

15th (FY2018) JSPS Prize recipients

NAME	AFFILIATION	RESEARCH TITLE
Ouchi Masami	Associate Professor, Institute for Cosmic Ray Research, The University of Tokyo	Observational Studies of the Early Universe with Ly α Emitters
Kashima Hisashi	Professor, Graduate School of Informatics, Kyoto University	Machine Learning Methods for Various Data Types as Foundations of Artificial Intelligence
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
Kida Yoshikata	Associate Professor, Graduate School of Mathematical Sciences, The University of Tokyo	Ergodic Theory of Group Actions, Orbit Equivalence
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
Goshima Gohta	Professor, Graduate School of Science, Nagoya University	New Mechanisms of Cytoskeleton Formation
Kojima Fuhito	Associate Professor, Department of Economics, Stanford University	Extension of Practical Matching Theory or Market Design
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
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
Takizawa Kenji	Professor, Faculty of Science and Engineering, Waseda University	New-Generation Computational Methods and Analyses of Flow Between Solid Surfaces in Contact
Takebe Takanori	Professor, Institute of Research, Tokyo Medical and Dental University. Associate Director, Center for Stem Cell and Organoid Medicine, Cincinnati Children's Hospital Medical Center. Assistant Professor, Division of Gastroenterology, Hepatology and Nutrition and Division of Developmental Biology, Cincinnati Children's Hospital Medical Center. Professor, Advanced Medical Research Center, Yokohama City University	Exploring Human Organ Development and Neogenesis from Pluripotent Stem Cells
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 PM _{2.5} Transportation
Tanaka Katsunori	Chief Scientist, Biofunctional Synthetic Chemistry Laboratory, RIKEN Cluster for Pioneering Research	In Vivo Synthetic Chemistry Using Glycan Drug Delivery System
Taniyasu Yoshitaka	Group Leader, NTT Corporation, NTT Basic Research Laboratories	Research on Wide Bandgap Semiconductor Ultraviolet Light-Emitting Devices
Nakao Yoshiaki	Professor, Graduate School of Engineering, Kyoto University	Development of Activation and Transformation Methods for Unreactive Bonds Based on Designed Metal Catalysis
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
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
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
Matsubayashi Tetsuya	Associate Professor, Osaka School of International Public Policy, Osaka University	Empirical Analysis of the Functioning and Social Consequences of Representative Democracy
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
Miyake Hiroe	Associate Professor, Interfaculty Initiative in Information Studies, The University of Tokyo	Standardization of Earthquake Ground Motion Prediction for Disaster Mitigation
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
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
Yamamoto Masahiro	Professor, Research Institute for Microbial Diseases, Osaka University	Analysis of Immunological Interface Between Host and Intracellular Pathogens
Yotsumoto Yuko	Associate Professor, Graduate School of Arts and Sciences, The University of Tokyo	Research on Functional and Anatomical Plasticity of Human Brain