

17th (FY2020) JSPS Prize recipients

NAME	AFFILIATION	RESEARCH TITLE
INOUE Takanari	Professor, School of Medicine, Johns Hopkins University	Elucidation of Primary Cilia Functions with Innovative Molecular Tools
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
OMORI Toshihiro	Associate Professor, Graduate School of Engineering, Tohoku University	Development of New Materials through Alloy Design and Microstructural Control Using Phase Diagram
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
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
OKAMOTO Masanori	Associate Professor, Center for Bioscience Research and Education, Utsunomiya University	Elucidation of Action Mechanism of Phytohormone Abscisic Acid and Its Application
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
ODAKA Yuji	Associate Professor, Graduate School of Science, Kyoto University	Studies on Algebraic Geometry Using K-stability
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
SAITO Kohei	Associate Professor, Graduate School of Economics, Osaka City University	An Ecological Turn in Marxian Economics
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
SATOH Takashi	Professor, Graduate School and Faculty of Medicine, Tokyo Medical and Dental University	Research for Functional Diversity of Disorder-specific Macrophages
SHIOMI Junichiro	Professor, Graduate School of Engineering, The University of Tokyo	Innovation in Control and Design of Thermal Transport at the Nanoscale
SUGAYA Takuo	Associate Professor, Graduate School of Business, Stanford University	Proof of the General Theorem of Cooperative Behavior in Repeated Games with Private Monitoring
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
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
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
NISHINO Kunihiro	Professor, The Institute of Scientific and Industrial Research, Osaka University	Studies on the Function and Regulatory Mechanism of Bacterial Drug Efflux Pumps
NISHIHARA Hiroto	Professor, Advanced Institute for Materials Science, Tohoku University	Synthesis of Graphene Sponges and Development of Their New Functions
HAYASHI Masamitsu	Associate Professor, Graduate School of Science, The University of Tokyo	The Physics of Spin Dynamics in Magnetic Nanostructures and Spin-orbit Effects
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
MACHIDA Yo	Professor, Faculty of Science, Gakushuin University	Development of Collective Transport Phenomena Generated by Quasiparticle Interaction in Solids
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
MIYAMOTO Kei	Associate Professor, Faculty of Biology-Oriented Science and Technology, Kindai University	Research on Mechanisms of Nuclear Reprogramming in Eggs and Oocytes
YAGAI Shiki	Professor, Institute for Global Prominent Research, Chiba University	Development of Topological Supramolecular Polymers