

List of Fellows (FY2021 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 recruitment of FY2021 JSPS Invitational Fellowships for Research in Japan (First Recruitment of Short-term). Under this recruitment, 153 applicants were received, among which 70 fellowships were awarded.

Fellow' name (Family/First/Middle)	Nationality	Host Researcher	Host Institution	Research Theme
FUMANTI Mattia	ITALY	Akira TAKADA	Kyoto University	Moral Economies of Health in South West Africa's Colonial Mines and the League of Nations mandate
ZAVARSKY Svorad	SLOVAKIA	Akihiko WATANABE	OTSUMA WOMEN'S UNIVERSITY	Study on an 18th-century Slovak Neo-Latin anthology set in Japan
KOURKEN Michaelian	CANADA	Shin SAKURAGI	Shibaura Institute of Technology	Collective Memory and Contemporary Discussions in Philosophy of Memory
VIDAL Fernando	SWITZERLAND	Tatsuya MIMA	Ritsumeikan University	Understanding socio-cultural dynamics of care: "Japanese bias" in amyotrophic lateral sclerosis

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Social sciences

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GODELIER Eric	FRANCE	Kazuhiko YAGO	Waseda University	Elites and Models of Management: structure of international transmission
BRESCO DE LUNA Ignacio	SPAIN	Hirofumi MINAMI	Kyushu University	Memorials and the method of subjective cameras: A cultural-ecological approach
CAMOS Valerie	FRANCE	Satoru SAITO	Kyoto University	Developing a time-based resource sharing model of human cognition
DAHLBERG Gunilla Astrom	SWEDEN	Sachiko ASAI	The University of Tokyo	Creation of creative and exploratory early childhood education using documentation
BURDIN Gabriel	URUGUAY	Ryo KAMBAYASHI	Hitotsubashi University	Long-Hour Working and Labor Management Communication
CHIEN Pi-hsuan monica	AUSTRALIA	Noboru MATSUSHIMA	Kobe University	Inbound tourism and sustainable ecosystem development: Understanding disruptions to the community
MURTHY Viren	U.S.A.	Eiichi NOJIRI	Osaka University	Imagining Asia as Resistance: Rethinking Asian Critiques of Modernity
WAN Hooi Lai	MALAYSIA	Jirou USUGAMI	Aoyama Gakuin University	Hiring, training and motivating Global Human Resources Management
PASHA Mustapha Kamal	U.S.A.	Takao TAKAHARA	Meiji Gakuin University	Revisiting the Concept of Human Security under the COVID-19 Pandemic

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Mathematical and physical sciences

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MARCQ Philippe	FRANCE	Shuji ISHIHARA	The University of Tokyo	Modeling collective epithelial cellular dynamics and its application to tissue growth
LEFLOCH Philippe Gerard	FRANCE	Yoshio TSUTSUMI	Kyoto University	Nonlinear Wave Equations with Long Range Interactions
GENOVA SANTOS Ricardo tanausu	SPAIN	Osamu TAJIMA	Kyoto University	Probing quantum universe and absolute mass of neutrino by observation of CMB and foregrounds
FAUQUE Benoit	FRANCE	Yuki FUSEYA	The University of Electro-Communications	Mechanism of orbital giant-magnetoresistance in semimetals and semiconductors
PATANCHON Guillaume	FRANCE	Hirokazu ISHINO	Okayama University	Study of systematic uncertainties for primordial gravitational wave measurements by LiteBIRD
WANG Jingbo	AUSTRALIA	Jason TWAMLEY	Okinawa Institute of Science and Technology Graduate University	Developing quantum algorithms for NP-Hard problems
ARVANITIDIS Ioannis	GREECE	Kosmas PRASSIDES	Osaka Prefecture University	Creation of new high temperature superconductors by bidirectional internal/external doping of C60
ONDERWATER Gerardus Cornelis johannes	NETHERLANDS	Tsutomu MIBE	High Energy Accelerator Research Organization	Storage of spin polarized muon and precision measurement of dipole moments
BERESTYCKI Henri	FRANCE	Hirokazu NINOMIYA	MEIJI UNIVERSITY	Mathematical study of propagation phenomena in inhomogeneous media

