

## 11th (FY2014) JSPS Prize recipients

Research Areas	NAME	AFFILIATION	RESEARCH TITLE
Integrated Disciplines	TAKAGI Tsuyoshi	Professor, Institute of Mathematics for Industry, Kyushu University	Security Analysis and Efficient Implementation of Public-key Cryptography
	TANAKA (OJI) Mami	Professor, Graduate School of Biomedical Engineering, Tohoku University	Investigation of Tactile Mechanism and a Tactile Sensor System
	HARA Takahiro	Associate Professor, Graduate School of Information Science and Technology, Osaka University	Data Management Technologies in Advanced Network Environments
	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
Humanities and Social Sciences	ISHII Keiko	Associate Professor, Graduate School of Humanities, Kobe University	A Psychological Study on Culture and Cognition
	SUWABE Koichi	Associate professor, Graduate School of Humanities and Sociology, The University of Tokyo	Study on the Modern American Novel
	SEKIGUCHI Tadashi	Professor, Institute of Economic Research, Kyoto University	A Dynamic Game Theory and Its Application to Economics
	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
	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
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
	KOMABA Shinichi	Professor, Faculty of Science Division I, Tokyo University of Science	Study on Electrode Materials for Advanced Rechargeable Batteries
	SAITO Hirohide	Professor, Center for iPS Cell Research and Application, Kyoto University	Synthetic RNA Design Technologies to Control Cell Fate
	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
	TANAKA Keiji	Professor, Graduate School of Engineering, Kyushu University	Study on Structure, Physical Properties and Function of Polymers at Interfaces
	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
	NAKATSUJI Satoru	Associate Professor, Institute for Solid State Physics, The University of Tokyo	Exploration of Novel Quantum Phenomena in Strongly Correlated Electron Systems
	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
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
	ISHII Masaru	Professor, Graduate School of Frontier Biosciences, Osaka University	Mechanism for Bone Remodeling by In Vivo Imaging of Bone Immune Cell
	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
	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
	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
	NAKAMURA Kazuhiro	Associate Professor, Center for the Promotion of Interdisciplinary Education and Research, Kyoto University	Study of the Neural Mechanism that Controls Thermal Homeostasis
	HAMANO Yoshimitsu	Associate Professor, Department of Bioscience, Fukui Prefectural University	Biosynthetic Mechanism of Homopoly Amino Acids Produced by Microorganisms
	MOCHIZUKI Atsushi	Chief Scientist, Theoretical Biology Laboratory, RIKEN	Study for the Relation between the Dynamics and Structure of Regulatory Networks in Biology