

21st (FY2024) JSPS Prize recipients

| NAME                 | AFFILIATION   | RESEARCH TITLE   | URL<br>(as of December, 2024)   |
|----------------------|---|--|---|
| ISHIKAWA Mai         | Associate Professor, Graduate School of Law, Tohoku University  | Comparative Study on the Concept of Partnership and its Implications in the Regulation of Stock Corporations   | <a href="https://researchmap.jp/7000007522?lang=en">https://researchmap.jp/7000007522?lang=en</a>   |
| ITO Koichiro         | Professor, Harris School of Public Policy, The University of Chicago  | Economic Research on Global Environmental Problems   | <a href="http://www.koichiroito.com">www.koichiroito.com</a>  |
| ITOH Yuta            | Project Associate Professor, Interfaculty Initiative in Information Studies, The University of Tokyo  | Research on Computational Techniques for Augmenting and Enhancing Human Vision Capability  | <a href="https://researchmap.jp/yuta.itoh?lang=en">https://researchmap.jp/yuta.itoh?lang=en</a>   |
| INOUE Asuka          | Professor, Graduate School of Pharmaceutical Sciences, Tohoku University<br>Professor, Graduate School of Pharmaceutical Sciences, Kyoto University   | Integrated Understanding of Diverse Signaling of G-protein-coupled Receptors   | <a href="https://researchmap.jp/iaska?lang=en">https://researchmap.jp/iaska?lang=en</a>   |
| INOUE Daichi         | Professor, Graduate School of Medicine and Frontier Biosciences, Osaka University   | Elucidation of the Mechanisms Underlying Cancer Development via Aberrant Post-transcriptional Regulation   | <a href="https://www.fbri-kobe.org/english/laboratory/research5/">https://www.fbri-kobe.org/english/laboratory/research5/</a>                                     |
| IRIE Naoko           | Principal Investigator, Metabolic Systems Laboratory, Bioimaging Center, Central Institute for Experimental Medicine and Life Science (CIEM)  | Research on Human Early Germline Development   | <a href="https://researchmap.jp/irienaoko3?lang=en">https://researchmap.jp/irienaoko3?lang=en</a>   |
| OMATA RAPPO Hitomi   | Program-Specific Associate Professor, Hakubi Center / Institute for Research in Humanities, Kyoto University  | Analyzing the Historical Process Behind the Formation and Dissemination of Representations of the Japanese (Particularly Martyrs) in the Catholic Cultural Sphere from the Early Modern to Modern Period | <a href="https://researchmap.jp/HitomiOmataRappo?lang=en">https://researchmap.jp/HitomiOmataRappo?lang=en</a>   |
| KUREBAYASHI Hidekazu | Professor, Faculty of Engineering and Mathematical & Physical Sciences, University College London<br>Specially Appointed Visiting Professor, Advanced Institute for Materials Research, Tohoku University                   | Materials Science and Device Physics on the Topic of the Spin-orbit Interaction and Magnetism  | <a href="http://www.ucl.ac.uk/spintronics">http://www.ucl.ac.uk/spintronics</a>   |
| KOGA Hirotaka        | Associate Professor, SANKEN, Osaka University   | Interdisciplinary Functional Development Research on Biomass Materials for Green Materials Innovation  | <a href="http://kogahirota.com/english/self-introduction">http://kogahirota.com/english/self-introduction</a>   |
| KOYAMA Motomichi     | Associate Professor, Institute for Materials Research, Tohoku University  | Designing Long-life High-strength Alloys by Controlling Crack and Lattice Defect Behavior  | <a href="https://researchmap.jp/highmnsteel?lang=en">https://researchmap.jp/highmnsteel?lang=en</a>   |
| SAKAI Takamasa       | Professor, Graduate School of Engineering, The University of Tokyo  | Study on the Structure-Function Relationship of Gels and Their Medical Applications  | <a href="https://researchmap.jp/read0123580?lang=en">https://researchmap.jp/read0123580?lang=en</a>   |
| SAKAI Nami           | Chief Scientist, Cluster for Pioneering Research, RIKEN   | Chemical Diversity in Star and Planet Forming Regions and Its Evolution  | <a href="https://researchmap.jp/namisakai?lang=en">https://researchmap.jp/namisakai?lang=en</a>   |
| TAKEI Kuniharu       | Professor, Faculty of Information Science and Technology, Hokkaido University   | Development of Smart Flexible Sensor System  | <a href="https://www.ist.hokudai.ac.jp/labo/nano/en/">https://www.ist.hokudai.ac.jp/labo/nano/en/</a>   |
| TERAO Chikashi       | Team leader, RIKEN Center for Integrative Medical Sciences<br>Chief in Immunology Research, Clinical Research Center, Shizuoka General Hospital<br>Professor, The School of Pharmaceutical Sciences, University of Shizuoka | Development of Genome Polymorphism Analysis Methods Toward Clinical Applications   | <a href="https://c-teraolab.com/">https://c-teraolab.com/</a>   |
| HASHIMOTO Eri        | Associate Professor, College of Art, Rikkyo University  | Ethnographic Study on the Dynamic Formation of a Multi-layered Historical Consciousness in Conflict Areas in Africa  | <a href="https://researchmap.jp/hashimoto_eri?lang=en">https://researchmap.jp/hashimoto_eri?lang=en</a>   |
| HARA Yuko            | Associate Professor, School of Engineering, Institute of Science Tokyo  | Design and Development of Reliable and Low-power Embedded Systems  | <a href="https://sites.google.com/view/yukohara/home">https://sites.google.com/view/yukohara/home</a>   |
| HIRUTA Kei           | Lecturer, World Language and Society Education Center, Tokyo University of Foreign Studies  | An Integrated Approach to Totalitarianism  | <a href="https://www.tufs.ac.jp/research/researcher/people/english/hiruta_kei.html">https://www.tufs.ac.jp/research/researcher/people/english/hiruta_kei.html</a> |
| FUJITA Kento         | Associate Professor, Faculty of Sciences, Osaka University  | Study on the K-stability of Fano Varieties   | <a href="http://www.math.sci.osaka-u.ac.jp/eng/staff_fujita.html">http://www.math.sci.osaka-u.ac.jp/eng/staff_fujita.html</a>                                     |
| FURUYA Shinichi      | Research Director, Tokyo Research, Sony Computer Science Laboratories Inc.  | Interdisciplinary Study on Supporting Skill Acquisition in Performing Art and Treatment of Diseases Caused by Overtraining   | <a href="https://www.neuropiano.org/mep/en">https://www.neuropiano.org/mep/en</a>   |
| MARUYAMA Mihoko      | Professor, Graduate School of Engineering, Osaka University   | Elucidation of the Crystal Growth Mechanism of Biominerals for the Development of Novel Technology to Control Crystallization of Organic Materials   | <a href="https://researchmap.jp/marumarumi?lang=en">https://researchmap.jp/marumarumi?lang=en</a>   |
| MURAYAMA Yasuto      | Associate Professor, Department of Chromosome Science, National Institute of Genetics, Research Organization of Information and Systems   | Biochemical Study of the Molecular Basis Ensuring Faithful Chromosome Segregation  | <a href="https://murayamalab-chromosomebiochem.jimdo.com/english-1/">https://murayamalab-chromosomebiochem.jimdo.com/english-1/</a>                               |
| YASUDA Nina          | Professor, Graduate School of Agricultural and Life Sciences, The University of Tokyo   | Research on the Conservation of Marine Ecosystems, in Particular Coral Reef Ecosystems, using an Integrated Approach   | <a href="https://researchmap.jp/nina?lang=en">https://researchmap.jp/nina?lang=en</a>   |
| YANAI Nobuhiro       | Professor, Graduate School of Science, The University of Tokyo  | Development of Photo- and Spin-Functional Materials Based on the Control of Excited Triplet States   | <a href="https://sites.google.com/view/nobuhiroyanai/">https://sites.google.com/view/nobuhiroyanai/</a>   |
| YAMADA Takayuki      | Associate Professor, Graduate School of Engineering, The University of Tokyo  | Topology Optimization Method and its Development   | <a href="https://www.mid.t.u-tokyo.ac.jp/en/">https://www.mid.t.u-tokyo.ac.jp/en/</a>   |
| YAMADA Yosuke        | Professor, Graduate School of Biomedical Engineering, Graduate School of Medicine, Tohoku University  | Environmental and Lifestyle Factors Contributing to Water Turnover and Energy Expenditure  | <a href="https://researchmap.jp/y.yamada?lang=en">https://researchmap.jp/y.yamada?lang=en</a>   |

Titles and affiliations current as of 1 December 2024

20th (FY2023) JSPS Prize recipients

| NAME              | AFFILIATION   | RESEARCH TITLE  | URL<br>(as of December, 2023)   |
|-------------------|---|---|---|
| IIZUMI Toshichika | Principal Scientist, Institute for Agro-Environmental Sciences, National Agriculture and Food Research Organization   | Assessing Climate Change Impacts and Adaptation in Global Agricultural Production   | <a href="https://www.researchgate.net/profile/Toshichika-Iizumi">https://www.researchgate.net/profile/Toshichika-Iizumi</a>       |
| ITO Yoshikazu     | Associate Professor, Faculty of Pure and Applied Sciences, Vice Director, R&D Center for Zero CO2 Emission with Functional Materials, University of Tsukuba   | Creations of New Graphene Applications Using 3D Porous Graphene   | <a href="https://www.u.tsukuba.ac.jp/~ito.yoshikazu.gan/index.html">https://www.u.tsukuba.ac.jp/~ito.yoshikazu.gan/index.html</a> |
| IRIE Kei          | Associate Professor, Research Institute for Mathematical Sciences, Kyoto University   | Study on Contact Geometry, Symplectic Geometry and String Topology  | <a href="https://www.kurims.kyoto-u.ac.jp/en/list/irie.html">https://www.kurims.kyoto-u.ac.jp/en/list/irie.html</a>               |
| OHTSUKI Hisashi   | Associate Professor, Research Center for Integrative Evolutionary Science, The Graduate University for Advanced Studies, SOKENDAI   | Theoretical Study on Evolutionary Origin of Human Sociality   | <a href="https://rcies.soken.ac.jp/labs/ohtsuki/index_e.html">https://rcies.soken.ac.jp/labs/ohtsuki/index_e.html</a>             |
| OHMIYA Hirohisa   | Professor, Institute for Chemical Research, Kyoto University  | Development of Organocatalysis Induced by Single-Electron Transfer and its Application to Precise Control of Radical-Mediated Covalent-Bond Formation | <a href="https://www.fos.kuicr.kyoto-u.ac.jp/eng/">https://www.fos.kuicr.kyoto-u.ac.jp/eng/</a>                                   |
| ONODA Fuko        | Project Assistant Professor, Graduate School of Humanity, Osaka University, Research Fellow, National Institutes for the Humanities, Center for Innovative Research   | Research on Swahili Authors and on the Developmental History and Social Functions of Swahili Poetry   | <a href="https://researchmap.jp/onodafuko?lang=en">https://researchmap.jp/onodafuko?lang=en</a>                                   |
| KATAOKA Keisuke   | Professor, Keio University School of Medicine, Chief, Division of Molecular Oncology, National Cancer Center Research Institute   | Elucidation of Molecular and Genetic Basis of Carcinogenesis through Advanced Genomic Approaches  | <a href="https://researchmap.jp/7000009490?lang=en">https://researchmap.jp/7000009490?lang=en</a>                                 |
| KOHDA Makoto      | Professor, School of Engineering, Tohoku University   | Spin-orbit Interaction and Persistent Spin Helix State in Semiconductor Heterostructures  | <a href="https://researchmap.jp/7000003437?lang=en">https://researchmap.jp/7000003437?lang=en</a>                                 |
| SAITO Kazuya      | Professor, Institute of Education, University College London  | Linguistic, Educational, and Neurocognitive Dimensions of Second Language Acquisition   | <a href="https://kazuyasaito.net/">https://kazuyasaito.net/</a>   |
| SAKAI Tomoko      | Associate Professor, Institute for Research in Humanities, Kyoto University   | An Anthropological Study of Experiences and Memories of Conflict and Disaster: A Focus on Physical and Everyday Aspects                               | <a href="https://researchmap.jp/tomoko_sakai?lang=en">https://researchmap.jp/tomoko_sakai?lang=en</a>                             |
| SHINTAKE Jun      | Associate Professor, Graduate School of Informatics and Engineering, The University of Electro-Communications   | Development of Soft Robotic Functional Materials  | <a href="https://www.shintakelab.net/">https://www.shintakelab.net/</a>   |
| SERIZAWA Ai       | Professor, Department of Materials Science and Engineering, Shibaura Institute of Technology  | Super Eco-Friendly Steam-Derived Multifunctionalization of Aluminum Alloys  | <a href="https://researchmap.jp/aiserizawa?lang=en">https://researchmap.jp/aiserizawa?lang=en</a>                                 |
| DANI Keshav       | Professor, Femtosecond Spectroscopy Unit, Okinawa Institute of Science and Technology Graduate University   | Imaging Optically Excited Phenomena in Real and Momentum Space  | <a href="https://www.oist.jp/research/keshav-m-dani">https://www.oist.jp/research/keshav-m-dani</a>                               |
| TANJI Haruka      | Associate Professor, Institute for Laser Science, The University of Electro-Communications  | Quantum Control of Atoms and Photons with an Optical Resonator  | <a href="https://researchmap.jp/TanjiHaruka?lang=en">https://researchmap.jp/TanjiHaruka?lang=en</a>                               |
| QI Yabing         | Professor, Energy Materials and Surface Sciences Unit, Okinawa Institute of Science and Technology Graduate University  | Surface Science Investigations on Perovskite Materials for Developing High Performance Solar-Cell Technologies  | <a href="https://groups.oist.jp/emssu">https://groups.oist.jp/emssu</a>   |
| NAGAYA Naonori    | Associate Professor, Graduate School of Humanities and Sociology, The University of Tokyo   | Linguistic Typology of Austronesian Languages of the Philippines and Indonesia  | <a href="https://sites.google.com/site/naonorinagaya/">https://sites.google.com/site/naonorinagaya/</a>                           |
| NARITA Norio      | Professor, Graduate School of Arts and Sciences, The University of Tokyo  | Observational Studies and Instrument Development for Transiting Exoplanets  | <a href="https://researchmap.jp/read0123381?lang=en">https://researchmap.jp/read0123381?lang=en</a>                               |
| NISHIMOTO Shinji  | Professor, Graduate School of Frontier Biosciences, Osaka University  | Modeling and Decoding of Internal Representations in the Brain  | <a href="https://www.fbs.osaka-u.ac.jp/en/research_group/detail/25">https://www.fbs.osaka-u.ac.jp/en/research_group/detail/25</a> |
| NUMATA Keiji      | Professor, Graduate School of Engineering, Kyoto University, Team Leader, Biomacromolecules Research Team, RIKEN Center for Sustainable Resource Science  | Photosynthetic Organisms-Mediated Biosynthesis and Hierarchical Material Design of Structural Proteins  | <a href="http://pixy.polym.kyoto-u.ac.jp/index_en.html">http://pixy.polym.kyoto-u.ac.jp/index_en.html</a>                         |
| FUKAYA Hidenori   | Assistant professor, School of Science, Osaka University  | Investigation of Topology of Gauge Theory with Domain-Wall Fermion  | <a href="https://researchmap.jp/hfukaya?lang=en">https://researchmap.jp/hfukaya?lang=en</a>                                       |
| FUJII Sota        | Associate Professor, Graduate School of Agricultural and Life Sciences, The University of Tokyo   | Studies on Molecular Mechanisms of Inter- and Intra-species Reproductive Barriers in Plants   | <a href="https://www.researchgate.net/profile/Sota-Fujii">https://www.researchgate.net/profile/Sota-Fujii</a>                     |
| MAEKAWA Takuya    | Associate Professor, Graduate School of Information Science and Technology, Osaka University  | Artificial Intelligence for Real World Recognition and its Application to Animal Behavior Analysis and Anomaly Detection                              | <a href="https://t-m-comp.github.io/maekawa/index-e.html">https://t-m-comp.github.io/maekawa/index-e.html</a>                     |
| MASUDA Takahiro   | Professor, Medical Institute of Bioregulation, Kyushu University  | Multifaceted Research for Integrated Understanding of CNS Macrophages   | <a href="https://researchmap.jp/takahiro_masuda?lang=en">https://researchmap.jp/takahiro_masuda?lang=en</a>                       |
| YACHIE Nozomu     | Professor, School of Biomedical Engineering, The University of British Columbia, Specially Appointed Professor, Premium Research Institute for Human Metaverse Medicine, Osaka University, Visiting Professor, Research Center for Advanced Science and Technology, The University of Tokyo | Development of Cell Lineage Tracing Technology by Genome Editing and Constructing an Informatics Platform   | <a href="https://yachie-lab.org/">https://yachie-lab.org/</a>   |
| YAMASHITA Takuro  | Professor, Osaka School of International Public Policy, Osaka University  | Theory of Design of Economic Mechanisms and Information, and its Applications to Analyses of Auctions, Markets, and Organizations                     | <a href="https://sites.google.com/view/takuroyamashita/">https://sites.google.com/view/takuroyamashita/</a>                       |

Titles and affiliations current as of 1 December 2023

19th (FY2022) JSPS Prize recipients

| NAME                | AFFILIATION   | RESEARCH TITLE   | URL<br>(as of December, 2022)   |
|---------------------|---|--|---|
| IGARASHI Kei        | Associate Professor, School of Medicine, University of California, Irvine   | Neural Circuit Mechanisms of Associative Memory in Health and their Functional Abnormality in Dementia   | <a href="http://www.igarashilab.org/keigarashi">http://www.igarashilab.org/keigarashi</a>   |
| ITO Asa             | Director, Future of Humanity Research Center, Institute of Innovative Research, Professor, Institute for Liberal Arts, Tokyo Institute of Technology                      | Qualitative Research on Physical Sensation of People with Disabilities and Study of the Nature of Altruistic Care  | <a href="https://asaito.com/research/">https://asaito.com/research/</a>   |
| INOUE Shigeyoshi    | Professor, Department of Chemistry, Technical University of Munich  | Studies on Low-Coordinate Organosilicon and Aluminum Compounds and their Applications  | <a href="https://www.ch.nat.tum.de/si/home/">https://www.ch.nat.tum.de/si/home/</a>   |
| IWAI Daisuke        | Associate Professor, Graduate School of Engineering Science, Osaka University   | Reproduction and Control of Physical Surface Texture Using Projection Mapping  | <a href="https://researchmap.jp/daisukeiwai/?lang=en">https://researchmap.jp/daisukeiwai/?lang=en</a>                                   |
| UEDA Minako         | Professor, Graduate School of Life Sciences, Tohoku University  | Spatiotemporal Dynamics and Molecular Mechanisms of Plant Morphogenesis Initiated by Fertilization   | <a href="http://www.lifesci.tohoku.ac.jp/PlantCellDyn/?lang=en">http://www.lifesci.tohoku.ac.jp/PlantCellDyn/?lang=en</a>               |
| KATO Yuichiro       | Chief Scientist, Cluster for Pioneering Research, Team Leader, Center for Advanced Photonics, RIKEN   | Development of Carbon Nanotube Atomically Defined Technology and Application to Carbon Nanotube Quantum Photonic Devices   | <a href="https://katogroup.riken.jp/en/">https://katogroup.riken.jp/en/</a>   |
| KITAJIMA Tomoya     | Team Leader / Deputy Director, Center for Biosystems Dynamics Research, RIKEN   | Study of Chromosome Segregation Errors in Mammalian Oocytes  | <a href="http://chromosegr.riken.jp/index_en.html">http://chromosegr.riken.jp/index_en.html</a>   |
| KOMIYA Michiko      | Research Associate, Graduate School of Humanities and Sociology and The Faculty of Letters, The University of Tokyo   | An Empirical Study of the History of Russian Literature in the Early Soviet Period Based on the Elucidation of Generative Processes of Yury Olesha's <i>Envy</i> . | <a href="https://researchmap.jp/michiko-komiya">https://researchmap.jp/michiko-komiya</a>   |
| Benoît COLLINS      | Professor, Graduate School of Science, Kyoto University   | Free Probability and its Application to Random Matrices  | <a href="https://www.math.kyoto-u.ac.jp/~collins/">https://www.math.kyoto-u.ac.jp/~collins/</a>   |
| KONDO Ayako         | Professor, Institute of Social Science, The University of Tokyo   | Empirical Analysis of Youth and Elderly Labor Markets and Public Policy Evaluation   | <a href="https://www.iss.u-tokyo.ac.jp/mystaff/akondo_e.html">https://www.iss.u-tokyo.ac.jp/mystaff/akondo_e.html</a>                   |
| SATO Kei            | Professor, The Institute of Medical Science, The University of Tokyo  | Establishment of System Virology for Unraveling the Principles of Battles and Symbiosis between Viruses and Hosts  | <a href="https://www.ims.u-tokyo.ac.jp/SystemsVirology/eng-index.html">https://www.ims.u-tokyo.ac.jp/SystemsVirology/eng-index.html</a> |
| SANNOMIYA Takumi    | Associate Professor, School of Materials and Chemical Technology, Tokyo Institute of Technology   | Phase Extraction and Wavefront Control of Accelerated Electrons and Light  | <a href="http://www.sannomiya.iem.titech.ac.jp">http://www.sannomiya.iem.titech.ac.jp</a>   |
| SEKINE Yasuhito     | Professor, Earth-Life Science Institute, Tokyo Institute of Technology  | Study of the Atmospheres, Oceans, and Habitability of Icy Bodies in the Solar System   | <a href="https://www.elsi.jp/en/members/researchers/ysekine/">https://www.elsi.jp/en/members/researchers/ysekine/</a>                   |
| TAKAHASHI Kazunori  | Associate Professor, School of Engineering, Tohoku University   | Studies on Plasma Dynamics in Magnetic Nozzles and Space Propulsion  | <a href="https://researchmap.jp/7000005535?lang=en">https://researchmap.jp/7000005535?lang=en</a>                                       |
| NOTAGUCHI Michitaka | Associate Professor, Bioscience and Biotechnology Center, Nagoya University   | Study on Systemic Signaling in Plants and Grafting   | <a href="http://bbc.agr.nagoya-u.ac.jp/~graft/index2.html">http://bbc.agr.nagoya-u.ac.jp/~graft/index2.html</a>                         |
| BAJI Tomohito       | Associate Professor, Graduate School of Arts and Sciences, The University of Tokyo  | Empire and International Order in the History of Political Thought   | <a href="https://researchmap.jp/baji?lang=en">https://researchmap.jp/baji?lang=en</a>   |
| HANADA Nobuko       | Assistant Professor, Faculty of Science and Engineering, Waseda University  | Improvement of Reaction Rate of High Capacity Hydrogen Storage Materials and Development of Hydrogen Storage and Supply Processes                                  | <a href="https://researchmap.jp/nhanada?lang=en">https://researchmap.jp/nhanada?lang=en</a>   |
| FUKAMI Shunsuke     | Professor, Research Institute of Electrical Communication, Tohoku University  | New-functional Spintronics Devices and their Application to Unconventional Computing   | <a href="http://www.spin.riec.tohoku.ac.jp/en/">http://www.spin.riec.tohoku.ac.jp/en/</a>   |
| FUJII Keisuke       | Professor, Graduate School of Engineering Science, Center for Quantum Information and Quantum Biology, Osaka University, Team leader, Center for Quantum Computing, RIKEN | Pioneering Research on Quantum Computing Theory and Quantum Software for the Realization of Quantum Computers  | <a href="https://quantphys.org/wp/qinfp/en/">https://quantphys.org/wp/qinfp/en/</a>   |
| FUJIMORI Shinichiro | Associate Professor, Graduate School of Engineering, Kyoto University   | Development of Novel Integrated Assessment Model to Explore Long-term Socioeconomic Decarbonization Scenarios  | <a href="https://sites.google.com/athehost.env.kyoto-u.ac.jp/eng">https://sites.google.com/athehost.env.kyoto-u.ac.jp/eng</a>           |
| HORIKE Satoshi      | Associate Professor, Institute for Advanced Study, Kyoto University   | Synthesis and Functional Design of Coordination Polymer Glasses  | <a href="https://researchmap.jp/SH268350?lang=en">https://researchmap.jp/SH268350?lang=en</a>   |
| MAENO Kotaro        | Senior Researcher, Crop, Livestock and Environment Division, Japan International Research Center for Agricultural Sciences  | Development of Control Techniques for the Desert Locusts in Africa   | <a href="https://researchmap.jp/175?lang=en">https://researchmap.jp/175?lang=en</a>   |
| MIYAMA Emily        | JSPS Research Fellow for Young Scientists (PD)  | Elucidating the Maritime Networks in Prehistoric Southeast Asia from the Perspective of Ear Ornaments  | <a href="https://researchmap.jp/miyama_emily?lang=en">https://researchmap.jp/miyama_emily?lang=en</a>                                   |
| MURAYAMA Masanori   | Team Leader, Center for Brain Science, RIKEN  | Identification of Cortical Circuits for Sensory Perception and Memory Consolidation, and Development of a Novel Method for Visualizing Circuit Dynamics in Vivo    | <a href="https://researchmap.jp/murayama?lang=en">https://researchmap.jp/murayama?lang=en</a>   |
| YAMAZAKI Masahito   | Professor, Kavli Institute for the Physics and Mathematics of the Universe, The University of Tokyo   | Study of Integrable Models Using Supersymmetric Quiver Gauge Theories and the 4-dimensional Chern-Simons Theory  | <a href="https://member.ipmu.jp/masahito.yamazaki/index.shtml">https://member.ipmu.jp/masahito.yamazaki/index.shtml</a>                 |

