

List of Fellows Selected through Open Recruitment in Japan

Humanities

Fellow			Nationality	Host Researcher	Host Institution	Research Theme
Family Name	First Name	Middle Name				
CHUDNOW	Matthew	Thomas	U.S.A.	Keisuke UNNO	National Institutes for the Humanities	An Analysis of the Idea of Women Becoming Buddha in Noh Play in Muromachi Period
MOHARRAMIPOUR	Zahra		IRAN	Yuriko YAMANAKA	National Institutes for the Humanities	Scholarly Networks and the Perceptions of Persia and Central Asia in Early 20th Century Japan
VAN EWIK	Aafke		NETHERLANDS	Akira SUZUKI	Rikkyo University	Heroines from the Wartales and Historical Identity in Early Twentieth Century Literature for Girls
JUNG	Munho		KOREA (REP. OF KOREA)	Makoto OTSUKI	Kyoto University	A study of Sino-Japanese glosses in classical Chinese texts
ALEMU	Dagenet	Sultan	ETHIOPIA	Nigussie haregeweyn AYEHU	Tottori University	Developing ML-based models to estimate flood and sediment response time for tropical regions
SUN	Aiqi		CHINA	Maromitsu TSUKAMOTO	The University of Tokyo	Fujian Paintings in the Late Ming and Early Qing Periods and Their Arrival in Japan
ALBERY	Henry	John Hadwin	UNITED KINGDOM	Norihisa BABA	The University of Tokyo	A Study of Avadana Literature in Indian Buddhism.
KAMGAING	Olivier William	Towa	CAMEROON	Hirokazu YASUOKA	Kyoto University	Conditions for successful wild meat management in Central African forests

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Social sciences

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Family Name	First Name	Middle Name				
MOHAMMAD BAKHTIAR	Aishah	Binti	MALAYSIA	Jun OSHIMA	National University Corporation Shizuoka University	Regulation and Epistemic Actions in Time-constrained Teamwork
LUKACS	Gaspar		HUNGARY	Izumi MATSUDA	Aoyama Gakuin University	A Filtering Response Time Concealed Information Test for Searching for Relevant Items
CHAN	Ya-Hsun		TAIWAN	Toyomi ASANO	Waseda University	Discovering "Society" in Colonial Taiwan: discourses of "Empire" and its contemporary meanings
RAUT	Nirmal	Kumar	NEPAL	Ryuichi TANAKA	The University of Tokyo	Unconditional cash transfer and quality education: Panel data evidence from Nepal
BRESSON	Jonathan		FRANCE	Akira KURASHIMA	Kwansei Gakuin University	A comparative sociological study of emotion management in the martial arts

List of Fellows Selected through Open Recruitment in Japan

Mathematical and physical sciences

Fellow			Nationality	Host Researcher	Host Institution	Research Theme
Family Name	First Name	Middle Name				
XIAO	Dongyuan		CHINA	Kazuhiro ISHIGE	The University of Tokyo	Propagation phenomena and asymptotic behavior of solutions of reaction-diffusion systems
AHMADI	Tara		IRAN	Hiroshi TANABE	The University of Tokyo	Optimization of Ultra-High Power Reconnection Heating by Tokamak Merging Experiments and Simulations
WU	Xiaojun		CHINA	Shinichi MATSUMURA	Tohoku University	Studies of the structure of non-algebraic Kahler manifolds with non-negative curvature
ARJASAKUSUMA	Sanjiwana		INDONESIA	Naoto YOKOYA	The University of Tokyo	High Spatio-Temporal Resolution Deforestation Mapping with Satellite Constellation and Deep Learning
JING	Jiejun		CHINA	Yoshio KONO	Ehime University	Novel experimental constraints on the structure and composition of the lunar interior
KUMAR	Ankit		INDIA	Hajime SOTANI	RIKEN	Probing dark matter and exotic particle physics via gravitational waves from neutron star mergers
RAHMAN	Mostafizur		INDIA	Takahiro TANAKA	Kyoto University	Radiation backreaction and Environmental effects on the gravitational wave
JAYAWICKRAMA	Eranga	Gayanath	SRI LANKA	Ikuo KATAYAMA	Hiroshima University	Friction experiments to elucidate the off-fault damage effect on seismic velocity evolution
TRAN	Ngoc	Van	VIET NAM	Tsuyoshi NAKAYA	Kyoto University	Study of CP symmetry violation in accelerator neutrino oscillation experiments
CHAUDHURI	Arnab		INDIA	Kazunori KOHRI	High Energy Accelerator Research Organization	Probing Beyond Standard Model Physics with Gravitational Waves
GAUVAN	Anthony	Duy Tan	FRANCE	Neal BEZ	SAITAMA UNIVERSITY	Endpoint estimates for geometric maximal operators
AHAD	Abdul		INDIA	Toshiya IDEUE	The University of Tokyo	Exploration of Quantum geometric phenomena in two-dimensional materials by symmetry engineering

