

List of Fellows (FY2022 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 FY2022 JSPS Invitation Fellowship for Research in Japan (Long-term). Under this recruitment, 183 applicants were received, among which 60 fellowships were awarded.

Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
TOSCA Susana Pajares	SPAIN	Akinori NAKAMURA	Ritsumeikan University	TRANSMEDIAL IMAGINARIES OF PLACE
BEHR Wolfgang	GERMANY	Masaki NOHARA	Kyoto University	Migratory terms ("Wanderwort") in Old Chinese
HOMEI Aya	JAPAN	Yoko MATSUBARA	Ritsumeikan University	Gender in eugenic policies in post-WWII Japan: From the perspective of feminist STS
TAKAI Yukari	CANADA	Manami YASUI	National Institutes for the Humanities	Rethinking of Marriage, Family and Gender Relations in the Japanese Pacific and beyond

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Social sciences

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CHUNG Kwang hee	KOREA (REP. OF KOREA)	Takuya KIMURA	Kyushu University	A Comparative Study on the Professional Development and Qualifications of University Admissions
DI GUILMI Corrado	ITALY	Takashi KAMIHIGASHI	Kobe University	Medium- to Long-Term Negative Chain Reactions Arising from Network Structure in the Macroeconomy
MONI Monir Hossain	BANGLADESH	Takashi SEKIYAMA	Kyoto University	Japan's Aid-Trade-Investment Nexus to Address Environmental Issues in Bangladesh and South Asia
FLEISCHER Julia	GERMANY	Koichiro AGATA	Waseda University	Structures and Reforms in the Japanese Central Government - Current Situations and Perspectives
KANG Chun-won	KOREA (REP. OF KOREA)	Kazuharu HASHITSUME	Shimane University	Development of quantitative evaluation method for acquiring woodworking skills
KIM Jinhee	KOREA (REP. OF KOREA)	Toru OGA	Kyushu University	Multidimensional Models for Multicultural Society: Policies, Discourses, and Attitudes

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Mathematical and physical sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
BONO Giuseppe	ITALY	Noriyuki MATSUNAGA	The University of Tokyo	New high-sensitivity spectrographs to reveal the formation and the evolution of the Galactic bulge
MINGUEZ ESPALLARGAS Alberto	SPAIN	Atsushi ICHINO	Kyoto University	Unitary and l-modular representations of p-adic groups
BOWDITCH Brian Hayward	UNITED KINGDOM	Sadayoshi KOJIMA	Waseda University	Hyperbolic Geometry and Geometric Group Theory
MORALES RUIZ Juan Jose	SPAIN	Kazuyuki YAGASAKI	Kyoto University	Development of New Differential Galois Approaches in Dynamical Systems and Related Fields
KIRSCHVINK Joseph Lynn	U.S.A.	Yuji YAMAMOTO	KOCHI UNIVERSITY	Exploring the Earth's oldest magnetofossil from the stunningly well-preserved strata in South Africa
MARTIN Kimball	U.S.A.	Masaaki FURUSAWA	Osaka City University	On periods of algebraic automorphic forms
DE SOUZA Nicolas Raphael louis	FRANCE	Yukinobu KAWAKITA	Japan Atomic Energy Agency	Model-free analysis of quasi-elastic neutron scattering from molecular liquids
GIRIT Caglar	U.S.A.	Yuimaru KUBO	Okinawa Institute of Science and Technology Graduate University	Josephson Junction Quantum Technologies: Ultra-wideband Spectroscopy and Coherent Oscillator

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Chemistry

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WATERMAN Rory	U.S.A.	Norihiro TOKITOH	Kyoto University	Influencing single-triplet states for phosphinidene transfer
CAHARD Dominique	FRANCE	Norio SHIBATA	Nagoya Institute of Technology	Micro-flow synthesis of fluoro-pharmaceuticals using fluorocarbons
NATH Pabitra	INDIA	Daniel CITTERIO	KEIO UNIVERSITY	Development of a Smartphone-Based Readout Platform for On-site Tuberculosis Diagnostics

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Engineering sciences

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Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
LIU Ang	CHINA	Masayuki NAKAO	The University of Tokyo	Digital Twin driven Complexity Management for Smart Product Design
JIN Yongmei	U.S.A.	Yasukazu MURAKAMI	Kyushu University	Magnetoelasticity in Fe-Ga Alloys: Revealing Underlying Mechanisms by Advanced Electron Microscopy
POPESCU Gabriel	U.S.A.	Keisuke GODA	The University of Tokyo	Collaborative Development of Ultrafast Optical Tomography
LI Jin	CHINA	Satoshi ASHIHARA	The University of Tokyo	Vibrational spectroscopic imaging using mid-infrared femtosecond laser and compressive sensing
MARINAS Benito Jose	U.S.A.	Shinya ECHIGO	Kyoto University	Biomolecular changes required for viral inactivation for selective detection of infectious viruses
LI Wei	U.S.A.	Michiya MATSUSAKI	Osaka University	Multilayered Microchips with Perfusable Blood Vessels for Chronic Infected Wound Models
GRABDA Mariusz Crzegorz	POLAND	Michiaki MATSUMOTO	Doshisha University	Separation of persistent per-and polyfluoroalkyl substances with novel ionic liquids
LINKE Dirk Bernd kurt	GERMANY	Katsutoshi HORI	Nagoya University	Adhesion and Infection Mechanisms of Fish Pathogen and Disease Control via Engineering and Biology
DEKEL Dario R.	ISRAEL	Takeo YAMAGUCHI	Tokyo Institute of Technology	Development of a design platform for high-temperature anion exchange membrane fuel cells
DIMITRIIEV Oleg	UKRAINE	Tsukasa YOSHIDA	Yamagata University	Extraction of thermal energy by "Maxwell Demon" through hybrid hot spots equipped with infrared dyes
MOCK Adam Peterson	U.S.A.	Masaya NOTOMI	NTT Basic Research Laboratories, NTT Corporation	Orbital angular momentum radiation from coupled-cavity photonic crystal laser