Titles and affiliations current as of 1 December 2022

## 18th (FY2021) JSPS Prize recipients

| NAME              | AFFILIATION  | RESEARCH TITLE  | URL<br>(as of December, 2021)   |
|-------------------|--|---|---|
| AMANO Tatsuya     | Australian Research Council Future Fellow, School of Biological Sciences, The University of Queensland   | Assessment of Global Biodiversity with Special Focuses on National Governance and Information Gaps in Language and Research | <a href="https://scholar.google.com/citations?hl=en&amp;user=fDUWjCgAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=fDUWjCgAAAAJ</a>                         |
| ISHIZAKA Kyoko    | Professor, School of Engineering, The University of Tokyo  | Study on Non-Equilibrium Condensed Matters by Utilizing Photoelectrons in Multiple Dimensions                               | <a href="http://ishizaka.t.u-tokyo.ac.jp/index_eng.htm">http://ishizaka.t.u-tokyo.ac.jp/index_eng.htm</a>   |
| ISHIDA Sachiko    | Associate Professor, School of Science and Technology, Meiji University  | Design and Mechanical Functions of Origami-Based Deployable Structures  | <a href="https://researchmap.jp/sachi7?lang=en">https://researchmap.jp/sachi7?lang=en</a>   |
| WEI Fan Yan       | Professor, Institute of Development, Aging and Cancer, Tohoku University   | Exploring the Role of RNA Modifications in Health and Disease   | <a href="https://www.modomics-medicine.com/">https://www.modomics-medicine.com/</a>   |
| OKA Takashi       | Professor, The Institute for Solid State Physics, The University of Tokyo  | Theory of Dynamical Control of Quantum Materials  | <a href="https://www.issp.u-tokyo.ac.jp/maincontents/organization/labs/oka_group.html">https://www.issp.u-tokyo.ac.jp/maincontents/organization/labs/oka_group.html</a> |
| KITAGAWA Daiju    | Professor, Graduate School of Pharmaceutical Sciences, The University of Tokyo   | Elucidation and Theorization of Basic Principles of Centriole Duplication   | <a href="https://seirikagaku.f.u-tokyo.ac.jp">https://seirikagaku.f.u-tokyo.ac.jp</a>   |
| KUMAKURA Wakako   | Assistant Professor, Institute for Languages and Cultures of Asia and Africa, Tokyo University of Foreign Studies  | Nile Irrigation and Land System in the Transition Period from Medieval to Early Modern Egypt                                | <a href="https://researchmap.jp/kumakurawakako?lang=en">https://researchmap.jp/kumakurawakako?lang=en</a>   |
| KUWAMURA Yumiko   | Professor, Graduate School of Law, Tohoku University   | Comparative Study on a New Framework of Protection Law and Regulations for Diversified Workforce                            | <a href="https://researchmap.jp/tohoku07?lang=en">https://researchmap.jp/tohoku07?lang=en</a>   |
| SHIBATA Kazuhisa  | Team leader, Center for Brain Science, RIKEN   | Mechanisms of Perceptual and Cognitive Changes Induced by Real-Time Decoded Neurofeedback                                   | <a href="https://researchmap.jp/kazuhisa_shibata?lang=en">https://researchmap.jp/kazuhisa_shibata?lang=en</a>   |
| SUGIURA Shinya    | Associate Professor, Institute of Industrial Science, The University of Tokyo  | Research on Wireless Communication System through Advanced Signal Processing  | <a href="https://researchmap.jp/sugiura?lang=en">https://researchmap.jp/sugiura?lang=en</a>   |
| TADAKUMA Kenjiro  | Associate Professor, Tough Cyberphysical AI Research Center, The Graduate School of Information Sciences, Tohoku University  | Research and Development on Omnidirectional Driving Robotic Mechanisms Using Spherical Structure as Technological Core      | <a href="https://www.rm.is.tohoku.ac.jp/~tadakuma/">https://www.rm.is.tohoku.ac.jp/~tadakuma/</a>   |
| TANIGUCHI Yuichi  | Professor, Kyoto University Institute for Advanced Study; Team Leader, Center for Biosystems Dynamics Research, RIKEN  | Developing Technologies for Molecular- and Systems-Level Elucidation of Gene Expressions                                    | <a href="https://taniguchi.icems.kyoto-u.ac.jp/en">https://taniguchi.icems.kyoto-u.ac.jp/en</a>   |
| TSUKAZAKI Atsushi | Professor, Institute for Materials Research, Tohoku University   | Exploration of Topological Phenomena in Thin Films and Interfaces   | <a href="https://researchmap.jp/read0134559?lang=en">https://researchmap.jp/read0134559?lang=en</a>   |
| NAGANAWA Norihiro | Professor, Slavic-Eurasian Research Center, Hokkaido University; Professor, Institute for Languages and Cultures of Asia and Africa, Tokyo University of Foreign Studies | Explorations in Entanglements of Russia's Empire and the Muslim World   | <a href="https://hokudai.academia.edu/NorihiroNaganawa">https://hokudai.academia.edu/NorihiroNaganawa</a>   |
| NANGO Eriko       | Professor, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University   | Molecular Movie Analysis of Proteins Using X-Ray Free Electron Laser  | <a href="http://www2.tagen.tohoku.ac.jp/lab/nango/html/en/index.html">http://www2.tagen.tohoku.ac.jp/lab/nango/html/en/index.html</a>                                   |
| NODA Koji         | Associate Professor, Institute for Cosmic Ray Research, The University of Tokyo  | Study of Very High Energy Gamma Ray Emission from Gamma Ray Bursts  | <a href="https://www.icrr.u-tokyo.ac.jp/~nodak/eng.html">https://www.icrr.u-tokyo.ac.jp/~nodak/eng.html</a>   |
| HATAKEYAMA Takuji | Professor, Graduate School of Science and Technology, Kwansai Gakuin University  | Development of Next-generation Organic Electroluminescence Materials  | <a href="https://researchmap.jp/takujihatakeyama?lang=en">https://researchmap.jp/takujihatakeyama?lang=en</a>   |
| HOSHINO Ayuko     | Associate Professor, Department of Life Science and Technology, Tokyo Institute of Technology  | Elucidation of Mechanism of Exosome-Mediated Metastasis in Cancer   | <a href="https://hoshinolab-edu.com/">https://hoshinolab-edu.com/</a>   |
| MUROOKA Takeshi   | Associate Professor, Osaka School of International Public Policy, Osaka University   | Behavioral Industrial Organization with Applications to Competition Policy and Consumer Protection Policy                   | <a href="https://researchmap.jp/takeshimurooka?lang=en">https://researchmap.jp/takeshimurooka?lang=en</a>   |
| MORI Akira        | Professor, Faculty of Environment and Information Sciences, Yokohama National University   | Studies on Ecosystem Functions and Services of Biodiversity in Plant Communities  | <a href="http://akkym.net/">http://akkym.net/</a>   |
| YASUDA Takehiko   | Professor, Graduate School of Science, Osaka University  | Creation of The Wild McKay Correspondence Theory and Its Application to The Study of Singularities                          | <a href="http://www4.math.sci.osaka-u.ac.jp/~takehikoyasuda/">http://www4.math.sci.osaka-u.ac.jp/~takehikoyasuda/</a>   |
| YAMAZAKI Satoshi  | Professor, Faculty of Medicine, University of Tsukuba; Project Associate Professor, The Institute of Medical Science, The University of Tokyo                            | Development of Hematopoietic Stem Cell Ex Vivo Expansion  | <a href="https://www.md.tsukuba.ac.jp/basic-med/sct/">https://www.md.tsukuba.ac.jp/basic-med/sct/</a>   |
| YAMADA Teppei     | Professor, Graduate School of Science, The University of Tokyo   | Creation of Thermocell Using Thermo-Responsive Molecular Science  | <a href="https://inorg.chem.s.u-tokyo.ac.jp/">https://inorg.chem.s.u-tokyo.ac.jp/</a>   |
| YAMANAKA Naoki    | Associate Professor, Department of Entomology, University of California, Riverside   | Elucidation of the Mode of Action of Steroid Hormones Controlling Insect Development  | <a href="https://www.yamanakalab.com/">https://www.yamanakalab.com/</a>   |
| YUKAWA Masahiro   | Associate Professor, Faculty of Science and Technology, Keio University  | Development of Adaptive Signal Processing with Nonlinear Estimation Based on Model Selection                                | <a href="http://www.ykw.elec.keio.ac.jp/yukawa/">http://www.ykw.elec.keio.ac.jp/yukawa/</a>   |

Titles and affiliations current as of 1 December 2021

## 17th (FY2020) JSPS Prize recipients

| NAME               | AFFILIATION  | RESEARCH TITLE  | URL<br>(as of December, 2021)   |
|--------------------|--|---|---|
| INOUE Takanari     | Professor, School of Medicine, Johns Hopkins University  | Elucidation of Primary Cilia Functions with Innovative Molecular Tools  | <a href="https://pages.jh.edu/inouelab/index.html">https://pages.jh.edu/inouelab/index.html</a>   |
| URAKAWA Atsushi    | Professor, Department of Chemical Engineering, Delft University of Technology                              | High-Efficiency Catalytic Conversion of Carbon Dioxide by High Pressure and Transient Operations, and the Elucidation of the Reaction Mechanisms          | <a href="https://www.tudelft.nl/en/faculty-of-applied-sciences/about-faculty/departments/chemical-engineering/principal-scientists/atsushi-urakawa/">https://www.tudelft.nl/en/faculty-of-applied-sciences/about-faculty/departments/chemical-engineering/principal-scientists/atsushi-urakawa/</a>   |
| OMORI Toshihiro    | Associate Professor, Graduate School of Engineering, Tohoku University                                     | Development of New Materials through Alloy Design and Microstructural Control Using Phase Diagram   | <a href="https://researchmap.jp/read0103295?lang=en">https://researchmap.jp/read0103295?lang=en</a>   |
| OKA Yuki           | Professor, Biology and Biological Engineering, California Institute of Technology                          | Functional Identification of Neural Circuits Involved in Maintaining Water and Salt Homeostasis in the Body   | <a href="http://www.okalab.caltech.edu/Main.html">http://www.okalab.caltech.edu/Main.html</a>   |
| OKADA Yukinori     | Professor, Graduate School of Medicine, Osaka University   | Elucidation of Disease Biology by Statistical Genetics Analysis of Large-scale Disease Genome Information, and Development of Novel Drug Discovery Method | <a href="https://researchmap.jp/yokada/?lang=en">https://researchmap.jp/yokada/?lang=en</a>   |
| OKAMOTO Masanori   | Associate Professor, Center for Bioscience Research and Education, Utsunomiya University                   | Elucidation of Action Mechanism of Phytohormone Abscisic Acid and Its Application   | <a href="https://researchmap.jp/ABAokamoto">https://researchmap.jp/ABAokamoto</a>   |
| OGOSHI Tomoki      | Professor, Graduate School of Engineering, Kyoto University  | Construction of Pillar-Shaped Macrocycles Pillar[n]arenes and Expanding the Frontiers of Functional Space Materials                                       | <a href="https://researchmap.jp/read0093605?lang=en">https://researchmap.jp/read0093605?lang=en</a>   |
| ODAKA Yuji         | Associate Professor, Graduate School of Science, Kyoto University  | Studies on Algebraic Geometry Using K-stability   | <a href="https://www.math.kyoto-u.ac.jp/en/people/profile/yodaka">https://www.math.kyoto-u.ac.jp/en/people/profile/yodaka</a>   |
| KOIBUCHI Michihiro | Associate Professor, National Institute of Informatics, Research Organization of Information and Systems   | Pioneering Research on Introducing Randomness for Interconnection Networks on Parallel Computer Systems   | <a href="https://researchmap.jp/koibuchi/?lang=english">https://researchmap.jp/koibuchi/?lang=english</a>   |
| SAITO Kohei        | Associate Professor, Graduate School of Economics, Osaka City University                                   | An Ecological Turn in Marxian Economics   | <a href="https://researchmap.jp/7000022985/misc?lang=en">https://researchmap.jp/7000022985/misc?lang=en</a>   |
| SAKAKI Michiko     | Research Scientist, Hector Research Institute of Education Sciences and Psychology, University of Tübingen | Construction of the Cognitive Neuroscience Model on the Interaction between Emotion and Memory Based on the Development Process                           | <a href="https://uni-tuebingen.de/en/faculties/faculty-of-economics-and-social-sciences/subjects/department-of-social-sciences/education-sciences-and-psychology/institute/staff/sakaki-michiko-dr/">https://uni-tuebingen.de/en/faculties/faculty-of-economics-and-social-sciences/subjects/department-of-social-sciences/education-sciences-and-psychology/institute/staff/sakaki-michiko-dr/</a> |
| SATOH Takashi      | Professor, Graduate School and Faculty of Medicine, Tokyo Medical and Dental University                    | Research for Functional Diversity of Disorder-specific Macrophages  | <a href="https://researchmap.jp/soh_satoh?lang=en">https://researchmap.jp/soh_satoh?lang=en</a>   |
| SHIOMI Junichiro   | Professor, Graduate School of Engineering, The University of Tokyo   | Innovation in Control and Design of Thermal Transport at the Nanoscale  | <a href="http://www.phonon.t.u-tokyo.ac.jp/?lang=en">http://www.phonon.t.u-tokyo.ac.jp/?lang=en</a>   |
| SUGAYA Takuo       | Associate Professor, Graduate School of Business, Stanford University                                      | Proof of the General Theorem of Cooperative Behavior in Repeated Games with Private Monitoring  | <a href="https://sites.google.com/site/takuosugaya/home?authuser=0">https://sites.google.com/site/takuosugaya/home?authuser=0</a>   |
| SENJU Atsushi      | Reader, Department of Psychological Sciences, Birkbeck, University of London                               | Mechanisms Underlying Typical Development of the Social Brain, and Its Atypical Development in Autism   | <a href="http://cbcd.bbk.ac.uk/people/scientificstaff/atsushi-senju">http://cbcd.bbk.ac.uk/people/scientificstaff/atsushi-senju</a>   |
| TANAKA Masaomi     | Associate Professor, Graduate School of Science, Tohoku University   | Electromagnetic Emission from Gravitational Wave Sources and the Origin of Heavy Elements in the Universe   | <a href="https://www.astr.tohoku.ac.jp/~masaomi.tanaka/index_e.html">https://www.astr.tohoku.ac.jp/~masaomi.tanaka/index_e.html</a>   |
| NAGAOKA Tomohito   | Associate Professor, School of Medicine, St. Marianna University   | Elucidation of Life History and Hierarchical Society during the Formative Period in the Andean Civilization by Bioarchaeology                             | <a href="https://researchmap.jp/read0093350?lang=en">https://researchmap.jp/read0093350?lang=en</a>   |
| NISHINO Kunihiro   | Professor, The Institute of Scientific and Industrial Research, Osaka University                           | Studies on the Function and Regulatory Mechanism of Bacterial Drug Efflux Pumps   | <a href="https://researchmap.jp/read0210124?lang=en">https://researchmap.jp/read0210124?lang=en</a>   |
| NISHIHARA Hiroto   | Professor, Advanced Institute for Materials Science, Tohoku University                                     | Synthesis of Graphene Sponges and Development of Their New Functions  | <a href="http://www2.tagen.tohoku.ac.jp/lab/nishihara/html/en/nishihara.html">http://www2.tagen.tohoku.ac.jp/lab/nishihara/html/en/nishihara.html</a>   |
| HAYASHI Masamitsu  | Associate Professor, Graduate School of Science, The University of Tokyo                                   | The Physics of Spin Dynamics in Magnetic Nanostructures and Spin-orbit Effects  | <a href="http://qspin.phys.s.u-tokyo.ac.jp/index.html">http://qspin.phys.s.u-tokyo.ac.jp/index.html</a>   |
| HIRABAYASHI Yukiko | Professor, Graduate School of Engineering and Science, Shibaura Institute of Technology                    | Pioneering the Global Scale Projection of Flood Risk and Mountain Glacier Melt  | <a href="http://www.db.shibaura-it.ac.jp/~hirabayashi/hyukiko/">http://www.db.shibaura-it.ac.jp/~hirabayashi/hyukiko/</a>   |
| MACHIDA Yo         | Professor, Faculty of Science, Gakushuin University  | Development of Collective Transport Phenomena Generated by Quasiparticle Interaction in Solids  | <a href="https://researchmap.jp/read0141509?lang=en">https://researchmap.jp/read0141509?lang=en</a>   |
| MIURA Ayumi        | Associate Professor, Graduate School of Language and Culture, Osaka University                             | Empirical Study of Syntax and Lexis of Impersonal Constructions in the History of the English Language  | <a href="http://www.dma.jim.osaka-u.ac.jp/view?l=en&amp;u=10008728">http://www.dma.jim.osaka-u.ac.jp/view?l=en&amp;u=10008728</a>   |
| MIYAMOTO Kei       | Associate Professor, Faculty of Biology-Oriented Science and Technology, Kindai University                 | Research on Mechanisms of Nuclear Reprogramming in Eggs and Oocytes   | <a href="https://researchmap.jp/KeiMiyamoto?lang=en">https://researchmap.jp/KeiMiyamoto?lang=en</a>   |
| YAGAI Shiki        | Professor, Institute for Global Prominent Research, Chiba University                                       | Development of Topological Supramolecular Polymers  | <a href="http://chem.tf.chiba-u.jp/yagai/index-e.html">http://chem.tf.chiba-u.jp/yagai/index-e.html</a>   |