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Mathematical and physical sciences

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WU	Pin-Ying		TAIWAN	Takuya KAWABATA	Meteorological Research Institute(MRI), Japan Meteorological Agency	Study on Heavy Rainfall Mechanism by Mathematical and Data-Driven Approach Using Large Ensemble
LI	Shaoping		CHINA	Shinya KANEMURA	Osaka University	Creating the Baryon Asymmetry in the Universe via Dark Matter
MENCZEL	Paul	Fabian	GERMANY	Franco NORI	RIKEN	Thermodynamics of non-Markovian open quantum systems
TRIPATHI	Keshav	Ram	INDIA	Takeshi IMAMURA	The University of Tokyo	A study on the origin of the different ionospheric layers in the Venusian ionosphere
CAUCHI	Antonio		ITALY	Tadashi OCHIAI	Tokyo Institute of Technology	Algebraic cycles, endoscopy, and the Birch and Swinnerton-Dyer conjectures

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Chemistry

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Family Name	First Name	Middle Name				
DEBNATH	Bharati		INDIA	Kazuhiko MAEDA	Tokyo Institute of Technology	Design of Graphitic Carbon Nitride-Metal Complex Photocatalysts for Solar Carbon Dioxide Conversion
KIM	Hyung Suk		KOREA (REP. OF KOREA)	Chihaya ADACHI	Kyushu University	Clarification of RISC mechanism in TADF molecules and the development of advanced ones
PHILIPPE	Gregoire	Jean-Baptiste	FRANCE	Hiroaki SUGA	The University of Tokyo	U-body: A novel therapeutic strategy aiming to degrade proteins involved in diseases.
MAITY	Subarna		INDIA	Tatsuya TSUKUDA	The University of Tokyo	Tuning the Surface Plasmon Resonance of Gold Ultrathin Nanorod: The Role of Heterometal
ZHAO	Kexiang		CHINA	Tsuyoshi MICHINOBU	Tokyo Institute of Technology	Development of BN-embedded naphthalenediimides for high-performance n-type semiconducting polymers
RAJ	Ankit		INDIA	Koichi IWATA	Gakushuin University	How environments in thylakoid membrane affect electron transfer reactions of photosynthesis
PANG	Yue		CHINA	Zhaomin HOU	RIKEN	Dinitrogen functionalization enabled by low-valent rare-earth complexes
HEO	Do Yeon		KOREA (REP. OF KOREA)	Soshi IIMURA	National Institute for Materials Science	Artificial photosynthesis using hydride ion in semiconductor
SHI	Tanhao		CHINA	Tomoki OGOSHI	Kyoto University	A general way to selective-functionalized pillar[n]arenes and their supramolecular materials
WANG	Kaisheng		CHINA	Hiroshi SHINOKUBO	Nagoya University	Construction and functions of supramolecular polymers based on antiaromatic porphyrins
MEEKEL	Emily	Gabrielle	NETHERLANDS	Shuhei FURUKAWA	Kyoto University	Introducing complexity into metal-organic frameworks through low symmetry metal-organic polyhedra
WANG	Shaomin		CHINA	Satoshi HORIKE	Kyoto University	Fabrication of metallopolymer membranes for solution diffusion-based separation of olefins/paraffins

