR Yearul	BANGLADESH	Hitoshi SHIRAKAWA	Tohoku University	Exploring the Anticancer Potential of Fermented Rice Bran: Focusing on Natural Killer Cell Activity
XIAO Man	AUSTRALIA	Hiroshi YAJIMA	Shimane University	Impact of climate change-induced nutrient load variations on cyanobacteria blooms in reservoirs
VADIVELOO Ashiwin	MALAYSIA	Koji KAWAMURA	Osaka Institute of Technology	Achieving CO2-Free Bioenergy Production: Integrating Methane Fermentation with Algal Biofuel Systems
MOUSTAFA Mohamed Abdallah Mohamed	EGYPT	Ryo NAKAO	Hokkaido University	Establishment of the international research framework for understanding tick microbiome
ISLAM Md Moshiul	BANGLADESH	Yoshiyuki MURATA	Okayama University	Improvement of environmental stress tolerance via reactive carbonyl species production in plants
ERRA-BALSELLS Rosa	ARGENTINA	Hiroshi WADA	Ehime University	Metabolome analysis at pollination in higher plants using on-site single-cell analyses
TAKAGI Daisuke	JAPAN	Yutaka YAWATA	University of Tsukuba	Impact of bacterial behavioral ecology on methane emission from rice paddy
PUCCIARIELLO Chiara	ITALY	Motoyuki ASHIKARI	Nagoya University	Analysis of microbiome formation required for germination of gramineous crops under submergence

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Medicine dentistry and pharmacy

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EDIRIPPULIGE Sisira	AUSTRALIA	Kuriko KUDO	Kyushu University	Needs Analysis on Competencies to Use Information Technology in Japanese Medical Education
CHRISTIANSON David W.	U.S.A.	Ikuro ABE	The University of Tokyo	Elucidation of structural basis for biosynthetic systems of medicinal natural products
LI Shuangyu	UNITED KINGDOM	Hideki HASHIMOTO	The University of Tokyo	Comparative study on the cultural competence development in medical education
MASSOUD Tarik F	U.S.A.	Takashi HANAKAWA	Kyoto University	Exploring new biomarkers of neurodegenerative diseases based on micro brain structures using MRI
LE BIHAN Denis	FRANCE	Mami IIMA	Nagoya University	Establishing advanced diffusion MRI-based biomarkers for evaluating breast cancer treatment efficacy
MIELKE Gregore Iven	AUSTRALIA	Yuta NEMOTO	Kanagawa University of Human Services	Novel algorithm for accurate physical activity estimation in older adults using accelerometry data