

## List of Fellows (FY2023 Invitational Fellowships for Research in Japan (Long-term))

Humanities

The following list includes the names of the selected fellows, their host researchers and research themes under the recruitment of FY2023 JSPS Invitational Fellowships for Research in Japan (Long-term). Under this recruitment, 167 applicants were received, among which 50 fellowships were awarded.

Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
CARPENTER John T.	U.S.A.	Yoshitaka YAMAMOTO	National Institutes for the Humanities	A Comparative Study of Japanese Calligraphies and Paintings from the Cowles Collection at The Met
GEISLER Paul Wenzel	DENMARK	Akinori HAMADA	The University of Tokyo	Covid and it's Predecessors: A Long Century of Epidemics and Epidemic Control in Sub- Saharan Africa
AHMAD Haitham Mahmoud ibrahim	EGYPT	Naoya KATSUMATA	Kyoto University	Comparative Study of Arabic and Hebrew Folk Literatures in the Medieval Middle East
SOLIMAN Mohamed	EGYPT	Keiji YANO	Ritsumeikan University	Topographic and urban transformation in Alexandria

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Social sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
LEE Pui tak	UNITED KINGDOM	Kazuhiko YAGO	Waseda University	The Making of International Financial Centers in Asia
OLIVIA Susan	INDONESIA	Aya SUZUKI	The University of Tokyo	Sustainable shrimp aquaculture in Asia: Quantitative evidence on promoting good practices
ABEDIN Anwarul Md.	BANGLADESH	Nina TAKASHINO	Ritsumeikan University	Exploring social capital for empowering ethnic "Garo" agricultural women in Bangladesh
MENDIS Dinusha	UNITED KINGDOM	Tatsushiro UENO	Waseda University	Intellectual Property Implications relating to cryptoassets and Non-Fungible Tokens in Japan and UK
KHERN-AM-NUAI Warut	THAILAND	Takumi SHIMIZU	KEIO UNIVERSITY	Regulating Online Hate: An Empirical Study
SADIKI Larbi	AUSTRALIA	Keiko SAKAI	Chiba University	Comparative studies on Protest movements and re-emergence of Nationhood in the Middle East and Asia
MUZAFARY S. ahmad ratib	AFGHANISTAN	Tomoko FUKUDA	Chiba University	Socio-political Transformation in Post-2021 Afghanistan and Diaspora Community in Japan
NETHIPO Viengrat	THAILAND	Fumio NAGAI	Osaka Metropolitan University	Political Sociology on Regional Differences in Thailand: Qualitative and Quantitative Analysis

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Mathematical and physical sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
PEIRANI Sebastien	FRANCE	Yasushi SUTO	The University of Tokyo	Spin-orbit evolution of supermassive blackholes in centers of galaxies from numerical simulations
PEVZNER Michael	FRANCE	Toshiyuki KOBAYASHI	The University of Tokyo	Construction of holographic operators in branching problems
KERMARREC Edwin	FRANCE	Minoru YAMASHITA	The University of Tokyo	Ultra-low temperature studies of quantum spin liquids
DIXIT Gopal	INDIA	Kazuhiro YABANA	University of Tsukuba	Theoretical study on ultrafast valley switch using tailored laser pulse
GALLUZZI Massimiliano	ITALY	Kaori SUGIHARA	The University of Tokyo	Nanomechanical Investigation of cytoskeletal forces in macrophages by mechanochromic polymers
PORTELLI Antonin Jean	FRANCE	Yasumichi AOKI	RIKEN	Toward the next generation of lattice QCD and QED calculations

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Chemistry

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
ROY Ram Kinkar	INDIA	Tetsuya TAKETSUGU	Hokkaido University	Exploring Excited State Reaction Paths and Dynamics for Aggregation-Induced Emission Mechanism
DAS Subha Ranjan	U.S.A.	Naoki SUGIMOTO	KONAN UNIVERSITY	Development of a platform for automated remote physicochemical analysis of nucleic acid structures
MINDIOLA Daniel J.	U.S.A.	Makoto YAMASHITA	Nagoya University	Reaction of methane and ethylene using Al-containing pincer Ir complexes as homogeneous catalyst