### 16th (FY2019) JSPS Prize recipients

| NAME                | AFFILIATION   | RESEARCH TITLE   | URL<br>(as of December, 2021)   |
|---------------------|---|--|---|
| ANDO Kazuya         | Associate Professor, Faculty of Science and Technology, Keio University   | Creation and Development of Spin Current Source Driven by Magnetic Dynamics  | <a href="https://researchmap.jp/kazuya-ando/?lang=english">https://researchmap.jp/kazuya-ando/?lang=english</a>         |
| IKEDA Fumiyo        | Professor, Medical Institute of Bioregulation, Kyushu University  | Understanding the Regulatory Mechanisms of Inflammation by Ubiquitin   | <a href="https://researchmap.jp/fumiyoikeda/?lang=english">https://researchmap.jp/fumiyoikeda/?lang=english</a>         |
| ISHIZAKI Akihito    | Professor, Institute for Molecular Science, National Institutes of Natural Sciences                                   | Theoretical Development of Quantum Dissipative Dynamics and Its Application to Primary Processes of Photosynthesis                                 | <a href="https://researchmap.jp/akihitoishizaki/?lang=english">https://researchmap.jp/akihitoishizaki/?lang=english</a> |
| UCHIDA Ken-ichi     | Group Leader, Research Center for Magnetic and Spintronic Materials, National Institute for Materials Science         | Development of Fundamental Physics of Spin Caloritronics and Its Application to Thermal Energy Engineering   | <a href="https://researchmap.jp/ken-ichi_uchida/?lang=english">https://researchmap.jp/ken-ichi_uchida/?lang=english</a> |
| KATO Kengo          | Associate Professor, Department of Statistics and Data Science, Cornell University                                    | Research on Statistical Theories for Analyzing Big Data and High-dimensional Data  | <a href="https://sites.google.com/site/kkatostat/home">https://sites.google.com/site/kkatostat/home</a>                 |
| KAWAI Shigeki       | Principal Researcher, International Center for Materials Nanoarchitectonics, National Institute for Materials Science | Inner Structure Analysis of Surface Absorbed Molecules, and Syntheses and Evaluation of Nanocarbon Films Based on Surface Reaction                 | <a href="https://researchmap.jp/7000018605/?lang=english">https://researchmap.jp/7000018605/?lang=english</a>           |
| KURANAGA Erina      | Professor, Graduate School of Life Sciences, Tohoku University  | Elucidation of the Working Principle of Collective Cell Migration of Epithelial Tissues  | <a href="https://researchmap.jp/kuranaga/?lang=english">https://researchmap.jp/kuranaga/?lang=english</a>               |
| KURAMOTO Hisanori   | Associate Professor, Institute for Research in Humanities, Kyoto University   | A Reconstruction of Chinese Buddhist History during the Six Dynasties, Sui and Tang Periods, Based on Comprehensively Collected Stone Inscriptions | <a href="https://researchmap.jp/cangben/?lang=english">https://researchmap.jp/cangben/?lang=english</a>                 |
| KOSHINO Mikito      | Professor, Department of Physics, Osaka University  | Pioneering Theoretical Studies on and Development of Novel Properties of Multi-Layer Graphene  | <a href="https://researchmap.jp/7000000415/?lang=english">https://researchmap.jp/7000000415/?lang=english</a>           |
| SATAKE Akiko        | Professor, Faculty of Science, Kyushu University  | Unraveling Mechanisms of General Flowering Based on Genetic Information  | <a href="https://researchmap.jp/satakeakiko/?lang=english">https://researchmap.jp/satakeakiko/?lang=english</a>         |
| SHIMOJI Michinori   | Associate Professor, Faculty of Humanities, Kyushu University   | A Descriptive Grammar of the Irabu Dialect of Ryukyuan: A Typological Study on Its Accent and Syntactic Phenomena                                  | <a href="https://researchmap.jp/read0122330/?lang=english">https://researchmap.jp/read0122330/?lang=english</a>         |
| SHIMOBABA Tomoyoshi | Professor, Graduate School of Engineering, Chiba University   | 3D Information Processing Based on Principles of Computer Holography   | <a href="https://researchmap.jp/shimobaba/?lang=english">https://researchmap.jp/shimobaba/?lang=english</a>             |
| TAGO Atsushi        | Professor, School of Political Science and Economics, Waseda University   | Expansion of the Research Frontiers of the Scientific Study of World Politics from the Perspectives of Non-hegemonic States                        | <a href="https://researchmap.jp/tagoatsushi/?lang=english">https://researchmap.jp/tagoatsushi/?lang=english</a>         |
| TSUDA Yuichi        | Associate Professor, Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency                 | Pioneering Work and Its Verification on Precision Landing to an Asteroid and Interplanetary Flight Technology                                      | <a href="https://researchmap.jp/read0115767/?lang=english">https://researchmap.jp/read0115767/?lang=english</a>         |
| NISHIMASU Hiroshi   | Associate Professor, Graduate School of Science, The University of Tokyo  | Structure and Engineering of CRISPR-Cas9 Genome-editor Nucleases   | <a href="https://researchmap.jp/7000018559/?lang=english">https://researchmap.jp/7000018559/?lang=english</a>           |
| NOMURA Masahiro     | Associate Professor, Institute of Industrial Science, The University of Tokyo   | Heat Flux Control by Phononic Nanostructures and Application to Energy Harvesting  | <a href="https://researchmap.jp/1977/?lang=english">https://researchmap.jp/1977/?lang=english</a>                       |
| FUJISAWA Shigeyoshi | Team Leader, RIKEN Center for Brain Science   | Studies on the Physiological Mechanisms of Temporal and Spatial Memory in the Hippocampus  | <a href="https://researchmap.jp/sfujisawa/?lang=english">https://researchmap.jp/sfujisawa/?lang=english</a>             |
| MAEKAWA Yasunori    | Professor, Graduate School of Science, Kyoto University   | Mathematical Justification of the Theory of Boundary Layer in Fluid Dynamics   | <a href="https://researchmap.jp/7000006958/?lang=english">https://researchmap.jp/7000006958/?lang=english</a>           |
| MASUDA Naoki        | Associate Professor, Department of Mathematics, State University of New York at Buffalo                               | Pioneering Research on Theory and Data-analysis Methods for Temporal Networks  | <a href="http://www.naokimasuda.net/cv_j.html">http://www.naokimasuda.net/cv_j.html</a>                                 |
| MATSUSHITA Tomonao  | Associate Professor, Faculty of Agriculture, Kyushu University  | Research on Multistep Regulation of Gene Expression by Plant Photoreceptor Phytochrome   | <a href="https://researchmap.jp/7000019176/?lang=english">https://researchmap.jp/7000019176/?lang=english</a>           |
| MATSUDA Ryotaro     | Professor, Graduate School of Engineering, Nagoya University / Institute for Advanced Research, Nagoya University     | Study on Molecular Recognition and Trapping Functions of Nanoporous Metal Complexes  | <a href="https://researchmap.jp/rmatsuda/?lang=english">https://researchmap.jp/rmatsuda/?lang=english</a>               |
| MANAGI Shunsuke     | Distinguished Professor, Director of Urban Institute, School of Engineering, Kyushu University                        | Research on the Development of the Inclusive Wealth Index  | <a href="https://researchmap.jp/read0152056/?lang=english">https://researchmap.jp/read0152056/?lang=english</a>         |
| YAMASHITA Makoto    | Professor, Graduate School of Engineering, Nagoya University  | Creation of Highly Reactive Boron Compounds and Elucidation of Their Characteristic Reactivity   | <a href="https://researchmap.jp/makotoyamashita/?lang=english">https://researchmap.jp/makotoyamashita/?lang=english</a> |
| YORIMITSU Hideki    | Professor, Graduate School of Science, Kyoto University   | Development of Novel Synthetic Organic Reactions Based on the Breaking of Aromaticity  | <a href="https://researchmap.jp/read0192968/?lang=english">https://researchmap.jp/read0192968/?lang=english</a>         |

Titles and affiliations current as of 1 December 2019

15th (FY2018) JSPS Prize recipients

| NAME                 | AFFILIATION  | RESEARCH TITLE   | URL<br>(as of December, 2021)   |
|----------------------|--|--|---|
| OUCHI Masami         | Associate Professor, Institute for Cosmic Ray Research, The University of Tokyo  | Observational Studies of the Early Universe with Ly $\alpha$ Emitters  | <a href="http://cos.icrr.u-tokyo.ac.jp/14.html">http://cos.icrr.u-tokyo.ac.jp/14.html</a>   |
| KASHIMA Hisashi      | Professor, Graduate School of Informatics, Kyoto University  | Machine Learning Methods for Various Data Types as Foundations of Artificial Intelligence  | <a href="https://researchmap.jp/Hisashi_Kashima/?lang=english">https://researchmap.jp/Hisashi_Kashima/?lang=english</a>                           |
| Kawahara Yoshihiro   | Associate Professor, Graduate School of Information Science and Technology, The University of Tokyo  | Research on Composition of Low-cost IoT Devices Based on Informatics   | <a href="https://researchmap.jp/kawaharayoshihiro/?lang=english">https://researchmap.jp/kawaharayoshihiro/?lang=english</a>                       |
| KIDA Yoshikata       | Associate Professor, Graduate School of Mathematical Sciences, The University of Tokyo   | Ergodic Theory of Group Actions, Orbit Equivalence   | <a href="https://researchmap.jp/7000008878/?lang=english">https://researchmap.jp/7000008878/?lang=english</a>                                     |
| GODA Keisuke         | Professor, Graduate School of Science, The University of Tokyo   | Development of Ultrafast Imaging and Spectroscopy and Their Applications in Science, Industry, and Medicine  | <a href="https://researchmap.jp/keisukegoda/?lang=english">https://researchmap.jp/keisukegoda/?lang=english</a>                                   |
| GOSHIMA Gohta        | Professor, Graduate School of Science, Nagoya University   | New Mechanisms of Cytoskeleton Formation   | <a href="http://bunshi4.bio.nagoya-u.ac.jp/~tenure2/goshima.html">http://bunshi4.bio.nagoya-u.ac.jp/~tenure2/goshima.html</a>                     |
| KOJIMA Fuhito        | Associate Professor, Department of Economics, Stanford University  | Extension of Practical Matching Theory or Market Design  | <a href="http://www.vcasi.org/fellow/%E5%B0%8F%E5%B3%B6-%E6%AD%A6%E4%BB%81">http://www.vcasi.org/fellow/%E5%B0%8F%E5%B3%B6-%E6%AD%A6%E4%BB%81</a> |
| SAITO Tsuguyuki      | Associate Professor, Graduate School of Agricultural and Life Sciences, The University of Tokyo  | Fundamental Research on the Production and Utilization of Cellulose Nanofibers   | <a href="https://www.u-tokyo.ac.jp/focus/ja/people/people001060.html">https://www.u-tokyo.ac.jp/focus/ja/people/people001060.html</a>             |
| SHIBATA Naoya        | Professor, Graduate School of Engineering, The University of Tokyo   | Advancement of Scanning Transmission Electron Microscopy and Its Application to Atomic-Scale Localized Material Characterization                                     | <a href="https://researchmap.jp/read0123227/?lang=english">https://researchmap.jp/read0123227/?lang=english</a>                                   |
| TAKIZAWA Kenji       | Professor, Faculty of Science and Engineering, Waseda University   | New-Generation Computational Methods and Analyses of Flow Between Solid Surfaces in Contact  | <a href="https://researchmap.jp/ktakiz/?lang=english">https://researchmap.jp/ktakiz/?lang=english</a>   |
| TAKEBE Takanori      | Professor, Institute of Research, Tokyo Medical and Dental University.<br>Associate Director, Center for Stem Cell and Organoid Medicine, Cincinnati Children's Hospital Medical Center.<br>Assistant Professor, Division of Gastroenterology, Hepatology and Nutrition and Division of Developmental Biology, Cincinnati Children's Hospital Medical Center.<br>Professor, Advanced Medical Research Center, Yokohama City University | Exploring Human Organ Development and Neogenesis from Pluripotent Stem Cells   | <a href="https://researchmap.jp/ttakebe/?lang=english">https://researchmap.jp/ttakebe/?lang=english</a>   |
| TAKEMURA Toshihiko   | Professor, Research Institute for Applied Mechanics, Kyushu University   | Development of Aerosol Climate Model and Its Application to Research on Climate Change and Air Quality, Such as Prediction of Yellow Sand and PM2.5 Transportation   | <a href="https://researchmap.jp/ttakemura/?lang=english">https://researchmap.jp/ttakemura/?lang=english</a>                                       |
| TANAKA Katsunori     | Chief Scientist, Biofunctional Synthetic Chemistry Laboratory, RIKEN Cluster for Pioneering Research   | In Vivo Synthetic Chemistry Using Glycan Drug Delivery System  | <a href="https://researchmap.jp/read0060596/?lang=english">https://researchmap.jp/read0060596/?lang=english</a>                                   |
| TANIYASU Yoshitaka   | Group Leader, NTT Corporation, NTT Basic Research Laboratories   | Research on Wide Bandgap Semiconductor Ultraviolet Light-Emitting Devices  | <a href="http://www.brl.ntt.co.jp/people/taniyasu/index.html">http://www.brl.ntt.co.jp/people/taniyasu/index.html</a>                             |
| NAKAO Yoshiaki       | Professor, Graduate School of Engineering, Kyoto University  | Development of Activation and Transformation Methods for Unreactive Bonds Based on Designed Metal Catalysis  | <a href="https://researchmap.jp/read0094279/?lang=english">https://researchmap.jp/read0094279/?lang=english</a>                                   |
| BABA Norihisa        | Associate Professor, Institute for Advanced Studies on Asia, The University of Tokyo   | A Study on the Early History of Theravāda Buddhism in Terms of Thoughts, Canonization, and Language Ideology   | <a href="https://researchmap.jp/read0213243/?lang=english">https://researchmap.jp/read0213243/?lang=english</a>                                   |
| FUKUMA Takeshi       | Director/Professor, Nano Life Science Institute (WPI-NanoLSI), Institute for Frontier Science Initiative, Kanazawa University  | Development of High-resolution Liquid-environment Atomic Force Microscopy and Its Applications to Subnanoscale Studies on Solid-liquid Interfaces                    | <a href="https://researchmap.jp/takeshi_fukuma/?lang=english">https://researchmap.jp/takeshi_fukuma/?lang=english</a>                             |
| FUJIHARA Tatsushi    | Associate Professor, Institute for Research in Humanities, Kyoto University  | A Critical Study on Ecological Thoughts in the Third Reich: From the Viewpoint of Food and Agriculture   | <a href="https://researchmap.jp/read0212671/?lang=english">https://researchmap.jp/read0212671/?lang=english</a>                                   |
| MATSUBAYASHI Tetsuya | Associate Professor, Osaka School of International Public Policy, Osaka University   | Empirical Analysis of the Functioning and Social Consequences of Representative Democracy  | <a href="https://researchmap.jp/tmatsubayashi/?lang=english">https://researchmap.jp/tmatsubayashi/?lang=english</a>                               |
| MIZUNUMA Masaki      | Associate Professor, Graduate School of Advanced Sciences of Matter, Hiroshima University  | Discovery of the Molecular Mechanisms of Cell-cycle Regulation by Genetic Approaches and Development of the Research towards Understanding Lifespan Regulation       | <a href="https://researchmap.jp/M-Mizu/?lang=english">https://researchmap.jp/M-Mizu/?lang=english</a>   |
| MIYAKE Hiroe         | Associate Professor, Interfaculty Initiative in Information Studies, The University of Tokyo   | Standardization of Earthquake Ground Motion Prediction for Disaster Mitigation   | <a href="https://researchmap.jp/read0165156/?lang=english">https://researchmap.jp/read0165156/?lang=english</a>                                   |
| YASUOKA Yoshifumi    | Research Fellow of the Japan Society for the Promotion of Science  | The Ancient Egyptian Columns: Their Chronological Development and the Underlying Architectural Philosophy  | <a href="https://researchmap.jp/yoshifumi.yasuoka/?lang=english">https://researchmap.jp/yoshifumi.yasuoka/?lang=english</a>                       |
| YANAI Takeshi        | Professor, Institute of Transformative Bio-Molecules, Nagoya University  | Development of Computational Quantum Chemistry Method Based on Density Matrix Renormalization Group Theory and Its Application to Multi-reference Electronic Systems | <a href="https://researchmap.jp/takeshiyanai/?lang=english">https://researchmap.jp/takeshiyanai/?lang=english</a>                                 |
| YAMAMOTO Masahiro    | Professor, Research Institute for Microbial Diseases, Osaka University   | Analysis of Immunological Interface Between Host and Intracellular Pathogens   | <a href="https://researchmap.jp/read0151116/?lang=english">https://researchmap.jp/read0151116/?lang=english</a>                                   |
| YOTSUMOTO Yuko       | Associate Professor, Graduate School of Arts and Sciences, The University of Tokyo   | Research on Functional and Anatomical Plasticity of Human Brain  | <a href="https://researchmap.jp/yukoy/?lang=english">https://researchmap.jp/yukoy/?lang=english</a>   |

Titles and affiliations current as of 1 December 2018

14th (FY2017) JSPS Prize recipients

| Research Areas   | NAME               | AFFILIATION  | RESEARCH TITLE   | URL<br>(as of December, 2021)   |
|--|--------------------|--|--|---|
| Integrated Disciplines   | ITO Akihiko        | Senior Researcher, Center for Global Environmental Research, National Institute for Environmental Studies              | Development of Terrestrial Ecosystem Model and Its Application to Global Warming Research  | <a href="https://researchmap.jp/itoakihiko_visit/?lang=english">https://researchmap.jp/itoakihiko_visit/?lang=english</a>   |
|  | KIGUCHI Manabu     | Professor, School of Science, Tokyo Institute of Technology  | Development of Measurement Methods for Single Molecule Junctions and Their Properties  | <a href="https://researchmap.jp/read0061085/?lang=english">https://researchmap.jp/read0061085/?lang=english</a>   |
|  | KIMURA Yuki        | Associate Professor, Institute of Low Temperature Science, Hokkaido University   | Elucidation of the Early Stages of Crystallization in View of Nano-science, and Its Applications to Astronomy  | <a href="https://researchmap.jp/read0143926/?lang=english">https://researchmap.jp/read0143926/?lang=english</a>   |
|  | HOMMA Naofumi      | Professor, Research Institute of Electrical Communication, Tohoku University   | Theory of Hardware Algorithms for Computer Arithmetic and Its Application to Design of Cryptographic Hardware  | <a href="https://researchmap.jp/read0191593/?lang=english">https://researchmap.jp/read0191593/?lang=english</a>   |
| Humanities and Social Sciences   | ISHII Miho         | Associate Professor, Institute for Research in Humanities, Kyoto University  | An Anthropological Study of Magico-Religious Practices in West Africa and South India  | <a href="https://researchmap.jp/read0138817/?lang=english">https://researchmap.jp/read0138817/?lang=english</a>   |
|  | KAMADA Yumiko      | Associate Professor, Faculty of Economics, Keio University   | Carpets That Bind the World: Indian Carpets and Their Journey toward the Kyoto Gion Festival from a Perspective of Global History  | <a href="https://researchmap.jp/read0155756/?lang=english">https://researchmap.jp/read0155756/?lang=english</a>   |
|  | KITAMURA Yuto      | Associate Professor, Graduate School of Education, The University of Tokyo   | Theoretical Study on the Public Sphere in International Education Development  | <a href="https://researchmap.jp/read0132967/?lang=english">https://researchmap.jp/read0132967/?lang=english</a>   |
|  | NAKAYA So          | Assistant Professor, Academic Assembly Institute of Education, Shinshu University                                      | Research on State Formation in Late Medieval Italy   | <a href="https://researchmap.jp/read0143984/?lang=english">https://researchmap.jp/read0143984/?lang=english</a>   |
|  | NONAKA Tetsushi    | Associate Professor, Graduate School of Human Development and Environment, Kobe University                             | Research on Flexible Action Control in Body-Environment System   | <a href="https://researchmap.jp/t_nonaka/?lang=english">https://researchmap.jp/t_nonaka/?lang=english</a>   |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | IRITANI Hiroshi    | Associate Professor, Graduate School of Science, Kyoto University  | New Development in the Study of Quantum Cohomology and Mirror Symmetry via Gamma Structure   | <a href="https://researchmap.jp/7000008925/?lang=english">https://researchmap.jp/7000008925/?lang=english</a>   |
|  | KONDO Takeshi      | Associate Professor, The Institute for Solid State Physics, The University of Tokyo                                    | Study of Pseudogap State of High-Tc Copper Oxide Superconductors   | <a href="https://www.issp.u-tokyo.ac.jp/maincontents/organization/labs/kondo_group.html">https://www.issp.u-tokyo.ac.jp/maincontents/organization/labs/kondo_group.html</a> |
|  | SANDO Shinsuke     | Professor, Graduate School of Engineering, The University of Tokyo   | Development of Hyperpolarized NMR Molecular Probes for Sensing and Imaging Biological Systems  | <a href="https://researchmap.jp/ssut/?lang=english">https://researchmap.jp/ssut/?lang=english</a>   |
|  | SUGIMOTO Yoshiaki  | Associate Professor, Graduate School of Frontier Sciences, The University of Tokyo                                     | Measurement of Single Chemical Bonding Force and Its Control for Nanostructuring   | <a href="https://researchmap.jp/afm/?lang=english">https://researchmap.jp/afm/?lang=english</a>   |
|  | SUTOU Yuji         | Associate Professor, Graduate School of Engineering, Tohoku University   | Development of New Smart Materials through Phase Transformation Control  | <a href="https://researchmap.jp/read0103303/?lang=english">https://researchmap.jp/read0103303/?lang=english</a>   |
|  | HIRATA Akimasa     | Professor, Graduate School of Engineering, Nagoya Institute of Technology  | Integrated Simulation Techniques for Multiphysics and Physiological Response and Their Application   | <a href="https://researchmap.jp/read0191212/?lang=english">https://researchmap.jp/read0191212/?lang=english</a>   |
|  | HIRYU Shizuko      | Professor, Faculty of Life and Medical Sciences, Doshisha University   | Study on the Biosonar System of Bats   | <a href="https://researchmap.jp/Shizuko_Hiryu/?lang=english">https://researchmap.jp/Shizuko_Hiryu/?lang=english</a>   |
|  | YONETOKU Daisuke   | Professor, Institute of Science & Engineering, Kanazawa University   | Study of Radiation Mechanism of Gamma-ray Bursts Using Gamma-ray Polarimeter onboard Spacecraft  | <a href="https://researchmap.jp/yonetoku/?lang=english">https://researchmap.jp/yonetoku/?lang=english</a>   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | KAJIMURA Shingo    | Associate Professor, San Francisco UCSF Diabetes Center, University of California                                      | Identification of Genes and Signaling Pathways Needed for Development and Differentiation of Brown Adipose Cells   | <a href="https://researchmap.jp/Mariepon/?lang=english">https://researchmap.jp/Mariepon/?lang=english</a>   |
|  | KUHARA Atsushi     | Professor, Faculty of Science and Engineering, Konan University  | Molecular and Cellular Mechanisms Underlying Temperature Response in Nematoda  | <a href="https://researchmap.jp/atsushikuhara/?lang=english">https://researchmap.jp/atsushikuhara/?lang=english</a>   |
|  | KODERA Noriyuki    | Associate Professor, Bio-AFM Frontier Research Center, Institute of Science & Engineering, Kanazawa University         | Direct High Resolution Video Imaging of Walking Motion of Myosin Molecules   | <a href="https://researchmap.jp/NoriyukiKodera/?lang=english">https://researchmap.jp/NoriyukiKodera/?lang=english</a>   |
|  | KOMATSU Masaaki    | Professor, Graduate School of Medical and Dental Sciences, Niigata University  | Elucidation of the Role of Aberrant Selective Autophagy in Pathogenic Mechanisms of Digestive Diseases   | <a href="https://researchmap.jp/read0162193/?lang=english">https://researchmap.jp/read0162193/?lang=english</a>   |
|  | KOYANAGI Mitsumasa | Associate Professor, Graduate School of Science, Osaka City University   | Studies on Diversity and Evolution of Molecular Mechanisms of Photoreception throughout the Animal Kingdom   | <a href="https://researchmap.jp/mkoyanagi/?lang=english">https://researchmap.jp/mkoyanagi/?lang=english</a>   |
|  | SATO Toshiro       | Associate Professor, School of Medicine, Keio University   | Development of Organoid Culture System for Elucidation of Human Diseases   | <a href="https://researchmap.jp/read0121658/?lang=english">https://researchmap.jp/read0121658/?lang=english</a>   |
|  | SHIMURA Hanako     | Assistant Professor, Research Faculty of Agriculture, Hokkaido University  | Roles of RNA Silencing in Symptom Development Induced by Plant Virus Infection and Identification of Antivirus Compounds That Inhibit Viral Suppression of RNA Silencing | <a href="https://researchmap.jp/read0074137/?lang=english">https://researchmap.jp/read0074137/?lang=english</a>   |
|  | BANNAI Hiroko      | PRESTO Researcher (Exclusive Appointment) for Research Area "Single Cell Analysis, Japan Science and Technology Agency | Single Molecule Imaging Approach to Mechanisms Underlying Brain Functions  | <a href="https://researchmap.jp/hirokobannai86/?lang=english">https://researchmap.jp/hirokobannai86/?lang=english</a>   |

