13th (FY2016) JSPS Prize recipients

Research Areas	NAME	AFFILIATION	RESEARCH TITLE
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
	MATSUZAKI Masanori	Professor, Graduate School of Medicine, The University of Tokyo	Study of Cortical Plasticity Employing Optical Methods
	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
Humanities and Social Sciences	KAWAGUCHI Daiji	Professor, Graduate School of Economics, The University of Tokyo	Econometric Analysis of Inequality in Japanese Labor Market
	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
	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University	Proposing a New Interpretation of "Lü(律)"and"Ling(令)"in the Qin-Han Period, Based on a Reexamination of Historical Documents and Materials
	HOSHINO Takahiro	Professor, Faculty of Economics, Keio University	Latent Variable Approach to Selection Bias and Causal Inference
	MATSUMIYA Kazumichi	Associate Professor, Research Institute of Electrical Communication, Tohoku University	Psychophysical Study on Interactions between Visual Perception and Action
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
	CHIBA Daichi	Associate professor, Department of Applied Physics, The University of Tokyo	Study on Electrical Control of Magnetism
	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
	MAEDA Kazuhiko	Associate Professor, School of Science, Tokyo Institute of Technology	Development of Artificial Photosynthetic Systems Based on Semiconductor Photocatalysts
	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
	MURAKAMI Hiroshi	Professor, Graduate School of Engineering, Nagoya University	Ribosomal Synthesis of Peptides Involving Non-natural Amino Acids
	YANAGIDA Takayuki	Professor, Graduate School of Materials Science, Nara Institute of Science and Technology	Development of New Phosphors for Measurement of Quantum Energy Conversion
	YOSHIDA Naoki	Professor, Graduate School of Science, The University of Tokyo	Large-Scale Numerical Simulations of Structure Formation in the Early Universe
	WAKABAYASHI Katsunori	Professor, School of Science and Technology, Kwansei Gakuin University	Theory of Nanoscale Effects on Electronic Properties of Graphene
Biological Sciences; Agricultural Sciences; Medical, Dental, Pharmaceutical Sciences	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
	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
	NAKATOGAWA Hitoshi	Associate Professor, School of Life Science and Technology, Tokyo Institute of Technology	Biochemical Elucidation of the Molecular Basis of Autophagy
	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
	MATSUMOTO Masayuki	Professor, Faculty of Medicine, University of Tsukuba	Diversity of Dopamine Signals: Elucidation of Reward Signal and Cognitive-behavioral Signal
	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
	MORO Kazuyo	Team Leader, RIKEN-IMS	Identification and Characterization of a Novel Immune Cell
	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