

List of the Continuing Projects for Grant-in-Aid for Specially Promoted Research of KAKENHI

Humanities and Social Sciences (4 Projects)

Principal Investigator		Title	Term of Project	Total (Thousand yen)
Hiroshi Hirano	Gakushuin University, Faculty of Law, Professor	Nation-wide Longitudinal Survey Study on Voting Behavior in an Age of Political Changes	FY2007-2011	110,400
Toshiyuki Wakatsuki	Kinki University, Faculty of Agriculture, Professor	Materialization of West African rice green revolution through Sawah based eco-technology and the creation of African adaptive Satoyama watershed systems	FY2007-2011	226,000
Tetsuro Matsuzawa	Kyoto University, Primate Research Institute, Professor	Primate foundation of cognitive development	FY2008-2012	330,200
Akira Isobe	Tohoku University, Center for Northeast Asian Studies, Professor	A Study of the Culture of Court Theatre during the Qing Dynasty	FY2008-2012	128,200

Science and Engineering (39 Projects)

Principal Investigator		Title	Term of Project	Total (Thousand yen)
Terutaka Goto	Niigata University, Graduate School of Science and technology, Professor	Strongly correlated quantum phase associated with charge fluctuation	FY2006-2010	218,800
Yoshihisa Yamamoto	National Institute of Informatics, Principles of Informatics Research Division, Professor	Qubus Quantum Computer	FY2006-2010	452,700
Jian Ping Gong	Hokkaido University, Faculty of Advanced Life Science, Professor	Material Innovation for the Age of Life Science - Creation of Soft and Wet Materials	FY2006-2010	351,700
Takashi Fukui	Hokkaido University, Graduate School of Information Science and Technology, Professor	Semiconductor Nanowire Electronics by Selective-Area Metal-Organic Vapor Phase Epitaxy	FY2006-2010	411,100
Toru Sugitate	Hiroshima University, Graduate School of Science, Professor	Formation of Quark Matter and Photon Physics	FY2006-2010	311,300
Yasuo Cho	Tohoku University, Research Institute of Electrical Communication, Professor	Next Generation Super High Density Ferroelectric Data Storage Using Scanning Nonlinear Dielectric Microscopy Technique	FY2006-2010	435,100
Junichi Tsujii	The University of Tokyo, Graduate School of Information Science and Technology, Professor	Generic Methods for Knowledge-based Semantic and Contextual Processing in Natural Language Understanding	FY2006-2010	384,100
Kazuto Yamauchi	Osaka University, Graduate School of Engineering, Professor	Sub-10nm hard X-ray focusing and application to nanoscopy/spectroscopy	FY2006-2010	202,200
Masahiro Hiramata	Tohoku University, Graduate School of Science, Professor	Chemical Syntheses of Natural and Designed Molecules: Innovative Research on Their New Functions, Antibodies, and Receptors	FY2007-2010	327,000
Katsumi Tanimura	Osaka University, The Institute of Scientific and Industrial Research, Professor	Dynamical studies of photoinduced structural phase transitions	FY2007-2011	522,800
Kosuke Morita	RIKEN, Superheavy Element Laboratory, Nishina Center for Accelerator Based Science, Associate Chief Scientist	Searching for new elements and chemistry of superheavy elements	FY2007-2011	479,200