### 13th (FY2016) JSPS Prize recipients

| Research Areas   | NAME  | AFFILIATION   | RESEARCH TITLE  | URL<br>(as of December, 2021)   |
|--|---|---|---|---|
| Integrated Disciplines   | SUGIYAMA Masashi  | Director, RIKEN Center for Advanced Intelligence Project / Professor, Graduate School of Frontier Sciences, The University of Tokyo                             | Theory and Application of Machine Learning for Artificial Intelligence  | <a href="https://researchmap.jp/masashisugiyama/?lang=english">https://researchmap.jp/masashisugiyama/?lang=english</a>                               |
|  | MATSUZAKI Masanori  | Professor, Graduate School of Medicine, The University of Tokyo   | Study of Cortical Plasticity Employing Optical Methods  | <a href="https://researchmap.jp/masanorimatsuzaki/?lang=english">https://researchmap.jp/masanorimatsuzaki/?lang=english</a>                           |
|  | YAMAGISHI Jun-ichi  | Associate Professor, Digital Content and Media Sciences Research Division, National Institute of Informatics, Research Organization of Information and Systems  | Speaker Adaptation to Statistical Speech Synthesis and Its Application  | <a href="https://researchmap.jp/read0205283/?lang=english">https://researchmap.jp/read0205283/?lang=english</a>                                       |
| Humanities and Social Sciences   | KAWAGUCHI Daiji   | Professor, Graduate School of Economics, The University of Tokyo  | Econometric Analysis of Inequality in Japanese Labor Market   | <a href="https://researchmap.jp/daiji.kawaguchi/?lang=english">https://researchmap.jp/daiji.kawaguchi/?lang=english</a>                               |
|  | NOMACHI Motoki  | Associate Professor, Slavic-Eurasian Research Center, Hokkaido University   | Typological Studies in Slavic Morphosyntax and Its Diachronic and Areal Changes: With Special Reference to Kashubian                          | <a href="https://researchmap.jp/mnomachi/?lang=english">https://researchmap.jp/mnomachi/?lang=english</a>   |
|  | HIROSE Kunio  | Associate Professor, Center for Research on Chinese Excavated Classics and Paleography, Fudan University  | Proposing a New Interpretation of "Lü(律)" and "Ling(令)" in the Qin-Han Period, Based on a Reexamination of Historical Documents and Materials | <a href="http://webcatplus.nii.ac.jp/webcatplus/details/creator/2569117.html">http://webcatplus.nii.ac.jp/webcatplus/details/creator/2569117.html</a> |
|  | HOSHINO Takahiro  | Professor, Faculty of Economics, Keio University  | Latent Variable Approach to Selection Bias and Causal Inference   | <a href="https://researchmap.jp/read0077211/?lang=english">https://researchmap.jp/read0077211/?lang=english</a>                                       |
|  | MATSUMIYA Kazumichi   | Associate Professor, Research Institute of Electrical Communication, Tohoku University  | Psychophysical Study on Interactions between Visual Perception and Action   | <a href="https://researchmap.jp/read0121363/?lang=english">https://researchmap.jp/read0121363/?lang=english</a>                                       |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | SHIHO Atsushi   | Professor, Graduate School of Mathematical Sciences, The University of Tokyo  | Cohomologies and Fundamental Groups in p-adic Arithmetic Geometry   | <a href="https://researchmap.jp/read0052292/?lang=english">https://researchmap.jp/read0052292/?lang=english</a>                                       |
|  | CHIBA Daichi  | Associate professor, Department of Applied Physics, The University of Tokyo   | Study on Electrical Control of Magnetism  | <a href="https://researchmap.jp/dchiba/?lang=english">https://researchmap.jp/dchiba/?lang=english</a>   |
|  | TOMIOKA Katsuhiro   | Associate Professor, Graduate School of Information Science and Technology, and Research Center for Integrated Quantum Electronics (RCIQE), Hokkaido University | Research on Heterogeneous Integration of Semiconductor Nanowires and Its Applications to Future Transistors                                   | <a href="https://researchmap.jp/read0146924/?lang=english">https://researchmap.jp/read0146924/?lang=english</a>                                       |
|  | MAEDA Kazuhiko  | Associate Professor, School of Science, Tokyo Institute of Technology   | Development of Artificial Photosynthetic Systems Based on Semiconductor Photocatalysts  | <a href="https://researchmap.jp/read0144006/?lang=english">https://researchmap.jp/read0144006/?lang=english</a>                                       |
|  | MASAOKA Shigeyuki   | Associate Professor, Life and Coordination-Complex Molecular Science, Institute for Molecular Science, National Institutes of Natural Sciences                  | Water Oxidation Catalyzed by Transition Metal Complexes   | <a href="https://researchmap.jp/Shigeyuki_Masaoka/?lang=english">https://researchmap.jp/Shigeyuki_Masaoka/?lang=english</a>                           |
|  | MURAKAMI Hiroshi  | Professor, Graduate School of Engineering, Nagoya University  | Ribosomal Synthesis of Peptides Involving Non-natural Amino Acids   | <a href="https://researchmap.jp/read0118259/?lang=english">https://researchmap.jp/read0118259/?lang=english</a>                                       |
|  | YANAGIDA Takayuki   | Professor, Graduate School of Materials Science, Nara Institute of Science and Technology   | Development of New Phosphors for Measurement of Quantum Energy Conversion   | <a href="https://researchmap.jp/yanagida/?lang=english">https://researchmap.jp/yanagida/?lang=english</a>   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | YOSHIDA Naoki   | Professor, Graduate School of Science, The University of Tokyo  | Large-Scale Numerical Simulations of Structure Formation in the Early Universe  | <a href="https://researchmap.jp/read0118471/?lang=english">https://researchmap.jp/read0118471/?lang=english</a>                                       |
|  | WAKABAYASHI Katsunori   | Professor, School of Science and Technology, Kwansai Gakuin University  | Theory of Nanoscale Effects on Electronic Properties of Graphene  | <a href="https://researchmap.jp/waka/?lang=english">https://researchmap.jp/waka/?lang=english</a>   |
|  | AKIYAMA Shuji   | Professor, Research Center of Integrative Molecular Systems, Institute for Molecular Science, National Institutes of Natural Sciences                           | Structural and Dynamic Bases for Hierarchical Circadian Clock System in Cyanobacteria   | <a href="https://researchmap.jp/read0070105/?lang=english">https://researchmap.jp/read0070105/?lang=english</a>                                       |
|  | KATSUMA Susumu  | Associate Professor, Graduate School of Agricultural and Life Sciences, The University of Tokyo   | Studies on Small RNA-based Sex Determination Mechanism in Silkworms   | <a href="https://researchmap.jp/baculo/?lang=english">https://researchmap.jp/baculo/?lang=english</a>   |
|  | NAKATOGAWA Hitoshi  | Associate Professor, School of Life Science and Technology, Tokyo Institute of Technology   | Biochemical Elucidation of the Molecular Basis of Autophagy   | <a href="https://researchmap.jp/read0125076/?lang=english">https://researchmap.jp/read0125076/?lang=english</a>                                       |
|  | FUSHINOBU Shin-ya   | Professor, Graduate School of Agricultural and Life Sciences, The University of Tokyo   | Structural Bases and Molecular Evolution of Metabolic Enzymes Acting on Sugars and Sugar Phosphates   | <a href="https://researchmap.jp/read0056999/?lang=english">https://researchmap.jp/read0056999/?lang=english</a>                                       |
|  | MATSUMOTO Masayuki  | Professor, Faculty of Medicine, University of Tsukuba   | Diversity of Dopamine Signals: Elucidation of Reward Signal and Cognitive-behavioral Signal   | <a href="https://researchmap.jp/habenula/?lang=english">https://researchmap.jp/habenula/?lang=english</a>   |
|  | MIYAGISHIMA Shin-ya   | Professor, Department of Cell Genetics, National Institute of Genetics, Research Organization of Information and Systems  | Identification of Proteins for Coordinated Proliferation of Eukaryotic Cells and Endosymbiotic Organelles                                     | <a href="https://researchmap.jp/7000007145/?lang=english">https://researchmap.jp/7000007145/?lang=english</a>   |
| MORO Kazuyo  | Team Leader, RIKEN-IMS  | Identification and Characterization of a Novel Immune Cell  | <a href="https://researchmap.jp/kazuyomoro/?lang=english">https://researchmap.jp/kazuyomoro/?lang=english</a>                                 |   |
| YAMADA Yasuhiro  | Professor, Center for iPS Cell Research and Application, Kyoto University | Development and Application of in vivo Cellular Reprogramming Technology for Regulating Cancer Cell Fate  | <a href="https://researchmap.jp/7000008909/?lang=english">https://researchmap.jp/7000008909/?lang=english</a>                                 |   |

## 12th (FY2015) JSPS Prize recipients

| Research Areas   | NAME   | AFFILIATION  | RESEARCH TITLE  | URL<br>(as of December, 2021)   |
|--|--|--|---|---|
| Integrated Disciplines   | KATSURA Seiichiro  | Associate Professor, Faculty of Science and Technology, Keio University  | Real-World Haptics and Its Application Technologies to Spatiotemporal Extension of Motion and Sensation   | <a href="https://researchmap.jp/s.katsura/?lang=english">https://researchmap.jp/s.katsura/?lang=english</a>                 |
|  | SADAKANE Kunihiro  | Professor, Graduate School of Information Science and Technology, The University of Tokyo  | Development of Succinct Data Structures for Large-scale Data Processing   | <a href="https://researchmap.jp/sada/?lang=english">https://researchmap.jp/sada/?lang=english</a>                           |
|  | TANIMOTO Hiromu  | Professor, Graduate School of Life Sciences, Tohoku University   | Neural Circuits for Memory Formation in Drosophila  | <a href="https://researchmap.jp/700009976/?lang=english">https://researchmap.jp/700009976/?lang=english</a>                 |
| Humanities and Social Sciences   | OTA Atsushi  | Associate Professor, Graduate School of Letters, Hiroshima University  | Total History of the Indonesian Local Society in Early-Modern and Modern Ages: Impact of Environment, State, Islam, Outside Merchants, Migrants, and Global Economy | <a href="https://researchmap.jp/a_cit45/?lang=english">https://researchmap.jp/a_cit45/?lang=english</a>                     |
|  | OYAMA Yuzuruha   | Senior Manager of Decorative Arts, Curatorial Research Department, Tokyo National Museum, Independent Administrative Institution National Institutes for Cultural Heritage | Cultural Resources Study Perspective on Antique Textile Called 'Tsuji-ga-Hana'  | <a href="https://nrid.nii.ac.jp/ja/nrid/1000010356272/">https://nrid.nii.ac.jp/ja/nrid/1000010356272/</a>                   |
|  | TAKAMURA Gakuto  | Professor, College of Policy Science, Ritsumeikan University   | Legal Structuring of Joint Management Rules on Urban Common Resources through the Reconstruction of Living Law Theory   | <a href="https://researchmap.jp/read0135112/?lang=english">https://researchmap.jp/read0135112/?lang=english</a>             |
|  | MURAYAMA Kou   | Associate Professor, Department of Psychology, University of Reading   | Critical Roles of Motivation in Learning: A Multi-Method Approach   | <a href="https://koumurayama.com/people.php">https://koumurayama.com/people.php</a>   |
|  | WATANABE Shinya  | Professor, Faculty of Humanities, Nanzan University  | A Study of Complex Societies in the Ancient Andes   | <a href="https://researchmap.jp/read0132195/?lang=english">https://researchmap.jp/read0132195/?lang=english</a>             |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | IKEGAMI Hiroki   | Senior Research Scientist, The Center for Emergent Matter Science, RIKEN   | Direct Demonstration of Time-Reversal Symmetry Breaking in Chiral Superfluid $^3\text{He}$  | <a href="https://researchmap.jp/h-ikegami/?lang=english">https://researchmap.jp/h-ikegami/?lang=english</a>                 |
|  | UENISHI Koji   | Associate Professor, Graduate School of Engineering, The University of Tokyo   | Studies on the Generation Mechanism of Earthquakes Based on Fracture Dynamics of Solids and the Development of Controlled Fracture in Solids                        | <a href="https://researchmap.jp/read0078780/?lang=english">https://researchmap.jp/read0078780/?lang=english</a>             |
|  | UEMURA Takashi   | Associate Professor, Graduate School of Engineering, Kyoto University  | Creation of Functional Polymers Using Coordination Nanospaces   | <a href="https://researchmap.jp/read0094360/?lang=english">https://researchmap.jp/read0094360/?lang=english</a>             |
|  | KIGA Daisuke   | Associate Professor, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology   | Construction of Artificial Life System by Synthetic Biology   | <a href="https://researchmap.jp/synbio/?lang=english">https://researchmap.jp/synbio/?lang=english</a>                       |
|  | SAITOH Kunimasa  | Professor, Graduate School of Information Science and Technology, Hokkaido University  | A Study on Advanced Design and Applications of Microfine-Structured Optical Fibers  | <a href="https://researchmap.jp/KunimasaSaitoh/?lang=english">https://researchmap.jp/KunimasaSaitoh/?lang=english</a>       |
|  | SEKITANI Tsuyoshi  | Professor, The Institute of Scientific and Industrial Research, Osaka University   | Development of Ultraflexible Organic Transistor Integrated Circuits and Its Applications to Large-Area Sensors  | <a href="https://researchmap.jp/TSS/?lang=english">https://researchmap.jp/TSS/?lang=english</a>                             |
|  | NISHIDA Kiwamu   | Associate Professor, Earthquake Research Institute, The University of Tokyo  | Studies on Seismic Hum  | <a href="https://researchmap.jp/qnishida/?lang=english">https://researchmap.jp/qnishida/?lang=english</a>                   |
|  | HAYASHI Masahito   | Professor, Graduate School of Mathematics, Nagoya University   | Information Theory and Quantum Information Theory for Finite-Coding-Length  | <a href="https://www.math.nagoya-u.ac.jp/~masahito/index_j.html">https://www.math.nagoya-u.ac.jp/~masahito/index_j.html</a> |
| HINO Masanori  | Professor, Graduate School of Engineering Science, Osaka University  | Theory of Dirichlet Forms and Application to Stochastic Analysis   | <a href="https://researchmap.jp/hino_masanori/?lang=english">https://researchmap.jp/hino_masanori/?lang=english</a>   |   |
| MAEDA Satoshi  | Associate Professor, Graduate School of Science, Hokkaido University | Development of Theoretical Approaches for Automated Exploration of Chemical Reaction Pathways  | <a href="https://researchmap.jp/smaeda8/?lang=english">https://researchmap.jp/smaeda8/?lang=english</a>   |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | IGARASHI Kiyohiko  | Associate Professor, Graduate School of Agricultural and Life Science, The University of Tokyo   | Elucidation of Molecular Mechanisms in the Enzymatic Degradation of Cellulosic Biomass  | <a href="https://researchmap.jp/kiyohikoigarashi/?lang=english">https://researchmap.jp/kiyohikoigarashi/?lang=english</a>   |
|  | KAWAGUCHI Akira  | Chief, Department of Agricultural, Forestry and Fisheries, Okayama Prefectural Government  | Development of Biological Control for Grapevine Crown Gall  | <a href="https://researchmap.jp/Kawaguchia240/?lang=english">https://researchmap.jp/Kawaguchia240/?lang=english</a>         |
|  | Kitano Jun   | Professor, Department of Population Genetics, National Institute of Genetics, Research Organization of Information and systems   | Genetic Mechanisms of Speciation and Adaptive Evolution in Sticklebacks   | <a href="https://researchmap.jp/jkitano/?lang=english">https://researchmap.jp/jkitano/?lang=english</a>                     |
|  | TAKEUCHI Osamu   | Professor, Institute for Virus Research, Kyoto University  | Clarification of Molecular Mechanisms Underlying Inflammation Control in Innate Immunity  | <a href="https://researchmap.jp/otakeuti/?lang=english">https://researchmap.jp/otakeuti/?lang=english</a>                   |
|  | NISHIMURA Yukio  | Associate Professor, National Institute for Physiological Sciences, National Institutes of Natural Sciences  | Development of Neuroprosthesis and Understanding Neural Mechanism of Functional Recovery after Neural Damage  | <a href="https://researchmap.jp/kore2460/?lang=english">https://researchmap.jp/kore2460/?lang=english</a>                   |
|  | HASE Koji  | Professor, Faculty of Pharmacy, Keio University  | The Regulatory Mechanism of Mucosal Immune Response   | <a href="https://researchmap.jp/read0103013/?lang=english">https://researchmap.jp/read0103013/?lang=english</a>             |
|  | MATSUBAYASHI Yoshikatsu  | Professor, Graduate School of Science, Nagoya University   | Identification of Novel Peptide Hormones Involved in Plant Growth and Environmental Responses   | <a href="https://researchmap.jp/read0192530/?lang=english">https://researchmap.jp/read0192530/?lang=english</a>             |