List of Fellows Selected through Open Recruitment in Japan

Engineering sciences

Fellow			Nationality	Host Researcher	Host Institution	Research Theme
Family Name	First Name	Middle Name				
ZHU	Jianfeng		CHINA	Qiang CHEN	Tohoku University	Research on Reconfigurable Intelligent Surface of Radio Wave
MENG	Qizhi		CHINA	Yukio TAKEDA	Tokyo Institute of Technology	Adaptive Intelligent Assistive Device Based on Human-device-environment Integrated Modeling
ZHAO	Wen		CHINA	Meiyong LIAO	National Institute for Materials Science	High-sensitivity and high-reliability diamond MEMS corrosive gas sensors
DEUTOU NEMALEU	Juvenal Giogetti		CAMEROON	Takafumi NOGUCHI	The University of Tokyo	Development of low-energy and sustainable building materials using earth materials from the tropics
RUAN	Haouu		CHINA	Akiko KUMADA	The University of Tokyo	Multi-scale interface design of composite insulation material based on fluorination
TUBEI	Valary	Jepkemboi	KENYA	Masaki TANAKA	Kyushu University	3D/4D investigation of fatigue damage evolution in DP steel with high-resolution X-ray tomography
SHARMA	Debojit		INDIA	Ryoichi KUROSE	Kyoto University	Elucidation and modelling of combustion dynamics of carbon free fuels and its blends with LPG
VANECEK	Vojtech		CZECH	Akira YOSHIKAWA	Tohoku University	Development of novel cross-luminescence scintillators for fast timing applications
AIT EL FAKIR	Abdellah		MOROCCO	Kenichi SHIMIZU	Hokkaido University	Development of novel CO ₂ hydrogenation catalysts using extrapolative machine learning
PHAM	Hong	Thi	VIET NAM	Fumiyuki NAKAJIMA	The University of Tokyo	Development of chronic sediment toxicity test for hatching resting crustacean eggs
BINGLER	Arnold		HUNGARY	Tetsuya UCHIMOTO	Tohoku University	Multi-scale electromagnetic modeling of carbon fiber reinforced plastics for eddy current testing
HE	Waner		CHINA	Tsuyoshi MICHINOBU	Tokyo Institute of Technology	High-Performance Organic Field-Effect Transistor Memories for Artificial Synapses and Photodetectors

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Engineering sciences

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Family Name	First Name	Middle Name				
BUTOLA	Mansi		INDIA	Ryoichi HORISAKI	The University of Tokyo	Robust and non-invasive imaging through scattering media
TANG	Yihua		CHINA	Suguru NODA	Waseda University	Creation of porous carbon with spatially controlled sodiophilicity for sodium metal batteries
ZHANG	Xudong		CHINA	Takeshi KATSUMI	Kyoto University	Elucidating mechanism of clogging of drains during vacuum preloading by DEM-LBM coupled modeling
YOO	KyungHyeon		KOREA (REP. OF KOREA)	Yuichi IKUHARA	The University of Tokyo	Fabrication of high performance ZrO ₂ ceramics based on the clarification of defect atomic structures
LEI	Xiaoming		CHINA	Tomonori NAGAYAMA	The University of Tokyo	Intelligent management of deteriorating network-level bridges with uncertainties and sensor data
SARKER	Md Shamim		BANGLADE SH	Hitoshi TABATA	The University of Tokyo	Research on Magnonics Contributing to Quantum Computation for Next-Generation Information Processing
QIU	Minghong		CHINA	Kohei NAGAI	The University of Tokyo	Performance Evaluation of UHPC Strengthening Corroded RC Structures using RBSM Simulation
THAKUR	Amrit Kumar		INDIA	Hirofumi DAIGUJI	The University of Tokyo	Development of nanoparticle decorated fabric and thermoelectric module arrays for solar desalination
BUATES	Jitrera		THAILAND	Toru WATANABE	Yamagata University	Rice cultivation with reclaimed wastewater, biochar, and water-saving irrigation
YADAV	Anuja	Arun	INDIA	Takeaki SAKURAI	University of Tsukuba	Development of solar-powered supercapacitor devices using tailored composite shared electrode
ZHU	Yue		CHINA	Yoshiaki YASUNO	University of Tsukuba	Spatiotemporal sub-resolution 4D computational-holographic microscopy for cellular activity imaging
JANCIK-PROCHAZKOVA	Anna		CZECH	Katsuhiko ARIGA	National Institute for Materials Science	Single atom modified nanorobots designed by nanoarchitectonics for environmental remediation