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LIU Ang	CHINA	Masayuki NAKAO	The University of Tokyo	Digital Twin driven Complexity Management for Smart Product Design
BOLONTRADE Marcela Fabiana	ARGENTINA	Moeto NAGAI	Toyohashi University of Technology	Comprehensive microfluidics to determine chemotherapy drug uptake and intracellular distribution
SARKAR Biplab	INDIA	Hiroshi AMANO	Nagoya University	High Power IMPATT Diode by GaN
CHEN Cynthia	U.S.A.	Toshiyuki YAMAMOTO	Nagoya University	Socially-integrated technological solutions for neighborhood survival after extreme events

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Informatics

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WONG Willy	CANADA	Shuji MORI	Kyushu University	Auditory gaps and silence: Modelling and clinical applications
DHAR Pranab Kumar	BANGLADESH	Takeshi KOSHIBA	Waseda University	Quality Assessment, Copyright Protection, and Authentication of Images Using Digital Watermarking
ZOCK Michael Rainer maria	GERMANY	Kentaro INUI	Tohoku University	An NLP and Cognitive Science-based Ecosystem/Workbench to Assist Authors to Write Scientific Papers
ANDREU-PEREZ Javier	UNITED KINGDOM	Hidenobu SUMIOKA	Advanced Telecommunications Research Institute International	Operator Neural Profiling and Training for Human-Like Avatar Control

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Biological sciences

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MARTYNOV Alexander	RUSSIA FEDERATION	Toshihiko FUJITA	National Museum of Nature and Science	Deep-sea biodiversity: Morphological and molecular taxonomy of the Japanese deep-sea ophiuroids
STASEVICH Timothy	U.S.A.	Hideki TAGUCHI	Tokyo Institute of Technology	Visualization of protein misfolding in living cells with single molecule precision.
BALLING Rudolf	GERMANY	Toshimori KITAMI	RIKEN	Systems biology modeling of Parkinson's disease
BAIRD Andrew Hamilton	AUSTRALIA	Saki HARI	University of the Ryukyus	A revision of the taxonomic status of scleractinian corals with a type location in Japan
OSTOJIC Srdjan	FRANCE	Joshua JOHANSEN	RIKEN	Elucidating neural circuit mechanisms of context-dependent computations

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Agriculture/Environmental sciences

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SEKAR Karthikeyan	INDIA	Keiko SASAKI	Kyushu University	Synthesis and characterization of novel photocatalyst composites for degradation of trimethoprium
BADRUZZAMAN Muhammad	BANGLADESH	Kohei OHTA	Kyushu University	Neuroendocrine control for seed production during off-spawning season in chub mackerel
LADHARI Afef	TUNISIA	Nobutaka MITSUDA	National Institute of Advanced Industrial Science and Technology	Understanding the terpenoid biosynthesis in <i>Cleome arabica</i> and its DsRNA-mediated regulation
ADARKWAH Charles	GHANA	Midori TUDA	Kyushu University	Enhancing bio-chemical control: nanopesticide optimization in a tritrophic stored bean system
KEWAN Mohamed Elbadawy abdelgayed gad	EGYPT	Tatsuya USUI	Tokyo University of Agriculture and Technology	Establishment of a blood-derived canine bladder cancer organoid culture method
PARK Woojun	KOREA (REP. OF KOREA)	Masanori TOYOFUKU	University of Tsukuba	Bacterial membrane vesicle formation under different environmental stresses
NASR ESFAHANI Maryam	IRAN	Keiichi MOCHIDA	RIKEN	Identification of molecular responses against combined heat and nutrition stresses in grasses
ALAIN Mune mune Martin	CAMEROON	Hideki KISHIMURA	Hokkaido University	Study on elucidation of food factors that can be practiced prevention of lifestyle-related diseases
ISLAM Md Moshiul	BANGLADESH	Yoshiyuki MURATA	Okayama University	Roles of reactive carbonyl species in guard cell signaling leading to stomatal closure
SHERCHAN Samendra P.	U.S.A.	Eiji HARAMOTO	University of Yamanashi	Development of a method for concentrating SARS-CoV-2 in wastewater for wastewater-based epidemiology
HOWE Gregg A.	U.S.A.	Hiroshi EZURA	University of Tsukuba	Generation of a novel tomato mutant highly resistant to insects

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Medicine dentistry and pharmacy

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MOHSEN Vigeh	IRAN	Kazuhito YOKOYAMA	International University of Health and Welfare	Prenatal heavy metal exposure and pregnancy outcomes: Iranian and Japanese birth cohort studies
ELINDER Fredrik	SWEDEN	Yasushi OKAMURA	Osaka University	Lipid regulation of voltage-gated ion channels
AWASTHI Saumya	INDIA	Naoki HASEGAWA	KEIO UNIVERSITY	Functional analysis of host genetic factors associated with severe COVID-19
LOTFY Ahmed	EGYPT	Tatsuya SHIMIZU	Tokyo Women's Medical University	Creation of high-functional mesenchymal stem cell sheets for regenerative therapy of liver fibrosis
PARTHASARATHY Anutthaman	INDIA	Ganesh pandian NAMASIVAYAM	Kyoto University	Designer molecule for gene control in drug resistant bacteria