## 11th (FY2014) JSPS Prize recipients

| Research Areas   | NAME                 | AFFILIATION  | RESEARCH TITLE   | URL<br>(as of December, 2021)   |
|--|----------------------|--|--|---|
| Integrated Disciplines   | TAKAGI Tsuyoshi      | Professor, Institute of Mathematics for Industry, Kyushu University  | Security Analysis and Efficient Implementation of Public-key Cryptography  | <a href="https://researchmap.jp/tsuyoshi.takagi/?lang=english">https://researchmap.jp/tsuyoshi.takagi/?lang=english</a> |
|  | TANAKA (OJI) Mami    | Professor, Graduate School of Biomedical Engineering, Tohoku University  | Investigation of Tactile Mechanism and a Tactile Sensor System   | <a href="https://researchmap.jp/read0184457/?lang=english">https://researchmap.jp/read0184457/?lang=english</a>         |
|  | HARA Takahiro        | Associate Professor, Graduate School of Information Science and Technology, Osaka University   | Data Management Technologies in Advanced Network Environments  | <a href="https://researchmap.jp/hara-osakau/?lang=english">https://researchmap.jp/hara-osakau/?lang=english</a>         |
|  | MIYAO Yusuke         | Associate Professor, Digital Content and Media Sciences Research Division, National Institute of Informatics, Research Organization of Information and Systems | Syntactic Parsing and Semantic Analysis of Natural Language and Its Applications   | <a href="https://researchmap.jp/yusuke/?lang=english">https://researchmap.jp/yusuke/?lang=english</a>                   |
| Humanities and Social Sciences   | ISHII Keiko          | Associate Professor, Graduate School of Humanities, Kobe University  | A Psychological Study on Culture and Cognition   | <a href="https://researchmap.jp/ishiik/?lang=english">https://researchmap.jp/ishiik/?lang=english</a>                   |
|  | SUWABE Koichi        | Associate professor, Graduate School of Humanities and Sociology, The University of Tokyo  | Study on the Modern American Novel   | <a href="https://nrid.nii.ac.jp/ja/nrid/1000060376845/">https://nrid.nii.ac.jp/ja/nrid/1000060376845/</a>               |
|  | SEKIGUCHI Tadashi    | Professor, Institute of Economic Research, Kyoto University  | A Dynamic Game Theory and Its Application to Economics   | <a href="https://researchmap.jp/read0212699/?lang=english">https://researchmap.jp/read0212699/?lang=english</a>         |
|  | TSURUMI Taro         | Associate Professor, Research and Development Bureau(Faculty of Liberal Arts), Saitama University  | A Historical Sociological Study on the Zionist Worldview as an Origin of the Israeli-Palestinian Conflict  | <a href="https://researchmap.jp/read0133285/?lang=english">https://researchmap.jp/read0133285/?lang=english</a>         |
|  | HASEGAWA Shuichi     | Associate Professor, College of Arts, Rikkyo University  | Studies on the History of the Southern Levant in the First Millennium B.C. Based on Epigraphic and Archaeological Sources and Critical Analysis of Biblical Text | <a href="https://researchmap.jp/shasegawa/?lang=english">https://researchmap.jp/shasegawa/?lang=english</a>             |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | ITO Kazuhide         | Associate Professor, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University  | Studies on Evaluating Respiratory Exposure by Fluid Engineering and Its Application in Indoor Environmental Design   | <a href="https://researchmap.jp/kazuhide.ito/?lang=english">https://researchmap.jp/kazuhide.ito/?lang=english</a>       |
|  | KOMABA Shinichi      | Professor, Faculty of Science Division I, Tokyo University of Science  | Study on Electrode Materials for Advanced Rechargeable Batteries   | <a href="https://researchmap.jp/read0053915/?lang=english">https://researchmap.jp/read0053915/?lang=english</a>         |
|  | SAITO Hirohide       | Professor, Center for iPS Cell Research and Application, Kyoto University  | Synthetic RNA Design Technologies to Control Cell Fate   | <a href="https://researchmap.jp/7000008581/?lang=english">https://researchmap.jp/7000008581/?lang=english</a>           |
|  | TATAMI Junichi       | Professor, Graduate School of Environment and Information Sciences, Yokohama National University   | Reliability Improvement of Ceramics by Advanced Powder Processing Based on Elucidation of Fracture Mechanisms  | <a href="https://researchmap.jp/tatami-junichi/?lang=english">https://researchmap.jp/tatami-junichi/?lang=english</a>   |
|  | TANAKA Keiji         | Professor, Graduate School of Engineering, Kyushu University   | Study on Structure, Physical Properties and Function of Polymers at Interfaces   | <a href="https://researchmap.jp/read0067420/?lang=english">https://researchmap.jp/read0067420/?lang=english</a>         |
|  | TODA Yukinobu        | Project Associate Professor, the Todai Institutes for Advanced Study, Kavli Institute for the Physics and Mathematics of the Universe, The University of Tokyo | Derived Category of Coherent Sheaves and Counting Invariants   | <a href="https://researchmap.jp/yukinobu.toda/?lang=english">https://researchmap.jp/yukinobu.toda/?lang=english</a>     |
|  | NAKATSUJI Satoru     | Associate Professor, Institute for Solid State Physics, The University of Tokyo  | Exploration of Novel Quantum Phenomena in Strongly Correlated Electron Systems   | <a href="https://researchmap.jp/7000018569/?lang=english">https://researchmap.jp/7000018569/?lang=english</a>           |
|  | HIGASHIWAKI Masataka | Managing Director/Director of the Center, Advanced ICT Research Institute, National Institute of Information and Communications Technology                     | Pioneering Research and Development on Wide Bandgap Semiconductor Transistors  | <a href="https://researchmap.jp/read0143261/?lang=english">https://researchmap.jp/read0143261/?lang=english</a>         |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | IGAKI Tatsushi       | Professor, Graduate School of Biostudies, Kyoto University   | Genetic Study for Cell Competition that Regulates Tumorigenesis  | <a href="https://researchmap.jp/read0191144/?lang=english">https://researchmap.jp/read0191144/?lang=english</a>         |
|  | ISHII Masaru         | Professor, Graduate School of Frontier Biosciences, Osaka University   | Mechanism for Bone Remodeling by In Vivo Imaging of Bone Immune Cell   | <a href="https://researchmap.jp/read0076684/?lang=english">https://researchmap.jp/read0076684/?lang=english</a>         |
|  | KABASHIMA Kenji      | Associate Professor, Graduate School of Medicine, Kyoto University   | Study toward the Control and Non-invasive Diagnosis of Atopic Dermatitis via Understanding of Its Mechanism  | <a href="https://researchmap.jp/read0069897/?lang=english">https://researchmap.jp/read0069897/?lang=english</a>         |
|  | SATO Yutaka          | Associate Professor, Graduate School of Bioagricultural Sciences, Nagoya University  | Studies on Plant Embryogenesis and Genome Evolution through the Action of Small RNA Pathways   | <a href="https://researchmap.jp/read0132953/?lang=english">https://researchmap.jp/read0132953/?lang=english</a>         |
|  | SUZUKI Atsushi       | Professor, Medical Institute of Bioregulation, Kyushu University   | Development of Methodologies for Isolation and Characterization of Hepatic Stem Cells, and Identification of Factors Determining Hepatic Cell Fate               | <a href="https://researchmap.jp/read0142876/?lang=english">https://researchmap.jp/read0142876/?lang=english</a>         |
|  | NAKAMURA Kazuhiro    | Associate Professor, Center for the Promotion of Interdisciplinary Education and Research, Kyoto University  | Study of the Neural Mechanism that Controls Thermal Homeostasis  | <a href="https://researchmap.jp/kazu/?lang=english">https://researchmap.jp/kazu/?lang=english</a>                       |
|  | HAMANO Yoshimitsu    | Associate Professor, Department of Bioscience, Fukui Prefectural University  | Biosynthetic Mechanism of Homopoly Amino Acids Produced by Microorganisms  | <a href="https://researchmap.jp/hamano_research/?lang=english">https://researchmap.jp/hamano_research/?lang=english</a> |
|  | MOCHIZUKI Atsushi    | Chief Scientist, Theoretical Biology Laboratory, RIKEN   | Study for the Relation between the Dynamics and Structure of Regulatory Networks in Biology  | <a href="https://researchmap.jp/atsushi_mochi/?lang=english">https://researchmap.jp/atsushi_mochi/?lang=english</a>     |

### 10th (FY2013) JSPS Prize recipients

| Research Areas   | NAME  | AFFILIATION   | RESEARCH TITLE   | URL<br>(as of December, 2021)   |
|--|---|---|--|---|
| Integrated Disciplines   | ITO Takayuki  | Associate Professor, Graduate School of Engineering, Nagoya Institute of Technology   | Study on Theories and Applications of Automated Negotiating Mechanisms   | <a href="https://researchmap.jp/takayuki.it o/?lang=english">https://researchmap.jp/takayuki.it o/?lang=english</a>   |
|  | KAMITANI Yukiyasu                                       | Head of Department of Neuroinformatics, Brain Information Communication Research Laboratory Group, Advanced Telecommunications Research Institute International | Development of Brain Decoding Methods  | <a href="https://researchmap.jp/y_kamitani/?lang=english">https://researchmap.jp/y_kamitani/?lang=english</a>         |
|  | GOTO Masataka   | Prime Senior Researcher, Information Technology Research Institute, National Institute of Advanced Industrial Science and Technology                            | Pioneering Work on Understanding of Music and Speech by Computers and Its Interface Application                        | <a href="https://researchmap.jp/m.goto/?lang=english">https://researchmap.jp/m.goto/?lang=english</a>                 |
| Humanities and Social Sciences   | SATO Jin  | Associate Professor, Institute for Advanced Studies on Asia, The University of Tokyo  | International Policy Studies Based on Perceptions and Distribution of National Resources                               | <a href="https://researchmap.jp/satoj/?lang=english">https://researchmap.jp/satoj/?lang=english</a>                   |
|  | SHIMAMURA Ippei   | Associate Professor, School of Human Cultures, The University of Shiga Prefecture   | Studies on Ethnicities and Nationalism in Modern Mongolia  | <a href="https://researchmap.jp/IppeiShimamura/?lang=english">https://researchmap.jp/IppeiShimamura/?lang=english</a> |
|  | SOGA Kengo  | Professor, Graduate School of Law, Kobe University  | Theoretical and Statistical Analysis on the Bureaucracy in Contemporary Democracies                                    | <a href="https://researchmap.jp/kengosoga/?lang=english">https://researchmap.jp/kengosoga/?lang=english</a>           |
|  | NAKAJIMA Tomoyuki                                       | Professor, the Institute of Economic Research, Kyoto University   | Welfare Analysis of Macroeconomic Policy   | <a href="https://researchmap.jp/read0114634/?lang=english">https://researchmap.jp/read0114634/?lang=english</a>       |
|  | MURAKAMI Yasuhiko                                       | Associate Professor, Graduate School of Human Sciences, Osaka University  | Phenomenology of Medical Praxis  | <a href="https://researchmap.jp/read0066932/?lang=english">https://researchmap.jp/read0066932/?lang=english</a>       |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | ITAMI Kenichiro   | Director/Professor, Institute of Transformative Bio-Molecules, Nagoya University  | Development and Applications of Precise and Rapid Synthetic Methods for Arene-Assembled Molecules                      | <a href="https://researchmap.jp/read0057371/?lang=english">https://researchmap.jp/read0057371/?lang=english</a>       |
|  | IDE Satoshi   | Professor, Graduate School of Science, The University of Tokyo  | Physics on Earthquake Generation Applicable from Micro to Giant Scales   | <a href="https://nrid.nii.ac.jp/ja/nrid/1000090292713/">https://nrid.nii.ac.jp/ja/nrid/1000090292713/</a>             |
|  | UDA Tetsuya   | Associate Professor, Graduate School of Engineering, Kyoto University   | Study on Materials Processing Based on the Thermodynamics Properties   | <a href="https://researchmap.jp/7000008289/?lang=english">https://researchmap.jp/7000008289/?lang=english</a>         |
|  | OHTA Shin-ichi  | Associate Professor, Graduate School of Science, Kyoto University   | Geometric Analysis on Metric Measure Spaces  | <a href="https://researchmap.jp/7000008399/?lang=english">https://researchmap.jp/7000008399/?lang=english</a>         |
|  | OKADA Kenichi   | Associate Professor, Graduate School of Engineering, Tokyo Institute of Technology  | Reconfigurable Analog Integrated Circuit Design  | <a href="https://researchmap.jp/read0066536/?lang=english">https://researchmap.jp/read0066536/?lang=english</a>       |
|  | OKAMOTO Akimitsu  | Professor, Research Center for Advanced Science and Technology, The University of Tokyo   | Building of the High-performance Chemistry-based System for Monitoring of Nucleic Acid Functions                       | <a href="https://researchmap.jp/read0192950/?lang=english">https://researchmap.jp/read0192950/?lang=english</a>       |
|  | KAGEYAMA Hiroshi  | Professor, Graduate School of Engineering, Kyoto University   | Development of Functional Transition Metal Oxides by Low-Temperature Synthetic Methods                                 | <a href="https://researchmap.jp/7000008308/?lang=english">https://researchmap.jp/7000008308/?lang=english</a>         |
|  | KAWANO Yukio  | Associate Professor, Quantum Nanoelectronics Research Center, Tokyo Institute of Technology   | Study on Terahertz Imaging Technologies and their Use in Solid State Physics   | <a href="https://researchmap.jp/read0057200/?lang=english">https://researchmap.jp/read0057200/?lang=english</a>       |
|  | KIMURA Takashi  | Professor, Graduate School of Sciences, Kyushu University   | Development of Innovative Manipulation Method for Pure Spin Current and their Application for Nano-Scaled Spin Devices | <a href="https://researchmap.jp/80360535/?lang=english">https://researchmap.jp/80360535/?lang=english</a>             |
| KOBAYASHI Kensuke  | Professor, Graduate School of Science, Osaka University | Experimental Study on Many-body Effects and Nonequilibrium Fluctuations in Solid-state Quantum Devices  | <a href="https://researchmap.jp/read0057036/?lang=english">https://researchmap.jp/read0057036/?lang=english</a>        |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | ISHIKAWA Fumihiko                                       | Group Director and Chief Scientist, Center for Integrative Medical Sciences , RIKEN   | Development of Humanized Mouse System Enabling In Vivo Investigation of Human Leukemia and Therapeutic Approach        | <a href="https://nrid.nii.ac.jp/ja/nrid/1000030403918/">https://nrid.nii.ac.jp/ja/nrid/1000030403918/</a>             |
|  | INNAN Hideki  | Associate Professor, School of Advanced Sciences, the Graduate University of Advanced Studies   | Theoretical Elucidation of the Mechanisms of Evolution with Genomic Sequence Data                                      | <a href="https://researchmap.jp/hinnan/?lang=english">https://researchmap.jp/hinnan/?lang=english</a>                 |
|  | OHNISHI Yasuo   | Professor, Graduate School of Agricultural and Life Sciences, The University of Tokyo   | Studies on Regulation of Gene Expression and Biosynthesis of Secondary Metabolites in Actinomycetes                    | <a href="https://researchmap.jp/read0057183/?lang=english">https://researchmap.jp/read0057183/?lang=english</a>       |
|  | SAITOU Mitinori   | Professor, Graduate School of Medicine, Kyoto University  | Mechanism and Reconstitution In Vitro of Germ cell Development in Mice   | <a href="https://researchmap.jp/7000008794/?lang=english">https://researchmap.jp/7000008794/?lang=english</a>         |
|  | SATOU Yutaka  | Associate Professor, Graduate School of Science, Kyoto University   | Studies of the Genome of a Chordate Ciona Intestinalis and Elucidation of Gene Regulatory Networks in the Ciona Embryo | <a href="https://researchmap.jp/yutakasatou/?lang=english">https://researchmap.jp/yutakasatou/?lang=english</a>       |
|  | TSUTSUMI Yasuo  | Professor, Graduate School of Pharmaceutical Sciences, Osaka University   | Development of Innovated Drug Delivery System for Protein/Peptide Therapy  | <a href="https://researchmap.jp/ytsutsumi/?lang=english">https://researchmap.jp/ytsutsumi/?lang=english</a>           |
|  | MAGAI Takeharu  | Professor, The Institute of Scientific and Industrial Research, Osaka University  | Innovation of Bioimaging Technologies Based on Engineering Bioluminescent and Fluorescent Proteins                     | <a href="https://researchmap.jp/ng1/?lang=english">https://researchmap.jp/ng1/?lang=english</a>                       |

9th (FY2012) JSPS Prize recipients

| Research Areas   | NAME   | AFFILIATION   | RESEARCH TITLE   | URL<br>(as of December, 2021)   |
|--|--|---|--|---|
| Humanities and Social Sciences   | IKEMOTO Daisuke  | Associate Professor, Faculty of Law, Meiji Gakuin University  | European Monetary Integration 1970-79: British and French Experiences  | <a href="https://researchmap.jp/daisuke_ikemoto/?lang=english">https://researchmap.jp/daisuke_ikemoto/?lang=english</a>     |
|  | OKI Sayaka   | Associate Professor, Graduate School of Integrated Arts and Sciences, Hiroshima University  | A Study on the French Royal Academy of Science from the Viewpoints of History of Science and Technology and Social History | <a href="https://researchmap.jp/okisayaka/?lang=english">https://researchmap.jp/okisayaka/?lang=english</a>                 |
|  | TAKAHASHI Hidehiko   | Associate Professor, Graduate School of Medicine, Kyoto University  | Interdisciplinary Research on the Neural Mechanism of Emotional Decision-Making  | <a href="https://researchmap.jp/psy/?lang=english">https://researchmap.jp/psy/?lang=english</a>                             |
|  | HIRAI Hiroshi  | Research Fellow, Center for the History of Philosophy and Science, Radboud University   | Historical Studies on Life and Matter Theories in Renaissance and Early Modern Europe                                      | <a href="http://radboud.academia.edu/HiroHirai/">http://radboud.academia.edu/HiroHirai/</a>                                 |
|  | MATSUSHIMA Noriaki   | Professor, Institute of Social and Economic Research, Osaka University  | Theoretical Analysis of Industrial Organization  | <a href="https://researchmap.jp/read0116301/?lang=english">https://researchmap.jp/read0116301/?lang=english</a>             |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | ASAI Shoji   | Associate Professor, Graduate School of Science, the University of Tokyo  | Study of Higgs Particle Using the Energy-Frontier Collider LHC   | <a href="https://researchmap.jp/read0046396/?lang=english">https://researchmap.jp/read0046396/?lang=english</a>             |
|  | OIKAWA Katsunari   | Associate Professor, Graduate School of Engineering, Tohoku University  | Phase Diagrams Using Computational Thermodynamic and Its Application for New Alloy Development                             | <a href="https://researchmap.jp/read0121279/?lang=english">https://researchmap.jp/read0121279/?lang=english</a>             |
|  | OHTOMO Akira   | Professor, Graduate School of Science and Engineering, Tokyo Institute of Technology  | Metallic Conduction at Well-Defined Insulating Oxide Interface   | <a href="https://researchmap.jp/read0092106/?lang=english">https://researchmap.jp/read0092106/?lang=english</a>             |
|  | OGI Hirotsugu  | Associate Professor, Graduate School of Engineering Science, Osaka University   | Development of Ultrasensitive Thin-Film Oscillator Biosensor   | <a href="https://researchmap.jp/read0042771/?lang=english">https://researchmap.jp/read0042771/?lang=english</a>             |
|  | KAWARABAYASHI Ken-ichi   | Professor, Principles of Informatics Research Division, National Institute of Informatics, Research Organization of Information and Systems | Application of Advanced Graph Theory to Discrete Mathematics and Theoretical Computer Science                              | <a href="https://researchmap.jp/k_keniti/?lang=english">https://researchmap.jp/k_keniti/?lang=english</a>                   |
|  | SUZUKI Tsutomu   | Professor, Graduate School of Engineering, the University of Tokyo  | Direct Analysis of RNA Molecules by Mass Spectrometry Approaches Biological Processes                                      | <a href="https://researchmap.jp/tom_suzuki/?lang=english">https://researchmap.jp/tom_suzuki/?lang=english</a>               |
|  | SUMII Eijiro   | Associate Professor, Graduate School of Information Sciences, Tohoku University   | Proof Method of Program Equivalence by Environmental Bisimulation  | <a href="https://researchmap.jp/read0122063/?lang=english">https://researchmap.jp/read0122063/?lang=english</a>             |
|  | TSUKAGOSHI Kazuhito  | Principal Investigator, International Center for Materials Nanoarchitectonics, National Institute for Materials Science                     | Nano-Electronics Researches Based on Electrical Conduction Control in Nano-Carbon Conductors                               | <a href="https://researchmap.jp/researchmap-tsuka/?lang=english">https://researchmap.jp/researchmap-tsuka/?lang=english</a> |
|  | NAKANISHI Kenji  | Associate Professor, Graduate School of Science, Kyoto University   | Energy Concentration and Nonlinear Scattering Theory for Nonlinear Wave and Dispersive Equations                           | <a href="https://researchmap.jp/7000008615/?lang=english">https://researchmap.jp/7000008615/?lang=english</a>               |
|  | NIIKURA Hiromichi  | Associate Professor, Faculty of Science and Engineering, Waseda University  | Dynamical Measurements of Molecular Wavefunctions with Attosecond Time-Resolution  | <a href="https://researchmap.jp/hiromichiniikura/?lang=english">https://researchmap.jp/hiromichiniikura/?lang=english</a>   |
| MURAKAMI Shuichi   | Professor, Graduate School of Science and Engineering, Tokyo Institute of Technology | Theoretical Study of the Spin-Hall Effect and the Quantum Spin-Hall Effect  | <a href="https://researchmap.jp/read0052764/?lang=english">https://researchmap.jp/read0052764/?lang=english</a>            |   |
| YAMAGUCHI Shigehiro  | Professor, Research Center for Materials Science, Nagoya University                  | Creation and New Functions of $\pi$ -Electron Materials with Main Group Elements  | <a href="https://researchmap.jp/read0042645/?lang=english">https://researchmap.jp/read0042645/?lang=english</a>            |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | IKAWA Masahito   | Professor, Research Institute for Microbial Diseases, Osaka University  | Study on Reproductive Medicine Using Genetically Manipulated Animals   | <a href="https://researchmap.jp/read0054910/?lang=english">https://researchmap.jp/read0054910/?lang=english</a>             |
|  | IKEGAYA Yuji   | Associate Professor, Graduate School of Pharmaceutical Sciences, the University of Tokyo  | Clarification of the Cooperation Principle of Brain Circuitry Systems Using Functional Imaging                             | <a href="https://researchmap.jp/yuujiikegaya/?lang=english">https://researchmap.jp/yuujiikegaya/?lang=english</a>           |
|  | INOUE Akira  | Associate Professor, Clinical Research, Innovation and Education Center, Tohoku University Hospital   | Individualized Treatment for Advanced Lung Cancer with Molecular Targeting Agents  | <a href="https://researchmap.jp/read0211976/?lang=english">https://researchmap.jp/read0211976/?lang=english</a>             |
|  | KAIFU Yosuke   | Senior Researcher, Department of Anthropology, National Museum of Nature and Science  | Studies on Human Evolution and Dispersal in Asia   | <a href="https://researchmap.jp/read0185820/?lang=english">https://researchmap.jp/read0185820/?lang=english</a>             |
|  | KASAHARA Hiroyuki  | Senior Research Scientist, Plant Science Center, RIKEN  | Elucidation of the Main Auxin Biosynthesis Pathway in Plants   | <a href="https://researchmap.jp/hkasahara/?lang=english">https://researchmap.jp/hkasahara/?lang=english</a>                 |
|  | TANAKA Motomasa  | Team Leader, Brain Science Institute, RIKEN   | Understanding Biological Phenomena Caused by Protein Misfolding and Aggregation  | <a href="https://researchmap.jp/motomasa/?lang=english">https://researchmap.jp/motomasa/?lang=english</a>                   |
|  | NOJIRI Hideaki   | Associate Professor, Biotechnology Research Center, the University of Tokyo   | Molecular Bases of Xenobiotic-Degrading Capacity of Environmental Bacteria   | <a href="https://researchmap.jp/read0184924/?lang=english">https://researchmap.jp/read0184924/?lang=english</a>             |