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JIA	Hongyuan		CHINA	Hideki KIKUMOTO	The University of Tokyo	Development and application of advanced modeling of CO2 footprint in the urban environment
HEMPELMANN	Jan		GERMANY	Fumiyasu OBA	Tokyo Institute of Technology	High-throughput study of vacancy-driven materials for development of chemical bonding descriptors
DIEGO	Michele		ITALY	Masahiro NOMURA	The University of Tokyo	Highly efficient quantum conversion optomechanical systems for quantum networks
HAO	Jiaying		CHINA	Tsutomu SHIMURA	The University of Tokyo	High-capacity holographic data storage based on deep learning
DING	Zhenghao		CHINA	Jia GUO	Kyoto University	Computational Intelligence based crack modeling and inspection under extreme temperatures variations
CAO	Jixing		CHINA	Chul-woo KIM	Kyoto University	Vision-based system identification of highway bridges in service or after earthquakes
KANG	Yunqing		CHINA	Yusuke YAMAUCHI	National Institute for Materials Science	Synthesis of mesoporous disordered metallic alloys
CHANTIPMANEE	Nattapong		THAILAND	Yan XU	Osaka Metropolitan University	Exploring unknown components inside single exosomes employing nanofluidic multiplexed profiling
YAN	Kongming		CHINA	Gonghui WANG	Kyoto University	Physics-based Risk Assessment for Long-runout Landslide in Tectonically Active Areas

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SUN	Liangjie		CHINA	Tatsuya AKUTSU	Kyoto University	Cell-type Specific Control Methods Using Single Cell Gene Expression Data
RAJABY	Ramesh		ITALY	Tetsuo SHIBUYA	The University of Tokyo	Toward the accurate large-scale structural variation detection by short read sequencers
WANG	Fan		CHINA	Tomoyoshi SHIMOBABA	Chiba University	Ultra fast polygon-based holograms for next generation 3D display

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Biological sciences

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Family Name	First Name	Middle Name				
HORVATH	Attila		HUNGARY	Ken-ichi NOMA	Hokkaido University	Elucidation of sister chromatid-specific gene regulatory mechanisms
HERNANDEZ REYES	Cesar	Augusto	MEXICO	Terufumi FUJIWARA	RIKEN	Neural circuit architectures that encode three-dimensional locomotor dynamics
VAN TOORN	Marvin		NETHERLANDS	Tomomi KIYOMITSU	Okinawa Institute of Science and Technology Graduate University	Cell cycle-dependent dynein adaptor switching
ABOOD	Steven	Anthony	U.S.A.	Hiroki OOTA	The University of Tokyo	A study of population genomics on the East Eurasian peopling history and the role of vitamin D
GAMANUT	Andrei-Razvan		ROMANIA	Kenji DOYA	Okinawa Institute of Science and Technology Graduate University	Control of cortical dynamics by the claustrum and its neuromodulation by serotonin

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Agriculture/Environmental sciences

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Family Name	First Name	Middle Name				
MANNACHARAJU	Mahesh		INDIA	Naoko OKIBE	Kyushu University	New hybrid-bioprocess for treatment and recycling of heavy metals
NGUYEN	Que	Ho	VIET NAM	Takamasa MORI	Hosei University	Development of a novel eco-friendly microplastic recovering technique by using natural biopolymer
DABA	Ghoson	Mosbah Abdelkarem	EGYPT	Takeshi ZENDO	Kyushu University	Bioengineering of species-specific bacteriocins in pursuit of enhancing their biological activities
PAL	Preeti		INDIA	Arata KIOKA	Kyushu University	Solving Residual Pesticides in Fruits and Vegetables by Novel Nanobubble Ozonation Technology
TABASSUM	Rehenuma		BANGLADESH	Naohiro AOKI	The University of Tokyo	Molecular factors involved in determining the size and shape of starch granules in rice endosperm
KELAVA	Samuel		CROATIA	Ryo NAKAO	Hokkaido University	Uncovering the genetic factors that contribute to invasiveness and pathogen transmission of ticks
LYU	Han		CHINA	Tetsuhiro WATANABE	Kyoto University	Unraveling temperature dependence of soil carbon decomposition based on its stabilization mechanisms
KULSHRESTHA	Akshay		INDIA	Kosuke KURODA	Kanazawa University	Biocompatible Zwitterionic Deep Eutectic Solvent for One-Pot Bioethanol Production
MONSHI	Fakhrul Islam		BANGLADESH	Toru FUJIWARA	The University of Tokyo	Characterization of novel genes for the development of low nutrient tolerant and mineral-rich rice
SHU	Lin-Jie		TAIWAN	Ken SHIRARU	RIKEN	Exploring the immune receptors of pathogen-derived fatty acid elicitors in Brassicaceae crops
JIANG	Mengqi		CHINA	Keisuke KOBAYASHI	Kyoto University	Investigating the mechanisms of aquatic nitrite accumulation using isotopic analysis
ZHANG	Shengnan		CHINA	Kohei KUBOTA	The University of Tokyo	Yeast symbionts of stag beetles and their degradation and fermentation functions of lignocellulose