Principal Investigator		Title	Term of Project	Total (Thousand yen)
Hajime Shimizu	Tohoku University, Research Center for Electron Photon Science, Professor	Quark Nuclear Physics with a Photon Beam	FY2007-2011	334,300
Yasunori Yamazaki	RIKEN, Advanced Science Institute, Distinguished Senior Scientist	Developments of antimatter science with antihydrogen atoms and antihydrogen ions	FY2007-2011	294,800
Kaoru Yamanouchi	The University of Tokyo, Graduate School of Science, Professor	Ultrafast hydrogen migration	FY2007-2011	450,000
Morinobu Endo	Shinshu University, Faculty of Engineering, Professor	Selective Growth of CVD-based Carbon Nanotubes through the Nanostructured Control and Their Novel Multi-functions	FY2007-2011	442,900
Seiji Takeda	Osaka University, The Institute of Scientific and Industrial Research, Professor	Atomistic and electronic structural analysis of the catalyst mechanism of metal nanoparticles in gases	FY2007-2011	470,100
Kohei Tamao	RIKEN, Advanced Science Institute, Director	Construction and Functions of Novel Elemento-Organic Compounds by Introduction of Innovative and Versatile Bulky Groups	FY2007-2011	436,200
Yōiti Suzuki	Tohoku University, Research Institute of Electrical Communication, Professor	Spatiotemporal integration of multimodal sensory information	FY2007-2011	344,500
Shigehisa Arai	Tokyo Institute of Technology, Quantum Nanoelectronics Research Center, Professor	InP-based membrane-type optical and electric devices for broad band intra-chip/inter-chip interconnection in Si-LSI circuits	FY2007-2011	424,400
Hisayoshi Yurimoto	Hokkaido University, Graduate School of Science, Professor	Anatomy of protosolar system	FY2008-2012	467,100
Fumihiko Suekane	Tohoku University, Research Center for Neutrino Science, Associate Professor	New Development of Neutrino Physics by Reactor Neutrinos	FY2008-2012	377,700
Kotaro Kohno	The University of Tokyo, Graduate School of Science, Professor	A Study of the Evolution of Large Scale Structures Based on the Ultra Wide Band Millimeter And Submillimeter Observations	FY2008-2012	510,500
Tetsuo Irifune	Ehime University, Geodynamics Research Center, Professor	Behavior of Fe-bearing materials under very high pressure and mineralogy of the lowermost mantle and the inner core	FY2008-2012	434,100
Ryugo Hayano	The University of Tokyo, Graduate School of Science, Professor	Contribution to fundamental physical constants using exotic-atom spectroscopy	FY2008-2012	231,300
Yoshio Kitaoka	Osaka University, Graduate School of Engineering Science, Professor	New Quantum Phases of Matter in Multidimensional Environments	FY2008-2012	450,600
Toshiaki Enoki	Tokyo Institute of Technology, Graduate School of Science and Engineering, Professor	Physical chemistry of nanographene edges: edge states and their electronic and magnetic functions	FY2008-2012	298,200
Koji Tanaka	Institute for Molecular Science, Department of Life and Coordination-Complex Molecular Science, Professor	Reversible Conversion between Electrical Energy and Chemical one Mediated with Coordination Complexes	FY2008-2011	126,800
Tohru Fukuyama	The University of Tokyo, Graduate School of Pharmaceutical Sciences, Professor	Synthetic Studies on Biologically Functional Molecules	FY2008-2012	310,500
Masaaki Sato	Tohoku University, Graduate School of Biomedical Engineering, Professor	Study of Mechanisms of Cellular Mechanosensing	FY2008-2012	414,800

Principal Investigator		Title	Term of Project	Total (Thousand yen)
Takeshi Yamakawa	Kyushu Institute of Technology, Graduate School of Life Science and Systems Engineering, Professor	Identification of Epileptogenic Focus by Employing Softcomputing and Establishment of Minimally Invasive and Definitive Surgery	FY2008-2011	433,200
Tetsuya Osaka	Waseda University, Faculty of Science and Engineering, Professor	Establishment of Electrochemical Device Engineering	FY2008-2012	438,800
Kunio Inoue	Tohoku University, Research Center for Neutrino Science, Professor	Study on neutrino-less double beta decay using the neutrino detector, KamLAND	FY2009-2013	605,900
Masaki Fukushima	The University of Tokyo, Institute for Cosmic Ray Research, Professor	Extreme Phenomena in the Universe Explored by Highest Energy Cosmic Rays	FY2009-2013	499,300
Hirofumi Sakai	The University of Tokyo, Graduate School of Science, Associate Professor	Electronic stereodynamics in molecules and ultrafast molecular imaging based on molecular orientation techniques	FY2009-2013	261,700
Toshimasa Fujisawa	Tokyo Institute of Technology, Research Center for Low Temperature Physics, Professor	Dynamics of electron wavepackets in semiconductor quantum structures	FY2009-2013	421,400
Hiroaki Suga	The University of Tokyo, Research Center for Advanced Science and Technology, Professor	Non-standard peptide-probe discovery	FY2009-2013	406,700
Keiji Maruoka	Kyoto University, Graduate School of Science, Professor	Design of High-Performance Organocatalysts for the Application to Fine Organic Synthesis	FY2009-2013	426,300
Takehiko Kitamori	The University of Tokyo, School of Engineering, Professor	Creation of fluid engineering in extended-nano space	FY2009-2012	418,800
Hiroyuki Fujita	The University of Tokyo, Institute of Industrial Science, Professor	Nano Mechanical Characterization Method by MEMS Devices and In-situ TEM Observation and its Applications	FY2009-2013	251,100