8th (FY2011) JSPS Prize recipients

| Research Areas   | NAME   | AFFILIATION   | RESEARCH TITLE   | URL<br>(as of December, 2021)   |
|--|--|---|--|---|
| Humanities and Social Sciences   | AOYAMA Waka  | Associate Professor, Research Faculty of Media and Communication, Hokkaido University                               | An Ethnographic Study of Poverty in the Philippines: Socio-Economic Life of the Sama-Bajau in Davao City   | <a href="https://researchmap.jp/read0076899/?lang=english">https://researchmap.jp/read0076899/?lang=english</a> |
|  | ICHI Hiroki  | Associate Professor, Graduate School of Letters, Osaka University   | Wooden Tablets and the Transportation System in Ancient Japan  | <a href="https://researchmap.jp/read0070722/?lang=english">https://researchmap.jp/read0070722/?lang=english</a> |
|  | KUWAKINO Koji  | Associate Professor, Graduate School of Letters, Osaka University   | Issues in Mnemonics and Visual Representation of Architectural Space in Modern Italy   | <a href="https://researchmap.jp/pisagarden/?lang=english">https://researchmap.jp/pisagarden/?lang=english</a>   |
|  | HIRATA Satoshi   | Program-Specific Associate Professor, Primate Research Institute, Kyoto University                                  | Quest for the Evolutionary Origins of Social Intelligence Through the Comparative Cognitive Studies in Humans and Chimpanzees                      | <a href="https://researchmap.jp/read0142782/?lang=english">https://researchmap.jp/read0142782/?lang=english</a> |
|  | MIYAKE Kiyoshi   | Associate Professor, Institute for Research in Humanities, Kyoto University   | A History of the Penal System in Ancient China   | <a href="https://researchmap.jp/read0212663/?lang=english">https://researchmap.jp/read0212663/?lang=english</a> |
|  | MORIGUCHI Chiaki   | Professor, Institute of Economic Research, Hitotsubashi University  | Comparative Historical Analysis of Institutional Developments in the USA and Japan   | <a href="https://researchmap.jp/read0147432/?lang=english">https://researchmap.jp/read0147432/?lang=english</a> |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | ONO Teruo  | Professor, Institute for Chemical Research, Kyoto University  | The Basic and Applied Research of Spin-Devices Based on Nano-Magnetic Materials  | <a href="https://researchmap.jp/read0076305/?lang=english">https://researchmap.jp/read0076305/?lang=english</a> |
|  | KATSUMI Takeshi  | Professor, Graduate School of Global Environmental Studies, Kyoto University  | Performance-Based Approach for Preservation and Remediation of Geo-Environment   | <a href="https://researchmap.jp/read0096640/?lang=english">https://researchmap.jp/read0096640/?lang=english</a> |
|  | KUMAGAI Takashi  | Professor, Research Institute for Mathematical Sciences, Kyoto University   | Analysis and Theory of Stochastic Processes on Disordered Media  | <a href="https://researchmap.jp/read0014409/?lang=english">https://researchmap.jp/read0014409/?lang=english</a> |
|  | SHINOKUBO Hiroshi  | Professor, Graduate School of Engineering, Nagoya University  | Development of Novel Synthetic Methods of Functional Porphyrins  | <a href="https://researchmap.jp/read0112433/?lang=english">https://researchmap.jp/read0112433/?lang=english</a> |
|  | SUENAGA Kazutomo   | Prime Senior Researcher, Nanotube Research Center, National Institute of Advanced Industrial Science and Technology | Observation and Analysis of Single-Molecule and Single-Atom by Electron-Microscope   | <a href="https://researchmap.jp/read0120473/?lang=english">https://researchmap.jp/read0120473/?lang=english</a> |
|  | TAKAI Ken  | Program Director, Institute of Biogeosciences, Japan Agency for Marine-Earth Science and Technology                 | Study on the Extremobiosphere Driven by the Principal Biogeochemical Interactions, the Limits of Life and the Early Evolution of Life in the Earth | <a href="https://researchmap.jp/kentakai/?lang=english">https://researchmap.jp/kentakai/?lang=english</a>       |
|  | TANAKA Takahiro  | Professor, Yukawa Institute for Theoretical Physics, Kyoto University   | Gravity of Brane-World   | <a href="https://researchmap.jp/read0046586/?lang=english">https://researchmap.jp/read0046586/?lang=english</a> |
|  | TSUMOTO Kouhei   | Professor, Institute of Medical Science, The University of Tokyo  | Dissection of Protein Interactions for Innovations   | <a href="https://researchmap.jp/read0123465/?lang=english">https://researchmap.jp/read0123465/?lang=english</a> |
|  | NAKANO Takayoshi   | Professor, Graduate School of Engineering, Osaka University   | Novel Materials Scientific Study on Bone Microstructure and Biomaterials for Bone Replacement  | <a href="https://researchmap.jp/read0013987/?lang=english">https://researchmap.jp/read0013987/?lang=english</a> |
|  | NISHIBAYASHI Yoshiaki  | Associate Professor, Graduate School of Engineering, The University of Tokyo  | Development of New System for Nitrogen Fixation Using Transition Metal Complexes   | <a href="https://researchmap.jp/read0046334/?lang=english">https://researchmap.jp/read0046334/?lang=english</a> |
| MATSUURA Kazunori  | Associate Professor, Graduate School of Engineering, Kyushu University | Construction of Artificial Nanostructures Through Self-Assembly of DNA or Peptides                                  | <a href="https://researchmap.jp/read0045966/?lang=english">https://researchmap.jp/read0045966/?lang=english</a>                                    |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | IEDA Masaki  | Project Assistant Professor, School of Medicine, Keio University  | Mechanisms of Heart Development and Regeneration   | <a href="https://researchmap.jp/read0121535/?lang=english">https://researchmap.jp/read0121535/?lang=english</a> |
|  | INABA Kenji  | Associate Professor, Medical Institute of Bioregulation, Kyushu University  | Clarification of Disulfide Linkage and Cleavage Systems Involved in Quality Control of Cellular Proteins   | <a href="https://researchmap.jp/7000014658/?lang=english">https://researchmap.jp/7000014658/?lang=english</a>   |
|  | URANO Yasuteru   | Professor, Graduate School of Medicine, The University of Tokyo   | Development of Innovative Fluorescence Probes for Live Imaging of Tumors and Cellular Responses  | <a href="https://researchmap.jp/uranokun/?lang=english">https://researchmap.jp/uranokun/?lang=english</a>       |
|  | KINOSHITA Kengo  | Professor, Graduate School of Information Sciences, Tohoku University   | Prediction of Functions for the Genes with Unknown Functions Through Bioinformatics  | <a href="https://researchmap.jp/key/?lang=english">https://researchmap.jp/key/?lang=english</a>                 |
|  | TAKAYA Naoki   | Professor, Faculty of Life and Environmental Sciences, University of Tsukuba  | Diversity of Electron-Transferring Systems in Filamentous Fungi  | <a href="https://researchmap.jp/read0062131/?lang=english">https://researchmap.jp/read0062131/?lang=english</a> |
|  | TOMARI Yukihide  | Associate Professor, Institute of Molecular and Cellular Biosciences, The University of Tokyo                       | Molecular Dissection and Application of Small RNA Mechanisms   | <a href="https://researchmap.jp/tomari/?lang=english">https://researchmap.jp/tomari/?lang=english</a>           |
|  | NISHIMURA Emi  | Professor, Medical Research Institute, Tokyo Medical and Dental University  | Identification of Melanocyte Stem Cells and Mechanisms for their Maintenance and Aging   | <a href="https://researchmap.jp/read0131636/?lang=english">https://researchmap.jp/read0131636/?lang=english</a> |

## 7th (FY2010) JSPS Prize recipients

| Research Areas   | NAME  | AFFILIATION   | RESEARCH TITLE   | URL<br>(as of December, 2021)   |
|--|---|---|--|---|
| Humanities and Social Sciences   | KATSUMATA Etsuko  | Assistant Professor, School of Theology, Doshisha University  | An Analytic Study of Judaic Literature Based on Aramaic and Hebrew Texts   | <a href="https://researchmap.jp/read0153584/?lang=english">https://researchmap.jp/read0153584/?lang=english</a>                       |
|  | TAKAGISHI Akira   | Associate Professor, Graduate School of Decision Science and Technology, Tokyo Institute of Technology                          | A Study of the Execution and Appreciation of Picture Handscrolls in the Muromachi Period   | <a href="https://researchmap.jp/art1/?lang=english">https://researchmap.jp/art1/?lang=english</a>                                     |
|  | MATSUDA Yasumasa  | Professor, Graduate School of Economics and Management, Tohoku University   | Theory of Spatial Time Series Analysis and Its Application to Spatial Econometrics   | <a href="https://researchmap.jp/read0143857/?lang=english">https://researchmap.jp/read0143857/?lang=english</a>                       |
|  | MORI Tadashi  | Associate Professor, Graduate Schools for Law and Politics, The University of Tokyo   | Historical Development of the Right of Self-Defence in International Law   | <a href="http://www.j.u-tokyo.ac.jp/faculty/mori_tadashi/">http://www.j.u-tokyo.ac.jp/faculty/mori_tadashi/</a>                       |
|  | YAMANAKA Yuriko   | Associate Professor, National Museum of Ethnology, National Institutes for the Humanities                                       | A Comparative Study of Alexander the Great's Images in the Medieval Middle East  | <a href="https://researchmap.jp/read0060661/?lang=english">https://researchmap.jp/read0060661/?lang=english</a>                       |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | IYAMA Osamu   | Professor, Graduate School of Mathematics, Nagoya University  | Representation Theory of Orders  | <a href="https://researchmap.jp/read0132971/?lang=english">https://researchmap.jp/read0132971/?lang=english</a>                       |
|  | OOI Takashi   | Professor, Graduate School of Engineering, Nagoya University  | Developments of Asymmetric Syntheses with Chiral Ammonium and Chiral Tetraaminophosphonium Salts   | <a href="https://researchmap.jp/read0183674/?lang=english">https://researchmap.jp/read0183674/?lang=english</a>                       |
|  | OZAWA Takeaki   | Professor, Graduate School of Science, The University of Tokyo  | Reconstitution of Reporter Proteins by Using Dissection and Reconstruction of Fluorescent Proteins   | <a href="https://researchmap.jp/ozawa19375/?lang=english">https://researchmap.jp/ozawa19375/?lang=english</a>                         |
|  | KIMURA Tsuyoshi   | Professor, Graduate School of Engineering Science, Osaka University   | Development of Magnetoelectric Materials and Phenomena   | <a href="https://researchmap.jp/F-8090-2018/?lang=english">https://researchmap.jp/F-8090-2018/?lang=english</a>                       |
|  | SAITOH Eiji   | Professor, Institute for Materials Research, Tohoku University  | Exploration of Physical Phenomena and Application Technology Based on Spin Currents  | <a href="https://researchmap.jp/read0149950/?lang=english">https://researchmap.jp/read0149950/?lang=english</a>                       |
|  | SATO Yoichi   | Professor, Institute of Industrial Science, The University of Tokyo   | Pioneering Work in Image-Based Modeling for Digital Content Creation   | <a href="https://researchmap.jp/ysato/?lang=english">https://researchmap.jp/ysato/?lang=english</a>                                   |
|  | TSUCHIYA Taku   | Professor, Geodynamics Research Center, Ehime University  | Theoretical and Computational Study on the Ultrahigh-Pressure Properties of Earth and Planetary Materials  | <a href="https://researchmap.jp/takutsuchiya/?lang=english">https://researchmap.jp/takutsuchiya/?lang=english</a>                     |
|  | TORISAWA Kentaro  | Group Leader, Knowledge Creating Communication Research Center, National Institute of Information and Communications Technology | Automatic Construction of Large-Scale Knowledge Bases from the Web and Their Application to Web Search   | <a href="https://researchmap.jp/torisawa/?lang=english">https://researchmap.jp/torisawa/?lang=english</a>                             |
|  | FUKUMURA Tomoteru   | Associate Professor, Graduate School of Science, The University of Tokyo  | Invention of Magnetic Oxide Semiconductor  | <a href="https://researchmap.jp/read0075749/?lang=english">https://researchmap.jp/read0075749/?lang=english</a>                       |
|  | FUKUYAMA Hiroyuki   | Professor, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University                                    | Novel Materials Processing Based on Chemical Thermodynamics and Development of Thermophysical Property Measurements  | <a href="https://researchmap.jp/read0042514/?lang=english">https://researchmap.jp/read0042514/?lang=english</a>                       |
| WATANABE Heiji   | Professor, Graduate School of Engineering, Osaka University | Creation of Next-Generation Electronics Based on Semiconductor Surface and Interface Science                                    | <a href="http://www.dma.jim.osaka-u.ac.jp/view?l=ja&amp;u=6421">http://www.dma.jim.osaka-u.ac.jp/view?l=ja&amp;u=6421</a>  |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | ITO Masahiro  | Professor, Faculty of Life Sciences, Toyo University  | Properties of Bacterial Flagellar Motor Powered by Hybrid Stators  | <a href="https://researchmap.jp/g0000197042/?lang=english">https://researchmap.jp/g0000197042/?lang=english</a>                       |
|  | UEDA Hiroki   | Project Leader, Center for Developmental Biology, RIKEN   | Understanding of Design Principles in Mammalian Circadian Clocks   | <a href="https://researchmap.jp/hiroki.ueda/?lang=english">https://researchmap.jp/hiroki.ueda/?lang=english</a>                       |
|  | KITAOKA Takuya  | Associate Professor, Faculty of Agriculture, Kyushu University  | Functional Architectonics of Polysaccharides and Fiber Materials   | <a href="https://researchmap.jp/read0162783/?lang=english">https://researchmap.jp/read0162783/?lang=english</a>                       |
|  | KUZUYAMA Tomohisa   | Associate Professor, Biotechnology Research Center, The University of Tokyo   | Diversity in Microbial Terpenoid Biosynthetic Pathways   | <a href="https://researchmap.jp/read0123438/?lang=english">https://researchmap.jp/read0123438/?lang=english</a>                       |
|  | TAKEDA Shu  | Associate Professor, School of Medicine, Keio University  | Neuronal Control of Bone Metabolism  | <a href="https://researchmap.jp/read0206898/?lang=english">https://researchmap.jp/read0206898/?lang=english</a>                       |
|  | MATSUURA Kenji  | Associate Professor, Graduate School of Environmental Science, Okayama University   | Ecological Researches on Termite Social Systems and Their Applications to Termite Control  | <a href="https://researchmap.jp/project_matsuura/?lang=english">https://researchmap.jp/project_matsuura/?lang=english</a>             |
|  | YAMAUCHI Toshimasa  | Lecturer, Graduate School of Medicine, The University of Tokyo  | Identification of Receptors for Fat-Derived Hormone Adiponectin and Clarification of Molecular Mechanisms for Their Anti-diabetic Actions Including Exercise-Mimicking Effects | <a href="https://www.u-tokyo.ac.jp/focus/ja/people/people002749.html">https://www.u-tokyo.ac.jp/focus/ja/people/people002749.html</a> |
|  | YAMASAKI Sho  | Professor, Medical Institute of Bioregulation, Kyushu University  | Self and Non-Self Recognition through Immune Receptors   | <a href="https://researchmap.jp/read0117961/?lang=english">https://researchmap.jp/read0117961/?lang=english</a>                       |
|  | WATANABE Masao  | Professor, Graduate School of Life Sciences, Tohoku University  | Identification of Gene loci Responsible for Self-Nonself Discrimination and Elucidation of Molecular Discrimination Mechanism in Cruciferae Self-Incompatibility               | <a href="https://researchmap.jp/masaowatanabe9808577/?lang=english">https://researchmap.jp/masaowatanabe9808577/?lang=english</a>     |

Titles and affiliations current as of 1 December 2010

## 6th (FY2009) JSPS Prize recipients

| Research Areas   | NAME  | AFFILIATION   | RESEARCH TITLE   | URL<br>(as of December, 2021)   |
|--|---|---|--|---|
| Humanities and Social Sciences   | IDA Takanori  | Professor, Graduate School of Economics, Kyoto University   | Behavioral Economic Study of Consumer Preference on Information and Health   | <a href="https://researchmap.jp/read0185923/?lang=english">https://researchmap.jp/read0185923/?lang=english</a>                                   |
|  | KASHINAGA Masao   | Associate Professor, National Institutes for the Humanities, National Museum of Ethnology           | A Study on the Transmission of the Tai Dam Culture   | <a href="https://researchmap.jp/kashinaga1971/?lang=english">https://researchmap.jp/kashinaga1971/?lang=english</a>                               |
|  | KAWAI Nobuyuki  | Associate Professor, Graduate School of Information Science, Nagoya University                      | Comparative Psychology on the Origin of Cognition and Learning   | <a href="https://researchmap.jp/kawai/?lang=english">https://researchmap.jp/kawai/?lang=english</a>   |
|  | NISHIMURA Ryo   | Research Fellow, The Eastern Institute  | The Buddhist Thoughts in Early Modern Japan focusing on the Scholar-Monk Fujaku 1707-1781                            | <a href="https://researchmap.jp/read0204850/?lang=english">https://researchmap.jp/read0204850/?lang=english</a>                                   |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | IGARASHI Takeo  | Associate Professor, Graduate School of Information Science and Technology, The University of Tokyo | Intuitive Design Interface for 3D Computer Graphics  | <a href="https://researchmap.jp/takeo_igarashi/?lang=english">https://researchmap.jp/takeo_igarashi/?lang=english</a>                             |
|  | OZAWA Narutaka  | Associate Professor, Graduate School of Mathematical Sciences, The University of Tokyo              | Theory of Discrete Groups and Operator Algebras  | <a href="https://researchmap.jp/read0157397/?lang=english">https://researchmap.jp/read0157397/?lang=english</a>                                   |
|  | KIKUCHI Kazuya  | Professor, Graduate School of Engineering, Osaka University   | Design, Synthesis and Biological Application of Chemical Probes, which Convert Biological Signals to Chemical Output | <a href="http://www.dma.jim.osaka-u.ac.jp/view?l=ja&amp;u=1838">http://www.dma.jim.osaka-u.ac.jp/view?l=ja&amp;u=1838</a>                         |
|  | SATO Osamu  | Professor, Institute for Materials Chemistry and Engineering, Kyushu University                     | Development of Tunable Magnetic Materials  | <a href="http://hyoka.ofc.kyushu-u.ac.jp/search/details/K002751/index.html">http://hyoka.ofc.kyushu-u.ac.jp/search/details/K002751/index.html</a> |
|  | SHIBATA Masaru  | Professor, Yukawa Institute for Theoretical Physics, Kyoto University                               | Numerical Relativity and its Application   | <a href="https://researchmap.jp/read0042873/?lang=english">https://researchmap.jp/read0042873/?lang=english</a>                                   |
|  | SUGINOME Michinori  | Professor, Graduate School of Engineering, Kyoto University   | Study on New Catalytic Organic Syntheses Based on the Design of Novel Boron Reagents                                 | <a href="https://researchmap.jp/read0042669/?lang=english">https://researchmap.jp/read0042669/?lang=english</a>                                   |
|  | TAKEUCHI Shigeki  | Professor, Research Institute for Electronic Science, Hokkaido University                           | Realization of Quantum Information Processing and Communication Using Photons  | <a href="https://researchmap.jp/shigeki-takeuchi/?lang=english">https://researchmap.jp/shigeki-takeuchi/?lang=english</a>                         |
|  | TAKEUCHI Shoji  | Associate Professor, Institute of Industrial Science, The University of Tokyo                       | Nanobio Research Based on Microfluidic Device Technologies   | <a href="https://researchmap.jp/tlab/?lang=english">https://researchmap.jp/tlab/?lang=english</a>   |
|  | CHIBA Shigeru   | Professor, Graduate School of Information Science and Engineering, Tokyo Institute of Technology    | A Programming System with Load-time Reflection   | <a href="https://researchmap.jp/chibash/?lang=english">https://researchmap.jp/chibash/?lang=english</a>   |
|  | HATA Kenji  | Group Leader, Nanotube Research Center, Advanced Industrial Science and Technology                  | Research on Carbon Nanotube Syntheses and its Applications   | <a href="https://researchmap.jp/read0120771/?lang=english">https://researchmap.jp/read0120771/?lang=english</a>                                   |
|  | FUJII Satoshi   | Professor, Graduate School of Engineering, Kyoto University   | Social-science Based Engineering Research on Social Dilemmas and its Practice for Real World Problems                | <a href="https://researchmap.jp/read0102137/?lang=english">https://researchmap.jp/read0102137/?lang=english</a>                                   |
|  | MOCHIZUKI Takuro  | Associate Professor, Research Institute for Mathematical Sciences, Kyoto University                 | Study on the Asymptotic Behavior of Harmonic Bundles   | <a href="https://researchmap.jp/7000008400/?lang=english">https://researchmap.jp/7000008400/?lang=english</a>                                     |
| YUASA Shinji   | Group Leader, Nanotechnology Research Institute, National Institute of Advanced Industrial Science and Technology | Development of High Performance Magnetic Tunnel Junction Devices                                    | <a href="https://researchmap.jp/read0121009/?lang=english">https://researchmap.jp/read0121009/?lang=english</a>      |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | GOTOH Yukiko  | Professor, Institute of Molecular and Cellular Biosciences, The University of Tokyo                 | Elucidation of Signaling Molecules Regulating Cell Fate  | <a href="https://researchmap.jp/ygotoh/?lang=english">https://researchmap.jp/ygotoh/?lang=english</a>   |
|  | SAKAKIBARA Hitoshi  | Group Director, RIKEN Plant Science Center  | Biosynthetic Mechanisms and a Novel Function of a Plant Hormone, Cytokinin   | <a href="https://researchmap.jp/read0117955/?lang=english">https://researchmap.jp/read0117955/?lang=english</a>                                   |
|  | SHIRANE Michiko   | Associate Professor, Medical Institute of Bioregulation, Kyushu University                          | Regulation of Neuronal Function by Vesicular Trafficking   | <a href="https://researchmap.jp/michikoshirane/?lang=english">https://researchmap.jp/michikoshirane/?lang=english</a>                             |
|  | TAKEDA Kiyoshi  | Professor, Graduate School of Medicine, Osaka University  | Regulation of Homeostasis in Intestinal Mucosal Immune System  | <a href="https://researchmap.jp/read0118278/?lang=english">https://researchmap.jp/read0118278/?lang=english</a>                                   |
|  | TOUHARA Kazushige   | Professor, Graduate School of Agricultural and Life Sciences, The University of Tokyo               | Studies on Molecular Mechanisms Underlying Odorant and Pheromone Reception   | <a href="https://researchmap.jp/touhara/?lang=english">https://researchmap.jp/touhara/?lang=english</a>   |
|  | HIGASHIYAMA Tetsuya   | Professor, Graduate School of Science, Nagoya University  | Behavior and Molecular Mechanism of Plant Reproduction Commencing with Pollen Tube Guidance                          | <a href="https://researchmap.jp/read0057151/?lang=english">https://researchmap.jp/read0057151/?lang=english</a>                                   |
|  | MURATA Shigeo   | Professor, Graduate School of Pharmaceutical Sciences, The University of Tokyo                      | Functional Analysis of Mammalian Proteasomes and Their Diversity   | <a href="https://researchmap.jp/Shigeo_Murata/?lang=english">https://researchmap.jp/Shigeo_Murata/?lang=english</a>                               |
|  | YAMASHITA Toshihide   | Professor, Graduate School of Medicine, Osaka University  | Molecular Mechanisms Regulating the Regeneration and Plasticity of Injured Central Nervous System                    | <a href="https://researchmap.jp/ToshihideYamashita/?lang=english">https://researchmap.jp/ToshihideYamashita/?lang=english</a>                     |