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Engineering sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
MONDAL Pranab Kumar	INDIA	Amy SHEN	Okinawa Institute of Science and Technology Graduate University	Surface wettability effects for microfluidic flows.
CONG Weilong	CHINA	Daisuke KONO	Kyoto University	Ultrasonic Vibration-Assisted Additive and Subtractive Hybrid Manufacturing
ROMANKOV Sergey	KAZAKHSTAN	Dmitri LOUZGUINE	Tohoku University	Processing and study of W-based layers formed by intense plastic deformation using ball collisions
CLENET Stephane jacky yvon	FRANCE	Hajime IGARASHI	Hokkaido University	Realization of high-performance and robust permanent magnet motor using topology optimization
LI Jingjing	U.S.A.	Ninshu MA	Osaka University	Interface strengthening mechanism and fracture behavior of AMed gradient Inconel600/SUS316L material
KUMAR Shiva	CANADA	Toshihiko HIROOKA	Tohoku University	Cognitive dynamic system for ultrahigh-speed optical transmission and optical computing
GOSTICK Jeffrey Thomas	CANADA	Shohji TSUSHIMA	Osaka University	Collaborative Research for Exploring Ultra-Large-Scale Optimization of Porous Electrodes
VIJAYARAGHAVAN Saranyan	INDIA	Shigeki KAWAI	National Institute for Materials Science	Direct visualization of single atom induced on-surface catalytic reactions
MENG Lei	CHINA	Tomoaki YAMADA	Nagoya University	Clarification and control of EO property in ZnO-based thin films with large nonlinear susceptibility

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Informatics

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DHAR Pranab Kumar	BANGLADESH	Takeshi KOSHIBA	Waseda University	digital watermarking in the new computational model

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Biological sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
CIRILLO Carla	ITALY	Hideki ENOMOTO	Kobe University	Deciphering the molecular basis of enteric glia-derived neurogenesis toward brain injury repair
MORELLI Luis Guillermo	ARGENTINA	Koichiro URIU	Kanazawa University	Segmentation clock theory: from single cell oscillations to global tissue patterns
HALPAIN Shelley Lea	U.S.A.	Naoki WATANABE	Kyoto University	High spatiotemporal resolution microscopy of cellular and neuronal pro-survival actin dynamics
SZEGLETES Luca	HUNGARY	Junichi CHIKAZOE	Araya Inc. (Neurotechnology R&D Unit)	An algorithm for mutual conversion between EEG and functional MRI signals using a diffusion model

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Agriculture/Environmental sciences

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MEHRETIE Solomon	ETHIOPIA	Naoshi KONDO	Kyoto University	Non-destructive multi-dimensional assessment of grape bunch quality using fluorescence properties
SUMON Mahmud Hossain	BANGLADESH	Takehiro KAMIYA	The University of Tokyo	Understanding the mechanism of iron-plaque formation in rice using genome wide association study
GIOVAMBATTISTA Guillermo	ARGENTINA	Yoko AIDA	The University of Tokyo	Construct of diagnosis for susceptible gene of enzootic bovine leukosis for application in Argentina
AGUS Budiawan naro putra	INDONESIA	Takuya SUGAHARA	Ehime University	Studies on health function of coriander leaf extracts and development of functional food.
HASSAN Waseem	PAKISTAN	Morimaru KIDA	Kobe University	Anthropogenic disturbances impact on carbon, microbes, enzymes and gas fluxes in mangrove ecosystem
ELSHAMY Noha Mohamed mohamed elhosseiny abdelnour	EGYPT	Yoshikazu TANAKA	Tohoku University	Cryo-EM single-particle analysis of type II secretion system from <i>Acinetobacter baumannii</i>
HEMACHANDRA Chamini Kasun	SRI LANKA	Hisato IWATA	Ehime University	Chemical effects on aquatic organisms in Sri Lankan Negombo Lagoon by multi-omics analysis
OSTERTAG Rebecca	U.S.A.	Kaoru KITAJIMA	Kyoto University	Functional-trait based forest restoration strategies for optimization of forest ecosystem functions
TRZCINSKI Antoine P.	AUSTRALIA	Koji HARADA	Kyoto University	Removal of Organophosphate Flame Retardants by Combined Adsorption and Electrochemical Regeneration
RAI Vandna	INDIA	Shiro MITSUYA	Nagoya University	Dissection of phenotypic and genotypic responses in rice roots with different salinity

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Medicine dentistry and pharmacy

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NING Gang	U.S.A.	Michiyuki MATSUDA	Kyoto University	A global network for the cutting-edge microscope core facilities
KAMTO Eutrophe le doux	CAMEROON	Hayato ISHIKAWA	Chiba University	Chemical studies on flavonoids and alkaloids with antiviral activity from Cameroonian folk medicine
GAMAGE Chandika Damesh	SRI LANKA	Fumito MARUYAMA	Hiroshima University	Investigation of the Genetic Determinants Facilitating Renal Colonization of Leptospira spp in Dogs
TSOH Janice Yusze	U.S.A.	Takahiro NEMOTO	Toho University	Mental Well-Being among Chinese Foreign Nationals in Japan
ZHU Jun	U.S.A.	Rieko MURAMATSU	National Center of Neurology and Psychiatry	Searching the vascular-derived factor that regulate neuronal function in HIV infection