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Chemistry

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JACOBSEN Eric Niels	U.S.A.	Masahiro MURAKAMI	Kyoto University	Development of Catalytic Asymmetric Reactions via Carbocations
FAISAL Farhad Hassan mohammad	GERMANY	Kaoru YAMANOUCHI	The University of Tokyo	Attosecond ionization processes of atoms and molecules in intense laser fields
HYSTER Todd Kurt	U.S.A.	Takashi OOI	Nagoya University	Chemistry of Catalysis Based on Functional Modification of Enzymes with Visible Light
ZHANG Deqing	CHINA	Shigehiro YAMAGUCHI	Nagoya University	Extended Non-benzenoid pi-Electron Systems: Control of Molecular Alignment for Functions
SANGARAJU Shanmugam	INDIA	Toshiyuki MOMMA	Waseda University	Advanced Separator with Multifunctional Heterostructured additives for nextgeneration Li-S batteries
DRAGOE Nita	ROMANIA	Ayako YAMAMOTO	Shibaura Institute of Technology	High-pressure synthesis of high-entropy metal sulfides and development of its function
FUCHTER Matthew J	UNITED KINGDOM	Hiroshi SHINOKUBO	Nagoya University	Optoelectronic functions and applications of optically active helicenes

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Engineering sciences

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SUN Zhendong	CHINA	Katsuyuki FUKUTANI	The University of Tokyo	Unified understanding of nuclear-spin conversion mechanism
SANA Ahmad	PAKISTAN	Hitoshi TANAKA	Tohoku University	Study on friction law beneath tsunami considering transitional flow regime
SONG Yun Heub	KOREA (REP. OF KOREA)	Noriyuki UCHIDA	National Institute of Advanced Industrial Science and Technology	Selective growth of hafnium-oxide crystal films for innovative silicon electronics
KOMSA Hannu-pekka	FINLAND	Kazutomo SUENAGA	National Institute of Advanced Industrial Science and Technology	Structure and property relationship of low dimensional materials studied by TEM and DFT
NGUYEN Vu hieu	FRANCE	Shiro BIWA	Kyoto University	Micromechanical modeling of bone-implant interfaces and ultrasonic wave propagation analysis
SRATONG-ON Pimpet	THAILAND	Hideki HOSODA	Tokyo Institute of Technology	Design of ferromagnetic shape memory alloy dispersed polymer composites with high speed and strain
ABDEH KEYKHA Hamed	IRAN	Satoru KAWASAKI	Hokkaido University	Eco-friendly biocementation for soft soils using adsorbent and electrokinetics
TAM Shing yau	CHINA	Ryuji YOKOKAWA	Kyoto University	Visualization of tumor microenvironment and epithelial-mesenchymal transition by on-chip vessels
HAO Qing	CHINA	Koji TAKAHASHI	Kyushu University	Nanostructured 2D materials for highly tunable thermal, electrical and thermoelectric properties
KWAN Chiman	U.S.A.	Hiroyuki MIURA	Hiroshima University	Natural Disaster Damage Assessment Using Satellite Images
TIERNEY Kevin	U.S.A.	Tatsushi NISHI	Okayama University	Integrated Machine Learning and Optimization for Decision Making Aid in Supply Chain and Logistics

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Engineering sciences

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CHEN Zhiqiang	U.S.A.	Ji DANG	SAITAMA UNIVERSITY	UAV-based cognitive structural inspection with BIM-enabled optimal path design
MUKHERJEE Shaibal	INDIA	Than htay MYO	Shinshu University	ZnO HEMT-based DC/DC converter for hybrid electric vehicles
BERTONE Edoardo	ITALY	John c WELLS	Ritsumeikan University	Predictive models for cyanobacterial blooms in Japanese lakes based on machine learning
BUCCI Matteo	ITALY	Shoji MORI	Kyushu University	Measurement of wall temperature and heat flux distribution on nano-macro hybrid structured surface
RYU Sangjin	KOREA (REP. OF KOREA)	Moeto NAGAI	Toyohashi University of Technology	Localized Photoporation Intracellular Delivery for Wide Range of Cells Using Photoporation
KALDERIS Dimitrios	GREECE	Toshiki TSUBOTA	Kyushu Institute of Technology	Development of novel, biomass-based composite materials with improved electrochemical performance

