

JSPS Postdoctoral Fellowship for Overseas Researcher

FY 2021 Mathematical and physical sciences

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
MCNEILL, L. O. AUSTRALIA	Towards multi-messenger studies on the tidal heating of white dwarf binaries	Kyoto University SETO, Naoki Assistant professor Graduate School of Science	Sep 29, 2021~ Sep 28, 2023	Kinki Kyoto
STOKES, A. H. AUSTRALIA	Developing a geometric theory of delay-differential Painleve equations: singularities, entropy and integrability	The University of Tokyo WILLOX, Ralph Professor Graduate School of Mathematical Sciences	Nov 18, 2021~ Nov 17, 2023	Kanto Tokyo
DINIZ, G. S. BRAZIL	Development of the standard theory for mysterious gamma-ray glows from thunderstorms	RIKEN ENOTO, Teruaki RIKEN Hakubi Team Leader Cluster for Pioneering Research, Extreme natural phenomena RIKEN Hakubi Research Team	Nov 1, 2021~ Oct 31, 2023	Kanto Saitama
GABORIAUD, J. CANADA	Study on Sklyanin-Heun operators and the Heun-Painleve correspondence	Kyoto University TSUJIMOTO, Satoshi Associate Professor Graduate School of Informatics	Sep 1, 2021~ Aug 31, 2023	Kinki Kyoto
GOWAN, E. J. CANADA	Impact of paleo-topography and ice sheet change on east Asian climate during the past 200,000 years	Kumamoto University TOMITA, Tomohiko Associate Professor Faculty of Advanced Science and Technology	Jun 29, 2021~ Jun 28, 2023	Kyushu Kumamoto
LEMAY, J. P. CANADA	CHARACTERIZATIONS OF TRACE MONADS	Kyoto University HASEGAWA, Masahito Professor Research Institute for Mathematical Sciences	Nov 28, 2021~ Nov 27, 2023	Kinki Kyoto
LI, W. CHINA	Precise evaluation of paleoenvironment based on molecular geochemistry of cerium	The University of Tokyo TAKAHASHI, Yoshio Professor Graduate School of Science	Nov 1, 2021~ Oct 31, 2023	Kanto Tokyo
WEI, H. CHINA	Freezing extra dimensions with higher-order curvature terms and its cosmological consequences	Rikkyo University KOBAYASHI, Tsutomu Professor College of Science	Apr 1, 2021~ Mar 31, 2023	Kanto Tokyo

YANG, L. CHINA	Size and luminosity distribution of distant galaxies	The University of Tokyo SILVERMAN, John Associate Professor Kavli Institute for the Physics and Mathematics of the Universe	Oct 1, 2021~ Sep 30, 2023	Kanto Chiba
ZHOU, S. CHINA	Cosmic inflation as a probe of high energy physics	Kobe University NOUMI, Toshifumi Assistant Professor Graduate School of Science	Sep 20, 2021~ Sep 19, 2023	Kinki Hyogo
VALENTA, J. CZECH	Study of anomalous magnetism in $d + f$ electron systems and its clarification using high pressure	National Institute for Materials Science TSUJII, Naohito Principal Researcher International Center for Materials Nanoarchitectonics	Sep 1, 2021~ Aug 31, 2023	Kanto Ibaraki
MENCZEL, P. F. GERMANY	Thermodynamics of Open Quantum Systems in the Non-Perturbative Regime	RIKEN NORI, Franco Chief Scientist Center for Pioneering Research	Mar 31, 2022~ Mar 30, 2024	Kanto Saitama
ELHASHASH, M. H. EGYPT	Galaxy Formation and Evolution: Connection between Galaxies and Hosting Clusters	Chiba University ISHIYAMA, Tomoaki Associate Professor Institute of Management and Information Technologies	Sep 1, 2031~ Aug 31, 2033	Kanto Chiba
BAHAMONDE-BELTRAN, S. A. SPAIN	Perturbation theory in metric-affine gravity and its applications.	Tokyo Institute of Technology YAMAGUCHI, Masahide Professor School of Science	Nov 1, 2021~ Oct 31, 2023	Kanto Tokyo
MEYER, M. FRANCE	Study of non-parametric reconstruction algorithms of gravitational wave for real-time detection	Osaka City University KANDA, Nobuyuki Professor Graduate School of Science	Jun 1, 2021~ May 31, 2023	Kinki Osaka
POINCLOUX, S. J. FRANCE	Bucky grains: a model system for elucidating interplay of extreme deformations and reconfigurations	The University of Tokyo TAKEUCHI, Kazumasa associate professor Graduate School of Science	Nov 1, 2021~ Oct 31, 2023	Kanto Tokyo
RICHIRT, J. M. FRANCE	Metabolic and morphologic adaptations of benthic foraminifera in oxygen depleted environments	JAMSTEC NOMAKI, Hidetaka Senior scientist X-star SUGAR	Sep 1, 2021~ Aug 31, 2023	Kanto Kanagawa

