

14th (FY2017) JSPS Prize recipients

Research Areas	NAME	AFFILIATION	RESEARCH TITLE
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
	KIGUCHI Manabu	Professor, School of Science, Tokyo Institute of Technology	Development of Measurement Methods for Single Molecule Junctions and Their Properties
	KIMURA Yuki	Associate Professor, Institute of Low Temperature Science, Hokkaido University	Elucidation of the Early Stages of Crystallization in View of Nanoscience, and Its Applications to Astronomy
	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
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
	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
	KITAMURA Yuto	Associate Professor, Graduate School of Education, The University of Tokyo	Theoretical Study on the Public Sphere in International Education Development
	NAKAYA So	Assistant Professor, Academic Assembly Institute of Education, Shinshu University	Research on State Formation in Late Medieval Italy
	NONAKA Tetsushi	Associate Professor, Graduate School of Human Development and Environment, Kobe University	Research on Flexible Action Control in Body-Environment System
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
	KONDO Takeshi	Associate Professor, The Institute for Solid State Physics, The University of Tokyo	Study of Pseudogap State of High-Tc Copper Oxide Superconductors
	SANDO Shinsuke	Professor, Graduate School of Engineering, The University of Tokyo	Development of Hyperpolarized NMR Molecular Probes for Sensing and Imaging Biological Systems
	SUGIMOTO Yoshiaki	Associate Professor, Graduate School of Frontier Sciences, The University of Tokyo	Measurement of Single Chemical Bonding Force and Its Control for Nanostructuring
	SUTOU Yuji	Associate Professor, Graduate School of Engineering, Tohoku University	Development of New Smart Materials through Phase Transformation Control
	HIRATA Akimasa	Professor, Graduate School of Engineering, Nagoya Institute of Technology	Integrated Simulation Techniques for Multiphysics and Physiological Response and Their Application
	HIRYU Shizuko	Professor, Faculty of Life and Medical Sciences, Doshisha University	Study on the Biosonar System of Bats
	YONETOKU Daisuke	Professor, Institute of Science & Engineering, Kanazawa University	Study of Radiation Mechanism of Gamma-ray Bursts Using Gamma-ray Polarimeter onboard Spacecraft
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
	KUHARA Atsushi	Professor, Faculty of Science and Engineering, Konan University	Molecular and Cellular Mechanisms Underlying Temperature Response in Nematoda
	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
	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
	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
	SATO Toshiro	Associate Professor, School of Medicine, Keio University	Development of Organoid Culture System for Elucidation of Human Diseases
	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
	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