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Informatics

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DJAHEL Soufiene	ALGERIA	Celimuge WU	The University of Electro-Communications	Empowering Vehicular IoT with Collaborative Intelligence for Next Generation ITS
DENG Yong	CHINA	Van nam HUYNH	Japan Advanced Institute of Science and Technology	Research on Entropy Measures in Dempster-Shafer Theory of Evidence and Applications
ULIDOWSKI Ireneusz	UNITED KINGDOM	Shoji YUEN	Nagoya University	Debugging and Analysis Techniques for Concurrent Programs with Reversible Computation
CHEN Jun	CHINA	Yasutada OOHAMA	The University of Electro-Communications	Construction of New Communication Theory which is a Basis of Advanced IoT Society Using AI
CAIAFA Cesar Federico	ARGENTINA	Qibin ZHAO	RIKEN	Sparse Coding and Tensor Network topology discovery in machine learning
WU Jun	CHINA	Kaoru OTA	Muroran Institute of Technology	Research on IoT Platforms for AI Computing

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Biological sciences

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YU Yan	U.S.A.	Ryota IINO	National Institutes of Natural Sciences	Revealing molecular motor navigation at intersections by single-particle rotational tracking
MANTHI Fredrick Kyalo	KENYA	Masato NAKATSUKASA	Kyoto University	Morphological study of early Homo sapiens skeleton by virtual computation restoration
RONSE DE CRAENE Louis Phillipe	BELGIUM	Akitoshi IWAMOTO	Kanagawa University	Evolution of lebellum development in Zingiberaceae

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Agriculture/Environmental sciences

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KARTAL Saip Nami	TURKEY	Tsuyoshi YOSHIMURA	Kyoto University	Performance of water-insoluble raw boron minerals in a novel termite management approach
TRIAPITSYN Serguei	U.S.A.	Tetsuya ADACHI	University of Miyazaki	Biological control of agricultural pests using egg parasitoid wasps
JI Rubao	U.S.A.	Atsushi YAMAGUCHI	Hokkaido University	Ecosystem modeling study in the Arctic Ocean and marginal seas of the North Pacific
CAMPBELL Hugh Roberts	NEW ZEALAND	Hiroshi ISODA	Kyushu University	Food Regime Approach to Reorganization of International Agro-Food Relations under the Mega EPA
RANGACHARYULU Chilakamarri	CANADA	Satoru ENDO	Hiroshima University	Dosimetry techniques combining nuclear physics and medical physics
AGHAJARI Nushin	DENMARK	Atsuo KIMURA	Hokkaido University	Molecular mechanism of GH97 group enzyme: solving problems by structural biological ap proaches
SILOSHONOK Vadim Anatolievich	U.S.A.	Hiroyuki KONNO	Yamagata University	Preparation of tailor-made amino acids using Ni-BPB ligand
GUPTA Dharmendra Kumar	INDIA	Masahiro INOUE	Ehime University	Mechanism of rare and alkaline metals accumulations by plants and the phytoremediation technology

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Medicine dentistry and pharmacy

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LEE Bong-jin	KOREA (REP. OF KOREA)	Yasushi SHIGERI	Wakayama Medical University	Next-generation structural analyses for drug targets: development and problem points
MAIMONE Thomas J.	U.S.A.	Motomu KANAI	The University of Tokyo	Total Synthesis of Complex Natural Products Based on Radical Cyclization and C-H Oxidation
DIXON Darren J	UNITED KINGDOM	Tetsuhiro NEMOTO	Chiba University	New Broad Scope Strategies for Amine and Complex Natural Product Synthesis
VERGARI Claudio	ITALY	Shuichi MATSUDA	Kyoto University	Predicting risk of complication and functional outcome in total hip arthroplasty
KLOSE Karl Erik	U.S.A.	Michio HOMMA	Nagoya University	Study on Vibrio flagellar formation and pathogenicity
HILLMAN Charles H.	U.S.A.	Noriteru MORITA	NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY OF EDUCATION	The longitudinal effects of physical activity and fitness on cognitive development in Japanese youth
SINHA Rahul	INDIA	Ryo YAMAMOTO	Kyoto University	Elucidate mechanisms of self-renewal and multipotency of non-human primate hematopoietic stem cells