Titles and affiliations current as of 1 December 2009

5th (FY2008) JSPS Prize recipients

| Research Areas   | NAME   | AFFILIATION  | RESEARCH TITLE  | URL<br>(as of December, 2021)   |
|--|--|--|---|---|
| Humanities and Social Sciences   | ARITA Shin   | Associate Professor, Graduate School of Arts and Sciences, The University of Tokyo                                 | Educational Structure and Social Stratification in Korea and Japan  | <a href="https://researchmap.jp/shinarity/?lang=english">https://researchmap.jp/shinarity/?lang=english</a>   |
|  | NAKAI Asako  | Associate Professor, Graduate School of Language and Society, Hitotsubashi University                              | English-Language Literatures and Postcolonial Criticism   | <a href="https://researchmap.jp/asakonakai/?lang=english">https://researchmap.jp/asakonakai/?lang=english</a>   |
|  | FURUSAWA Taiji   | Professor, Graduate School of Economics, Hitotsubashi University   | Game Theoretic Approach to International Political Economy  | <a href="https://researchmap.jp/read0123845/?lang=english">https://researchmap.jp/read0123845/?lang=english</a>   |
|  | MIYA Noriko  | Assistant Professor, Institute for Research in Humanities, Kyoto University  | Cultural Policy and Publishing Activities during the Mongol Period  | <a href="https://researchmap.jp/read0193036/?lang=english">https://researchmap.jp/read0193036/?lang=english</a>   |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | ITOH Kohei   | Professor, the Faculty of Science and Technology, Keio University  | Establishment of Semiconductor Isotope Engineering  | <a href="https://researchmap.jp/kmitoh/?lang=english">https://researchmap.jp/kmitoh/?lang=english</a>   |
|  | INOUE Kunio  | Professor, Graduate School of Science, Tohoku University   | Precision Measurement of Reactor Neutrino Oscillations"   | <a href="https://researchmap.jp/read0170584/?lang=english">https://researchmap.jp/read0170584/?lang=english</a>   |
|  | INOUE Masayuki   | Professor, Graduate School of Pharmaceutical Sciences, The University of Tokyo                                     | Total Syntheses of Marine Polycyclic Ethers   | <a href="https://researchmap.jp/read0065595/?lang=english">https://researchmap.jp/read0065595/?lang=english</a>   |
|  | UEDA Masahito  | Professor, Graduate School of Science, The University of Tokyo   | Theory of Ultracold Atomic Gases  | <a href="https://www.s.u-tokyo.ac.jp/ja/people/ueda_masahito/">https://www.s.u-tokyo.ac.jp/ja/people/ueda_masahito/</a>   |
|  | OGO Seiji  | Professor, Center for Future Chemistry, Kyushu University  | Hydrogen-Activation with Water-Soluble Metal-Aqua Complexes in Water under Ambient Conditions             | <a href="https://researchmap.jp/seijiogoo/?lang=english">https://researchmap.jp/seijiogoo/?lang=english</a>   |
|  | KOBAYASHI Naoki  | Professor, Graduate School of Information Sciences, Tohoku University  | Type Theory for Software Verification   | <a href="https://researchmap.jp/naokikob/?lang=english">https://researchmap.jp/naokikob/?lang=english</a>   |
|  | SOMEYA Takao   | Associate Professor, School of Engineering, The University of Tokyo  | Fundamental Research on Organic Transistors and their Applications to Large-Area Electronics              | <a href="https://researchmap.jp/read0118315/?lang=english">https://researchmap.jp/read0118315/?lang=english</a>   |
|  | TSUJI Takeshi  | Associate Professor, Graduate School of Mathematical Sciences, The University of Tokyo                             | p-adic Hodge Theory and its Application   | <a href="https://www.ms.u-tokyo.ac.jp/teacher/tsuji.html">https://www.ms.u-tokyo.ac.jp/teacher/tsuji.html</a>   |
|  | TSUJI Nobuhiro   | Professor, Graduate School of Engineering, Kyoto University  | Study on Ultrafine Grained Metallic Materials   | <a href="https://researchmap.jp/read0185249/?lang=english">https://researchmap.jp/read0185249/?lang=english</a>   |
|  | NOTOMI Masaya  | Nippon Telegraph and Telephone Corporation, NTT Basic Research Laboratories, Senior Research Scientist, Supervisor | Discovery and Applications of Novel Functions of Photonic Crystals  | <a href="https://www.rd.ntt/organization/researcher/superior/s_014.html">https://www.rd.ntt/organization/researcher/superior/s_014.html</a>                               |
| HIROSE Kei   | Professor, Graduate School of Science and Engineering, Tokyo Institute of Technology | Experimental Study of Earth and Planetary Materials at Ultra-High Pressure and Temperature                         | <a href="https://researchmap.jp/50270921/?lang=english">https://researchmap.jp/50270921/?lang=english</a> |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | KATSUNO Masahisa   | Designated Associate Professor, Institute for Advanced Research, Nagoya University                                 | Development of Pathogenesis-Based Therapy for Neurodegenerative Diseases                                  | <a href="https://researchmap.jp/masahisakatsuno/?lang=english">https://researchmap.jp/masahisakatsuno/?lang=english</a>   |
|  | KOIZUMI Shuichi  | Professor, Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi                  | Glial Regulation of the Brain Function  | <a href="https://researchmap.jp/shuicikhikoizumi/?lang=english">https://researchmap.jp/shuicikhikoizumi/?lang=english</a>   |
|  | SAWAMURA Tatsuya   | Director, Department of Vascular Physiology, National Cardiovascular Center  | Elucidation of the Mechanisms of Vascular Dysfunction Leading to Cardiovascular Diseases                  | <a href="http://www.shinshu-u.ac.jp/faculty/medicine/chair/i-1seiri/Tatsuya%20Sawamura">http://www.shinshu-u.ac.jp/faculty/medicine/chair/i-1seiri/Tatsuya%20Sawamura</a> |
|  | SHIRAHIGE Katsuhiko  | Professor, Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology                          | Establishment and Applications of Chromosome Analysis Technology Based on Genomic Information             | <a href="https://researchmap.jp/read0205391/?lang=english">https://researchmap.jp/read0205391/?lang=english</a>   |
|  | TORII U Keiko  | Associate Professor, Department of Biology, University of Washington   | Mechanisms of Stomatal Patterning and Differentiation in Plants   | <a href="https://researchmap.jp/stomata/?lang=english">https://researchmap.jp/stomata/?lang=english</a>   |
|  | NUREKI Osamu   | Professor, The Institute of Medical Science, The University of Tokyo   | Structural Basis for the Dynamic Mechanism of Genetic Code Translation                                    | <a href="https://researchmap.jp/read0076981/?lang=english">https://researchmap.jp/read0076981/?lang=english</a>   |
|  | YANAGISAWA Jun   | Professor, TARA Center, University of Tsukuba  | Study of the Molecular Mechanisms for Energy Homeostasis in cells   | <a href="https://researchmap.jp/read0003112/?lang=english">https://researchmap.jp/read0003112/?lang=english</a>   |
|  | YOSHIMURA Takashi  | Professor, Graduate School of Bioagricultural Sciences, Nagoya University  | Seasonal Clock Percepts Coming of Spring in Vertebrate - Quail as a Model Animal                          | <a href="https://researchmap.jp/read0056043/?lang=english">https://researchmap.jp/read0056043/?lang=english</a>   |
|  | WAKAYAMA Teruhiko  | Team Leader, Center for Developmental Biology, Riken   | Development of Novel Biotechnologies for Animal Reproduction  | <a href="https://researchmap.jp/clone/?lang=english">https://researchmap.jp/clone/?lang=english</a>   |

Titles and affiliations current as of 1 December 2008

4th (FY2007) JSPS Prize recipients

| Research Areas   | NAME  | AFFILIATION   | RESEARCH TITLE  | URL<br>(as of December, 2021)   |
|--|---|---|---|---|
| Humanities and Social Sciences   | AOYAMA Kazuo  | Professor, The College of Humanities, Ibaraki University  | Study on Classic Maya Domestic Lives and Political and Economic Organization                                    | <a href="https://researchmap.jp/read0051885/?lang=english">https://researchmap.jp/read0051885/?lang=english</a>               |
|  | ISHIKAWA Yoshihiro  | Associate Professor, Institute for Research in Humanities, Kyoto University   | History of the Chinese Communist Party, and the Modern Sino-Japanese Cultural Interactions                      | <a href="https://researchmap.jp/read0212672/?lang=english">https://researchmap.jp/read0212672/?lang=english</a>               |
|  | IWASHITA Akihiro  | Professor, Slavic Research Center, Hokkaido University  | Russian Foreign Policy and Sino-Russian Relations   | <a href="https://researchmap.jp/read0062563/?lang=english">https://researchmap.jp/read0062563/?lang=english</a>               |
|  | KIKUSAWA Ritsuko  | Associate Professor, National Museum of Ethnology, National Institutes for the Humanities   | Diachronic Studies of Austronesian Languages and Cultures   | <a href="https://researchmap.jp/Kikusawa_Ritsuko/?lang=english">https://researchmap.jp/Kikusawa_Ritsuko/?lang=english</a>     |
|  | NOZAKI Daichi   | Associate Professor, Graduate School of Education, The University of Tokyo  | Neural Mechanism of Motor Control and Learning in Human Movement  | <a href="https://researchmap.jp/dnozaiki/?lang=english">https://researchmap.jp/dnozaiki/?lang=english</a>                     |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | ISHIBUCHI Hisao   | Professor, Graduate School of Engineering, Osaka Prefecture University  | Pioneering Research for the Advancement of Computational Intelligence   | <a href="https://researchmap.jp/read0020978/?lang=english">https://researchmap.jp/read0020978/?lang=english</a>               |
|  | OHKOSHI Shin-ichi   | Professor, Graduate School of Science, The University of Tokyo  | Design and Demonstration of New Magnetic Properties Based on Magneto Chemistry                                  | <a href="https://www.s.u-tokyo.ac.jp/ja/people/ohkoshi_shinichi/">https://www.s.u-tokyo.ac.jp/ja/people/ohkoshi_shinichi/</a> |
|  | OHTSUKI Tomotada  | Associate Professor, Research Institute for Mathematical Sciences, Kyoto University   | Invariants of Knots and 3-Dimensional Manifolds   | <a href="https://researchmap.jp/read0007858/?lang=english">https://researchmap.jp/read0007858/?lang=english</a>               |
|  | OKABE Satoshi   | Associate Professor, Graduate School of Engineering, Hokkaido University  | Analysis of Complex Microbial Community Structure and Function in Multispecies Biofilms                         | <a href="https://researchmap.jp/read0118371/?lang=english">https://researchmap.jp/read0118371/?lang=english</a>               |
|  | OKI Taikan  | Professor, Institute of Industrial Science, The University of Tokyo   | Predicting the Variations of Global Hydrological Cycles and the Balance of World Water Resources                | <a href="https://researchmap.jp/read0103029/?lang=english">https://researchmap.jp/read0103029/?lang=english</a>               |
|  | OSHIKAWA Masaki   | Professor, The Institute for Solid State Physics, The University of Tokyo   | New Insight on Magnetic and Transport Properties in Quantum Many-Body Systems"                                  | <a href="https://researchmap.jp/MasakiOshikawa/?lang=english">https://researchmap.jp/MasakiOshikawa/?lang=english</a>         |
|  | TABATA Hitoshi  | Professor, Graduate School of Engineering, The University of Tokyo  | Studies on Fusion Electronics of Nano-Bio and Oxide Artificial Superlattices                                    | <a href="https://researchmap.jp/read0185229/?lang=english">https://researchmap.jp/read0185229/?lang=english</a>               |
|  | NISHIZAKA Takayuki  | Associate Professor, Faculty of Science, Gakushuin University   | Single-Molecule Studies of Structure-Function Coupling in Protein Machines                                      | <a href="https://researchmap.jp/read0114524/?lang=english">https://researchmap.jp/read0114524/?lang=english</a>               |
|  | HAZUMI Masashi  | Professor, Institute of Particle and Nuclear Studies, High Energy Accelerator Research Organization   | Discovery of CP Violation in B Mesons   | <a href="https://researchmap.jp/masashi.hazumi/?lang=english">https://researchmap.jp/masashi.hazumi/?lang=english</a>         |
| MATSUMOTO Makoto   | Professor, Graduate School of Science, Hiroshima University | Development of Practically Ideal Random Number Generator  | <a href="https://researchmap.jp/read0088619/?lang=english">https://researchmap.jp/read0088619/?lang=english</a> |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | ASHIKARI Motoyuki   | Professor, Bioscience and Biotechnology Center, Nagoya University   | Identification of the Gene Regulates for Grain Production and Application of the Gene for Crop Breeding         | <a href="https://researchmap.jp/read0118460/?lang=english">https://researchmap.jp/read0118460/?lang=english</a>               |
|  | TSUKAYA Hirokazu  | Professor, Graduate School of Science, The University of Tokyo  | Studies on Mechanisms of Leaf Morphogenesis   | <a href="https://researchmap.jp/read0180563/?lang=english">https://researchmap.jp/read0180563/?lang=english</a>               |
|  | NAKADA Kazuto   | Associate Professor, Graduate School of Life and Environmental Sciences, University of Tsukuba  | Elucidation of the Pathogenic Mechanisms in Mitochondrial DNA-Based Diseases                                    | <a href="https://researchmap.jp/read0062171/?lang=english">https://researchmap.jp/read0062171/?lang=english</a>               |
|  | HAYASHI Yasunori  | Unit Leader, RIKEN Brain Science Institute<br>Assistant Professor, RIKEN-MIT Neuroscience Research Center, The Picower Institute for Learning and Memory, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology | Molecular Mechanisms of Hippocampal Synaptic Plasticity   | <a href="https://researchmap.jp/2rikenbsi/?lang=english">https://researchmap.jp/2rikenbsi/?lang=english</a>                   |
|  | HIRAO Atsushi   | Professor, Cancer Research Institute, Kanazawa University   | Molecular Mechanisms for Maintenance of Hematopoietic Stem Cell Pool  | <a href="https://researchmap.jp/read0122111/?lang=english">https://researchmap.jp/read0122111/?lang=english</a>               |
|  | FUKATSU Takema  | Group Leader, Institute for Biological Resources and Functions, National Institute of Advanced Industrial Science and Technology  | Studies on Insect-Microbe Symbiotic Systems   | <a href="https://researchmap.jp/read0005209/?lang=english">https://researchmap.jp/read0005209/?lang=english</a>               |
|  | FUJIWARA Toru   | Associate Professor, Biotechnology Research Center, The University of Tokyo   | Discovery of Boron Transporters from Plants   | <a href="https://researchmap.jp/read0007557/?lang=english">https://researchmap.jp/read0007557/?lang=english</a>               |
|  | MIZUSHIMA Noboru  | Professor, Graduate School and Faculty of Medicine, Tokyo Medical and Dental University   | Studies on the Molecular Mechanism of Autophagy and its Implications for Protein Metabolism                     | <a href="https://researchmap.jp/read0079761/?lang=english">https://researchmap.jp/read0079761/?lang=english</a>               |