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LIM	Qi Luan		MALAYSIA	Takashi HAYAKAWA	Hokkaido University	Gut microbiome, MHC and odor in tapirs towards improving captive breeding and reintroduction to wild
SHEN	Hao		CHINA	Wataru YAMORI	The University of Tokyo	Elucidating photosynthetic lag in fluctuating light and optimizing carbon balance model
FALAHUDIN	Dede		INDONESIA	Shin TAKAHASHI	Ehime University	Spatiotemporal trends, bioaccumulation and risk assessments of PFASs in Indonesian marine ecosystems
RHAMAN	Mohammad	Saidur	BANGLADESH	Yoshiyuki MURATA	Okayama University	Identification of reactive carbonyl species receptors that regulate stomatal movement
QI	Yuanzhi		CHINA	Hiroyuki MATSUZAKI	The University of Tokyo	Study on biogeochemical cycle of iodine using speciation analysis of iodine isotopes
MIA	Shamim		BANGLADESH	Tomoyuki MAKINO	Tohoku University	Mineral-biochar interactions on arsenic fixation in Japanese rice paddies
MOUNKAILA HAMANI	Abdoul Kader		NIGER	Tomoyuki TANAKA	Kyoto University	Identification of genetic and environmental factors to suppress chalky grain formation of rice
CAMAGNA	Maurizio		GERMANY	Daigo TAKEMOTO	Nagoya University	Diversification of biosynthetic pathways for phytoalexins in Solanaceae plants
NEANG	Sarin		CAMBODIA	Shiro MITSUYA	Nagoya University	Identifying genes functioning in salt removal in rice leaf sheath to enhance salt tolerance in rice

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Medicine dentistry and pharmacy

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Family Name	First Name	Middle Name				
KUMAR	Shashi	Nandar	INDIA	Gaku ICHIHARA	Tokyo University of Science	Epigenetic effect of polycyclic aromatic hydrocarbon exposure on neurodevelopment in offspring.
YAN	Chen		CHINA	Tao-sheng LI	NAGASAKI UNIVERSITY	The role of mitophagy in the reversal of senescent cancer stem cells
AL-OMARI	Farah	Ali Ibrahim	JORDAN	Takashi SAWASE	NAGASAKI UNIVERSITY	Determination of macrophage hierarchy in novel murine model of MRONJ-like lesions around implants
MALAWSKA	Katarzyna	Joanna	POLAND	Motomu KANAI	The University of Tokyo	Improvement and applications of tryptophan-selective bioconjugation
SUNARDI	Mukhamad		INDONESIA	Hideki ENOMOTO	Kobe University	Assessment of potential use of endogenous stem cells for treating congenital organ deficits
ISLAM	MD Sadequl		BANGLADESH	Kun ZOU	NAGOYA CITY UNIVERSITY	Novel functions of presenilin in ApoE secretion and brain amyloid clearance
WONGSO	Hendris		INDONESIA	Shozo FURUMOTO	Tohoku University	Research and development of next-generation tau PET probes based on novel molecular skeletons
PAN	Melvin	Man-Him	CANADA	Yoshihisa KOBAYASHI	National Cancer Center	Regulating RNA polymerase and novel cancer treatment
RASHWAN	Ahmed	Mohamed El Sayed	EGYPT	Yoshiya KAWAGUCHI	Kyoto University	Mechanistic Insight and Therapeutic Strategy for Diabetes with Insulin Mutation using Human iPSCs
ACHARJEE	Rajib		BANGLADESH	Kiyoshi KITA	NAGASAKI UNIVERSITY	Investigation of sulfide metabolism pathway from Schistosoma mansoni
HSIAO	Sui-Wen		TAIWAN	Masao DOI	Kyoto University	Elucidation of neural circuits responsible for integrated output of central clock by sparse labeling