LYONS, T. P. UNITED KINGDOM	Magnon-phonon coupling in van der Waals interfaces and heterostructures	RIKEN OTANI, Yoshichika Team Leader Center for Emergent Matter Science (CEMS)	Oct 1, 2021~ Sep 30, 2023	Kanto Saitama
NEMES, G. HUNGARY	Resurgent theory in quantum mechanics and its applications	Tokyo Metropolitan University SHUDO, Akira Professor Graduate School of Science	Oct 1, 2021~ Sep 30, 2023	Kanto Tokyo
KARMAKAR, P. INDIA	Testing generalized space-time geometry with multimessenger observations of gravitational waves	The University of Tokyo NISHIZAWA, Atsushi Assistant Professor Research Center for the Early Universe, School of Science	Nov 29, 2021~ Nov 28, 2023	Kanto Tokyo
MONDAL, T. INDIA	Unified Solutions of Neutrino Mass, Dark Matter and Experimental Anomalies by Scalar Extension	Osaka University KANEMURA, Shinya Professor Graduate School of Science	Nov 1, 2021~ Oct 31, 2023	Kinki Osaka
PATRA, M. INDIA	Theoretical studies on quantum transport and manipulation of nanoscale systems	Kwansei Gakuin University WAKABAYASHI, Katsunori Professor School of Science and Technology	Apr 1, 2021~ Sep 2, 2021	Kinki Hyogo
ROY, S. INDIA	Physical model for slow earthquakes: nonlinear dynamics of fluid in subduction zones	Osaka University HATANO, Takahiro Professor Graduate School of Science	May 1, 2021~ Apr 30, 2023	Kinki Osaka
ADAMO, M. ITALY	Analytical properties of standard subspaces and reflection positivity in AQFT	The University of Tokyo KAWAHIGASHI, Yasuyuki Professor Graduate School of Mathematical Sciences	Nov 30, 2021~ Nov 29, 2023	Kanto Tokyo
DI FILIPPO, F. ITALY	Hunting physics beyond General Relativity with gravitational waves	Kyoto University MUKOHYAMA, Shinji Professor Yukawa Institute for Theoretical Physics	Nov 16, 2021~ Nov 15, 2023	Kinki Kyoto
SOLDA, G. ITALY	Partition ordinals in reverse mathematics	Tohoku University YOKOYAMA, Keita Professor Graduate School of Science	Nov 30, 2021~ Nov 29, 2023	Tohoku Miyagi

KIM, H. KOREA (REP. OF KOREA)	Study of electromagnetic wave and plasma interaction using new multi-satellites and ground stations	Nagoya University SHIOKAWA, Kazuo Professor Institute for Space-Earth Environmental Research	Apr 1, 2021~ May 8, 2021	Chubu Aichi
BATTSEREN, B. MONGOLIA	Analytic group properties that are von Neumann equivalence invariant.	Kyoto University OZAWA, Narutaka Professor Research Institute for Mathematical Sciences	Nov 1, 2021~ Oct 31, 2023	Kinki Kyoto
VAN DIJK, I. E. NETHERLANDS	TAKEIT - Uptake and precipitation of elements in foraminifera calcite	JAMSTEC TOYOFUKU, Takashi Senior Scientist Extra-Agency Science and Technology Avantgarde Research Sector	Nov 1, 2021~ Oct 31, 2023	Kanto Kanagawa
REGULA, B. POLAND	The source of quantum advantages: a unified approach to quantum resources of states and processes	The University of Tokyo MURAO, Mio Professor Graduate School of Science	Jul 25, 2021~ Jul 24, 2023	Kanto Tokyo
CHEN, W. TAIWAN	Quantum gravity phenomenology based on S-matrix program	Kobe University NOUMI, Toshifumi Assistant Professor Graduate School of Science	Oct 1, 2021~ Sep 30, 2023	Kinki Hyogo
BABICH, D. UKRAINE	Ultrafast science in strongly correlated systems	Tohoku University IWAI, Shinichiro Professor Graduate school of Science	Jun 15, 2031~ Jun 14, 2033	Tohoku Miyagi
MOORE, J. N. U.S.A.	One-Dimensional Heat Transport Dynamics in the Quantum Hall Edge Channels	Tohoku University YUSA, Go Professor Department of Physics	Apr 1, 2021~ Mar 31, 2023	Tohoku Miyagi
SCRIMSHAW, T. C. U.S.A.	Supersymmetric rigged configurations and crystals of affine super quantum groups	Osaka City University OKADO, Masato Professor Graduate School of Science	Sep 24, 2021~ Sep 23, 2023	Kinki Osaka
NGUYEN, T. H. VIET NAM	Chemical reactions of organosulfur molecules on cosmic dusts at very low temperatures	Hokkaido University WATANABE, Naoki Professor Institute of Low Temperature Science	Nov 1, 2021~ Oct 31, 2023	Hokkaido Hokkaido