Titles and affiliations current as of 1 December 2007

3rd (FY2006) JSPS Prize recipients

| Research Areas   | NAME   | AFFILIATION  | RESEARCH TITLE   | URL<br>(as of December, 2021)   |
|--|--|--|--|---|
| Humanities and Social Sciences   | ISHIHARA Aeka  | Associate Professor, Faculty of Business and Commerce, Keio University   | Goethe's "Buch der Natur": Reception of Natural Sciences in German Literature during the 18th & 19th Centuries | <a href="https://researchmap.jp/read0061369/?lang=english">https://researchmap.jp/read0061369/?lang=english</a>                 |
|  | KAJII Atsushi  | Professor, Institute of Economic Research, Kyoto University  | Microeconomic Theory of Uncertainty and Information  | <a href="https://researchmap.jp/read0165671/?lang=english">https://researchmap.jp/read0165671/?lang=english</a>                 |
|  | KONDO Takahiro   | Associate Professor, Graduate School of Education and Human Development, Nagoya University   | Comparative Study on History Education Policies as Factors of International Relations                          | <a href="https://researchmap.jp/read0045950/?lang=english">https://researchmap.jp/read0045950/?lang=english</a>                 |
|  | FUKUE Mitsuru  | Curator, Tateyama Museum of Toyama   | The Actual Development of Tateyama Beliefs during the Edo Period   | <a href="https://www.acoffice.jp/hruhpf/KgApp?kyoinId=yomisgbykgy">https://www.acoffice.jp/hruhpf/KgApp?kyoinId=yomisgbykgy</a> |
|  | MIZOGUCHI Koji   | Associate Professor, Graduate School of Social and Cultural Studies, Kyushu University   | Theoretical and Methodological Development of Social Archaeology and its Applications                          | <a href="https://researchmap.jp/read0184775/?lang=english">https://researchmap.jp/read0184775/?lang=english</a>                 |
|  | WATANABE Chikako Esther  | Associate Professor, Department of International Studies, Osaka Gakuin Junior College  | Narratological Interpretation of the Art of Ancient Mesopotamia  | <a href="https://researchmap.jp/read0048160/?lang=english">https://researchmap.jp/read0048160/?lang=english</a>                 |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | OHKUMA Takeshi   | Professor, Graduate School of Engineering, Hokkaido University   | Development of Asymmetric Hydrogenation of Ketones   | <a href="https://researchmap.jp/7033-Takumi2TOK/?lang=english">https://researchmap.jp/7033-Takumi2TOK/?lang=english</a>         |
|  | OHMORI Kenji   | Professor, Institute for Molecular Science, National Institutes of Natural Sciences  | Development of Attosecond Coherent Control and Its Applications  | <a href="https://www.ims.ac.jp/research/prof/ohmori.html">https://www.ims.ac.jp/research/prof/ohmori.html</a>                   |
|  | KAWASAKI Masashi   | Professor, Institute for Materials Research, Tohoku University   | Exploration of Oxide Electronics through Perfect Epitaxy   | <a href="https://researchmap.jp/read0008381/?lang=english">https://researchmap.jp/read0008381/?lang=english</a>                 |
|  | HOU Zhaomin (China)  | Chief Scientist, RIKEN (The Institute of Physical and Chemical Research)   | Development of New Organo-Rare-Earth-Metal Polymerization Catalysts and Novel Functional Materials             | <a href="https://researchmap.jp/hourik/en/?lang=english">https://researchmap.jp/hourik/en/?lang=english</a>                     |
|  | KOBAYASHI Toshiyuki  | Professor, Research Institute for Mathematical Sciences, Kyoto University  | Theory of Lie Groups - Their Infinite Dimensional Representations and Discontinuous Groups                     | <a href="https://researchmap.jp/read0123904/?lang=english">https://researchmap.jp/read0123904/?lang=english</a>                 |
|  | SUGIYAMA Naoshi  | Professor, Graduate School of Science, Nagoya University   | Theoretical Studies on Cosmic Microwave Background   | <a href="https://researchmap.jp/read0007751/?lang=english">https://researchmap.jp/read0007751/?lang=english</a>                 |
|  | TANAKA Masaaki   | Professor, Graduate School of Engineering, The University of Tokyo   | Ferromagnet-Semiconductor Hybrid Structures and Their Applications to Spin-Electronics                         | <a href="https://researchmap.jp/read0052763/?lang=english">https://researchmap.jp/read0052763/?lang=english</a>                 |
|  | TSUBAKI Noritatsu (FAN Li)   | Professor, Graduate School of Engineering, University of Toyama  | Development of New Catalytic Processes of Alternative Energy   | <a href="https://researchmap.jp/read0075519/?lang=english">https://researchmap.jp/read0075519/?lang=english</a>                 |
|  | DOYA Kenji   | Principal Investigator, Okinawa Institute of Science and Technology  | A Computational Approach to Network and Molecular Mechanisms of the Brain                                      | <a href="https://researchmap.jp/doya/?lang=english">https://researchmap.jp/doya/?lang=english</a>                               |
| FURUSAWA Akira   | Associate Professor, Graduate School of Engineering, The University of Tokyo | Basic Study of Quantum Information Networks  | <a href="https://researchmap.jp/furusawa/?lang=english">https://researchmap.jp/furusawa/?lang=english</a>      |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | ARAKI Takashi  | Professor, Graduate School of Biostudies, Kyoto University   | Studies on Regulatory Mechanisms of Flowering in Plants  | <a href="https://researchmap.jp/Takashi_S_Araki/?lang=english">https://researchmap.jp/Takashi_S_Araki/?lang=english</a>         |
|  | IWATA So   | David Blow Chair of Biophysics and Director of Centre for Structural Biology, Division of Molecular Biosciences, Imperial College London | Crystallographic Studies of Membrane Protein Complexes   | <a href="https://researchmap.jp/7000008761/?lang=english">https://researchmap.jp/7000008761/?lang=english</a>                   |
|  | KATAGIRI Hideki  | Professor, Graduate School of Medicine, Tohoku University  | Discovery of Novel Inter-organ Communication in Glucose and Energy Homeostasis                                 | <a href="https://researchmap.jp/read0095300/?lang=english">https://researchmap.jp/read0095300/?lang=english</a>                 |
|  | SAWAMOTO Kazunobu  | Associate Professor, School of Medicine, Keio University   | Cellular Proliferation, Differentiation and Migration in Neural Development and Regeneration                   | <a href="https://researchmap.jp/kazunobusawamoto/?lang=english">https://researchmap.jp/kazunobusawamoto/?lang=english</a>       |
|  | TANAKA Shinji  | Associate Professor, Information Center for Medical Sciences, Tokyo Medical and Dental University  | Development of Molecular Therapy for Digestive Cancers Based on Surgical Analysis                              | <a href="https://researchmap.jp/shinjitanaaka/?lang=english">https://researchmap.jp/shinjitanaaka/?lang=english</a>             |
|  | FURUKAWA Takahisa  | Head, Department of Developmental Biology, Osaka Bioscience Institute  | Analysis of the Molecular Mechanisms of Vertebrate Retinal Development   | <a href="https://researchmap.jp/read0083689/?lang=english">https://researchmap.jp/read0083689/?lang=english</a>                 |
|  | MIYAWAKI Atsushi   | Group Director, Team Leader, RIKEN (The Institute of Physical and Chemical Research)   | Multidisciplinary Research and Development of Fluorescent Proteins   | <a href="https://researchmap.jp/AtsushiMiyawaki/?lang=english">https://researchmap.jp/AtsushiMiyawaki/?lang=english</a>         |
|  | YAMANAKA Shinya  | Professor, Institute for Frontier Medical Sciences, Kyoto University   | Generation of Pluripotent Stem Cells by Nuclear Reprogramming  | <a href="https://researchmap.jp/read0161457/?lang=english">https://researchmap.jp/read0161457/?lang=english</a>                 |
|  | YOSHIZAKI Goro   | Associate Professor, Faculty of Marine Science, Tokyo University of Marine Science and Technology  | Development of a Novel Fish-culture Method Using Germ-cell Transplantation                                     | <a href="https://researchmap.jp/goro.kaiyodai/?lang=english">https://researchmap.jp/goro.kaiyodai/?lang=english</a>             |

Titles and affiliations current as of 1 December 2006

2nd (FY2005) JSPS Prize recipients

| Research Areas   | NAME  | AFFILIATION  | RESEARCH TITLE  | URL<br>(as of December, 2021)   |
|--|---|--|---|---|
| Humanities and Social Sciences   | AKIYAMA Akira   | Associate Professor, Faculty of Education, Tokyo Gakugei University  | Studies on German Art in the Age of Dürer   | <a href="https://www.u-tokyo.ac.jp/focus/ja/people/people000278.html">https://www.u-tokyo.ac.jp/focus/ja/people/people000278.html</a>                                 |
|  | TOMONAGA Masaki   | Associate Professor, Primate Research Institute, Kyoto University  | Comparative Studies on Primate Foundation of Human Cognition and Development  | <a href="https://researchmap.jp/masakitomonaga/?lang=english">https://researchmap.jp/masakitomonaga/?lang=english</a>   |
|  | NISHIDA Shin'ya   | Senior Research Scientist, Supervisor, NTT Communication Science Laboratories, Nippon Telegraph and Telephone Corporation  | Psychophysical Study on the Mechanism of Information Processing in Human Visual Perception                              | <a href="https://researchmap.jp/shinyanishida/?lang=english">https://researchmap.jp/shinyanishida/?lang=english</a>   |
|  | HOSHI (HAMADA) Izumi  | Associate Professor, Research Institute for Languages and Cultures of Asia and Africa, Tokyo University of Foreign Studies | Descriptive Linguistics of Modern Tibetan (Lhasa Dialect)   | <a href="https://researchmap.jp/hoshi_izumi/?lang=english">https://researchmap.jp/hoshi_izumi/?lang=english</a>   |
|  | MATSUI Akihiko  | Professor, Faculty of Economics, The University of Tokyo   | Game Theoretic Approach to Interpret General Social Phenomena   | <a href="http://www.amatsui.e.u-tokyo.ac.jp/index_j.html">http://www.amatsui.e.u-tokyo.ac.jp/index_j.html</a>   |
|  | MORIYAMA Mikihiro   | Professor, Faculty of Foreign Studies, Nanzan University   | The Formation of the Modern Sundanese Literature: A Cultural History  | <a href="https://researchmap.jp/18roseworthy/?lang=english">https://researchmap.jp/18roseworthy/?lang=english</a>   |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | ANDO Yoichi   | Senior Research Scientist, Materials Science Research Laboratory, Central Research Institute of Electric Power Industry    | Research on Competing Electronic Phases and Hidden Order in High-Temperature Superconductors                            | <a href="http://www.ss.scphys.kyoto-u.ac.jp/TQP/member/profile/profile_c01_ando.html">http://www.ss.scphys.kyoto-u.ac.jp/TQP/member/profile/profile_c01_ando.html</a> |
|  | IMAHORI Hiroshi   | Professor, Graduate School of Engineering, Kyoto University  | Applications of Carbon Nanostructures for Artificial Photosynthesis   | <a href="https://researchmap.jp/read0201571/?lang=english">https://researchmap.jp/read0201571/?lang=english</a>   |
|  | KAGEYAMA Akira  | Group Leader, Earth Simulator Center, Japan Agency for Marine-Earth Science and Technology                                 | Pioneering Research on Geomagnetic Field by Computer Simulation"  | <a href="https://researchmap.jp/kageyama.akira/?lang=english">https://researchmap.jp/kageyama.akira/?lang=english</a>   |
|  | KOSHIZUKA Seiichi   | Professor, Graduate School of Engineering, The University of Tokyo   | Development of a Particle Method for Multi-physics Simulations  | <a href="https://researchmap.jp/read0046336/?lang=english">https://researchmap.jp/read0046336/?lang=english</a>   |
|  | KODAMA Ryosuke  | Professor, Graduate School of Engineering, Osaka University  | Study on an Advanced Concept of Laser Fusion Ignition using Plasma Photonic Devices                                     | <a href="https://researchmap.jp/read0185211/?lang=english">https://researchmap.jp/read0185211/?lang=english</a>   |
|  | TAHARA Tahei  | Chief Scientist, RIKEN (The Institute of Physical and Chemical Research)   | Studies of Molecular Dynamics in the Condensed Phase by Ultrafast Time-Resolved Spectroscopy                            | <a href="https://researchmap.jp/read0118115/?lang=english">https://researchmap.jp/read0118115/?lang=english</a>   |
|  | NAKAJIMA Hiraku   | Professor, Graduate School of Science, Kyoto University  | Revolutionary Development of Geometric Representation Theory  | <a href="https://researchmap.jp/read0046399/?lang=english">https://researchmap.jp/read0046399/?lang=english</a>   |
|  | BABA Toshihiko  | Professor, Graduate School of Engineering, Yokohama National University  | Nanostructure Optoelectronics based on Photonic Crystals and Silicon Photonics  | <a href="https://researchmap.jp/baba_toshihiko/?lang=english">https://researchmap.jp/baba_toshihiko/?lang=english</a>   |
|  | MATSUOKA Satoshi  | Professor, The Global Scientific Information and Computing Center, Tokyo Institute of Technology                           | Modeling and Evaluating Massively-Scaled Parallel Scientific Application on Grids                                       | <a href="https://researchmap.jp/SatoshiMatsuokaHPC/?lang=english">https://researchmap.jp/SatoshiMatsuokaHPC/?lang=english</a>   |
| YOKOO Makoto   | Professor, Graduate School of Information Science and Electrical Engineering, Kyushu University | Research on Distributed Constraint Satisfaction Problem in Multi-Agent System  | <a href="https://researchmap.jp/read0124028/?lang=english">https://researchmap.jp/read0124028/?lang=english</a>         |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | AMAGAI Masayuki   | Professor, School of Medicine, Keio University   | Elucidation of Pathophysiological Mechanism of Autoimmune Skin Disease, Pemphigus, and Development of a New Mouse Model | <a href="https://researchmap.jp/read0190798/?lang=english">https://researchmap.jp/read0190798/?lang=english</a>   |
|  | IGARASHI Kazuhiko   | Professor, Graduate School of Medicine, Tohoku University  | Discovery of the Bach Transcription Factors and Elucidation of Their Function in Cell Differentiation and Body Defenses | <a href="https://researchmap.jp/read0122128/?lang=english">https://researchmap.jp/read0122128/?lang=english</a>   |
|  | TAKEDA Shigenobu  | Associate Professor, Graduate School of Agricultural and Life Sciences, The University of Tokyo                            | Studies on the Role of Iron as a Key Nutrient Regulating Primary Production of Phytoplankton in the Ocean               | <a href="https://researchmap.jp/sgnbtkd1126/?lang=english">https://researchmap.jp/sgnbtkd1126/?lang=english</a>   |
|  | TACHIBANA Hirofumi  | Associate Professor, Faculty of Agriculture, Kyushu University   | Studies on Molecular Mechanisms for the Physiological Function of Tea Substances  | <a href="https://researchmap.jp/read0172449/?lang=english">https://researchmap.jp/read0172449/?lang=english</a>   |
|  | NOJI Hiroyuki   | Professor, Institute of Scientific and Industrial Research, Osaka University   | Frontier Biochemistry of ATP Synthase by Manipulating Single Molecules  | <a href="https://www.u-tokyo.ac.jp/focus/ja/people/people000547.html">https://www.u-tokyo.ac.jp/focus/ja/people/people000547.html</a>                                 |
|  | MA Jian Feng  | Professor, Research Institute for Bioresources, Okayama University   | Studies on Tolerance Mechanisms of Mineral Stresses in Higher Plants  | <a href="https://researchmap.jp/read0195370/?lang=english">https://researchmap.jp/read0195370/?lang=english</a>   |
|  | YAMAZAKI Kenji  | Assistant Professor, Department of Cardiovascular Surgery, Tokyo Women's Medical University                                | Development of an Implantable Centrifugal Blood Pump for Long-term Circulatory Support in Heart Failure                 | <a href="https://www.asahikawa-med-surgery.jp/staff/surge1/yamazaki">https://www.asahikawa-med-surgery.jp/staff/surge1/yamazaki</a>                                   |
|  | WATANABE Yoshinori  | Professor, Institute of Molecular and Cellular Biosciences, The University of Tokyo  | Mechanisms that Lead to the Difference in Equational and Reductional Chromosome Segregation                             | <a href="https://researchmap.jp/read0007799/?lang=english">https://researchmap.jp/read0007799/?lang=english</a>   |

Titles and affiliations current as of 1 December 2005

1st (FY2004) JSPS Prize recipients

| Research Areas   | NAME  | AFFILIATION   | RESEARCH TITLE  | URL<br>(as of December, 2021)   |
|--|---|---|---|---|
| Humanities and Social Sciences   | KATSUMATA Naoya   | Associate Professor, Graduate School of Human and Environmental Studies, Kyoto University   | Comparative Studies on Mediterranean/Middle Eastern Cultures and Literatures from the Perspective of Medieval Hebrew Literature | <a href="https://researchmap.jp/7000008487/?lang=english">https://researchmap.jp/7000008487/?lang=english</a>   |
|  | KUROSAKI Takashi  | Associate Professor, Institute of Economic Research, Hitotsubashi University  | Micro-econometric Research on Economic Development  | <a href="https://researchmap.jp/read0188783/?lang=english">https://researchmap.jp/read0188783/?lang=english</a>   |
|  | TAGA Gentaro  | Associate Professor, Graduate School of Education, The University of Tokyo  | Developmental Brain Research on Mechanism of Human Locomotion and Perception  | <a href="https://researchmap.jp/gtaga/?lang=english">https://researchmap.jp/gtaga/?lang=english</a>   |
|  | TAKETANI Etsuko   | Associate Professor, Graduate School of Humanities and Social Sciences, University of Tsukuba   | American Studies Dealing with the Colonialistic Discourses of US Women Writers  | <a href="https://researchmap.jp/read0030406/?lang=english">https://researchmap.jp/read0030406/?lang=english</a>   |
|  | MURAKAMI Ikuya  | Senior Research Scientist, NTT Communication Science Laboratories, Nippon Telegraph and Telephone Corporation   | Psychophysical Research on Interactions among Visual Modules  | <a href="https://researchmap.jp/ikuyamurakami/?lang=english">https://researchmap.jp/ikuyamurakami/?lang=english</a>   |
|  | WATANABE Yasushi  | Associate Professor, Faculty of Environmental Information, Keio University  | Ethnographical Studies on the Politics of Culture and Communities in Contemporary America                                       | <a href="https://researchmap.jp/read0116069/?lang=english">https://researchmap.jp/read0116069/?lang=english</a>   |
| Mathematics; Physical Sciences; Chemistry; Engineering Sciences                      | AOKI Sinya  | Professor, Graduate School of Pure and Applied Sciences, University of Tsukuba  | Research on Particle Physics through Method of Lattice-gauge Theory   | <a href="https://researchmap.jp/read0018527/?lang=english">https://researchmap.jp/read0018527/?lang=english</a>   |
|  | ISHIHARA Kazuaki  | Professor, Graduate School of Engineering, Nagoya University  | Development of Artificial Small-molecule Green Catalysts  | <a href="https://researchmap.jp/read0011289/?lang=english">https://researchmap.jp/read0011289/?lang=english</a>   |
|  | OHNO Yuzo   | Associate Professor, Research Institute of Electrical Communication, Tohoku University  | Research on Spin Injection in Semiconductor Quantum Structure and on Electron/Nuclear Spin Properties                           | <a href="https://researchmap.jp/YuzoOhno/?lang=english">https://researchmap.jp/YuzoOhno/?lang=english</a>   |
|  | KATO Takashi  | Professor, School of Engineering, The University of Tokyo   | Development of Functional Materials using Self-organization   | <a href="https://researchmap.jp/Kato_UT/?lang=english">https://researchmap.jp/Kato_UT/?lang=english</a>   |
|  | KATORI Hidetoshi  | Associate Professor, School of Engineering, The University of Tokyo   | Development of Ultra-high Precision Atomic Clock using Optical Lattices   | <a href="https://researchmap.jp/read0067809/?lang=english">https://researchmap.jp/read0067809/?lang=english</a>   |
|  | KOBAYASHI Shu   | Professor, Graduate School of Pharmaceutical Sciences, The University of Tokyo  | Development of Environmentally Benign Reaction Processes through Restructuring of Organic Reaction Media                        | <a href="https://www.chem.s.u-tokyo.ac.jp/users/synorg/jp/staff/kobayashi/shukobayashi.html">https://www.chem.s.u-tokyo.ac.jp/users/synorg/jp/staff/kobayashi/shukobayashi.html</a> |
|  | SUZUKI Toshinori  | Chief Scientist, The Institute of Physical and Chemical Research (RIKEN)  | Imaging of Chemical Reactions using Molecular Beam Scattering Method  | <a href="https://researchmap.jp/read0179461/?lang=english">https://researchmap.jp/read0179461/?lang=english</a>   |
|  | TAKEI (KOYAGUCHI) Yasuko  | Associate Professor, Earthquake Research Institute, The University of Tokyo   | Advances in Solid Earth Science through Research on Dynamics of Solid-liquid Composites   | <a href="https://researchmap.jp/read0157462/?lang=english">https://researchmap.jp/read0157462/?lang=english</a>   |
|  | HABAZAKI Hiroki   | Associate Professor, Graduate School of Engineering, Hokkaido University  | Development of Nonequilibrium Functional Materials and Elucidation of Surface Reaction Mechanisms using Nonequilibrium Phases   | <a href="https://researchmap.jp/read0073996/?lang=english">https://researchmap.jp/read0073996/?lang=english</a>   |
|  | FUJISAWA Toshimasa  | Distinguished Technical Member, Senior Research Scientist, Supervisor, NTT Basic Research Laboratories, Nippon Telegraph and Telephone Corporation                        | Research on Quantum-state Control of Semiconductor Quantum Dots   | <a href="https://researchmap.jp/toshimasafujisawa/?lang=english">https://researchmap.jp/toshimasafujisawa/?lang=english</a>   |
| MOCHIZUKI Shinichi   | Professor, Research Institute for Mathematical Sciences, Kyoto University | Research on the Arithmetic Geometry of Hyperbolic Curves, including Solution via p-adic Methods of the Grothendieck Conjecture on Anabelian Geometry                      | <a href="https://researchmap.jp/7000008539/?lang=english">https://researchmap.jp/7000008539/?lang=english</a>                   |   |
| Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences | AKASHI Koichi   | Professor, Center for Cellular and Molecular Medicine, Kyusyu University Hospital   | Studies on Pathway of Lineage Specification from Hematopoietic Stem Cells   | <a href="https://researchmap.jp/koichiakashi/?lang=english">https://researchmap.jp/koichiakashi/?lang=english</a>   |
|  | UEMURA Tadashi  | Professor, Graduate School of Biostudies, Kyoto University  | Studies on Genetic Programs of Cell Polarity Underlying Multicellular Organization  | <a href="https://researchmap.jp/tadashiuemura/?lang=english">https://researchmap.jp/tadashiuemura/?lang=english</a>   |
|  | KUMANOGOH Atsushi   | Associate Professor, Research Institute for Microbial Diseases, Osaka University  | Studies on Regulation of Immune Responses by Semaphorins  | <a href="https://researchmap.jp/read0051725/?lang=english">https://researchmap.jp/read0051725/?lang=english</a>   |
|  | KOBAYASHI Michihiko   | Professor, Graduate School of Life and Environmental Sciences, University of Tsukuba  | Molecular and Functional Studies on Nitrile Metabolism and Its Application to Industrial Production                             | <a href="https://trios.tsukuba.ac.jp/researcher/0000001345">https://trios.tsukuba.ac.jp/researcher/0000001345</a>   |
|  | TAKAYANAGI Hiroshi  | Professor, Tokyo Medical and Dental University, Graduate School   | Studies on the Regulation of Bone Metabolism by the Immune System   | <a href="https://researchmap.jp/read0122719/?lang=english">https://researchmap.jp/read0122719/?lang=english</a>   |
|  | NAKAYAMA Keiichi  | Professor, Medical Institute of Bioregulation, Kyushu University  | Studies on Control Mechanisms for Cell Proliferation and Cell Death in Mammals  | <a href="https://researchmap.jp/keiichinakayama/?lang=english">https://researchmap.jp/keiichinakayama/?lang=english</a>   |
|  | HASEBE Mitsuyasu  | Professor, National Institute for Basic Biology, National Institutes of Natural Sciences; Professor, School of Life Science, The Graduate University for Advanced Studies | Molecular Phylogenetic and Evolutionary Developmental Studies of Plants   | <a href="https://researchmap.jp/mhasebe/?lang=english">https://researchmap.jp/mhasebe/?lang=english</a>   |
|  | WATANABE Naoki  | Associate Professor, Graduate School of Medicine, Kyoto University  | Studies on Molecular Dynamics of Actin Polymerization in Living Cells   | <a href="https://researchmap.jp/read0152050/?lang=english">https://researchmap.jp/read0152050/?lang=english</a>   |

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