Biological Sciences (20 Projects)

Principal Investigator		Title	Term of Project	Total (Thousand yen)
Yoshihiro Kawaoka	The University of Tokyo, Institute of Medical Science, Professor	Mechanism of emergence of new influenza viruses and their control	FY2006-2010	445,000
Daisuke Yamamoto	Tohoku University, Graduate School of Life Sciences, Professor	Studies on the mechanism of neural and behavioral sex determination by the Drosophila fruitless gene	FY2006-2010	342,400
Nobutaka Hirokawa	The University of Tokyo, Graduate School of Arts and Sciences, Professor	The Mechanism of Intracellular Transport and Kinesin Motors, KIFs : Structure, Function, Dynamics and Regulation	FY2006-2010	1,494,600
Shuh Narumiya	Kyoto University, Graduate School of Medicine, Professor	Spatiotemporal control of cell functions by Rho GTPases; mechanisms and physiological roles	FY2006-2010	493,200
Hitoshi Okamura	Kyoto University, Graduate School of Pharmaceutical Sciences, Professor	Molecular Clocks to Biological Rhythms	FY2006-2010	448,600
Takao Shimizu	The University of Tokyo, Graduate school of Medicine, Professor	Phospholipid metabolism and lipid mediators	FY2007-2011	595,900
Yasushi Miyashita	The University of Tokyo, Graduate School of Medicine, Professor	Dynamical mechanisms underlying cognitive memory in primates: Functional analysis of its global network and local circuits	FY2007-2011	527,900

Principal Investigator		Title	Term of Project	Total (Thousand yen)
Hitoshi Sakano	The University of Tokyo, Graduate School of Science, Professor	Neural Circuit Formation in the Mouse Olfactory System	FY2007–2011	542,600
Chikashi Toyoshima	The University of Tokyo, Institute of Molecular and Cellular Biosciences, Professor	Structural biology of ion transporters	FY2007–2011	420,800
Shinya Yamanaka	Kyoto University, Center for iPS Cell Research and Application, Director	Molecular mechanisms underlying nuclear reprogramming of somatic cells	FY2007–2011	487,000
Yoshinori Ohsumi	Tokyo Institute of Technology, Frontier Research Center, Professor	Molecular Mechanism and Diversity of Autophagy	FY2007–2011	431,900
Masatoshi Takeichi	RIKEN, Laboratory for Cell Adhesion and Tissue Patterning, Group Director	Regulation of cell behavior by the interplays between cadherin adhesion molecules and cytoskeleton	FY2008–2012	304,200
Akihiko Nakano	The University of Tokyo, Graduate School of Science, Professor	Molecular Mechanisms of Protein Sorting in Membrane Traffic and Roles in Higher Plants	FY2008–2012	458,800
Shimon Sakaguchi	Kyoto University, Institute for Frontier Medical Sciences, Professor	Molecular basis of the function and generation of Foxp3-expressing regulatory T cells	FY2008–2012	460,200
Tatsuya Hirano	RIKEN, Chromosome Dynamics Laboratory, Chief Scientist	Molecular mechanisms of chromosome assembly mediated by condensins	FY2008–2012	356,000
Shizuo Akira	Osaka University, Immunology Frontier Research Center, Professor	Comprehensive analysis of innate immunity	FY2008–2012	671,600
Haruo Kasai	The University of Tokyo, Graduate School of Medicine, Professor	Cerebral spine synapses and exocytosis studied with two-photon microscopy	FY2009–2013	430,900
Yoshinori Watanabe	The University of Tokyo, Institute of Molecular and Cellular Biosciences, Professor	Molecular mechanisms that determine kinetochore orientation acting at the heart of genome transition	FY2009–2013	362,400
Kazuhiko Kinoshita, Jr.	Waseda University, Faculty of Science and Engineering, Professor	Beyond single-molecule physiology: Letting molecular machines work by soft force	FY2009–2013	474,900
Keiji Tanaka	Tokyo Metropolitan Organization for Medical Science, Tokyo Metropolitan Institute of Medical Science, Acting Director	In-depth Analysis of Proteasome-Mediated Regulatory Proteolysis	FY2009–2013	621,000

