

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

Humanities and Social Sciences (3 Projects)

As of May, 2020

Research Project Number	Principal Investigator (Name, Researcher Number, Research Institution)		Title	Term of Project	Total (Thousands of Yen)
17H06086	HIGUCHI Yoshio 20119001	Keio University, Faculty of Business and Commerce, Project Professor	Economic disparity and intergenerational transfer in the longevity society: Policy evaluation analysis using panel data	FY2017-2021	428,700
18H05204	ISHIDA Hiroshi 40272504	The University of Tokyo, Office of University Professor, University Professor	A Comprehensive Study of Life Course and Inequality Using the Framework of Cumulative Advantages and Disadvantages	FY2018-2024	470,800
19H05457	OKUMURA Hiroshi 60185551	Kobe University, Graduate School of Humanities, Professor	From Local Historical Material Studies to Regional Historical Culture: Creation of a New Research Field for Resilient Local Communities in a Country of Natural Disasters	FY2019-2025	316,300

Science and Engineering (33 Projects)

Research Project Number	Principal Investigator (Name, Researcher Number, Research Institution)		Title	Term of Project	Total (Thousands of Yen)
16H06284	KATORI Hidetoshi 30233836	The University of Tokyo, Graduate School of Engineering, Professor	Investigation of novel engineering and scientific applications of ultra-precise optical lattice clocks	FY2016-2020	452,600
16H06285	HIROSE Kei 50270921	The University of Tokyo, Graduate School of Science, Professor	Behaviour of liquids under high pressure and the early evolution of the Earth	FY2016-2020	387,500
16H06286	SHIOKAWA Kazuo 80226092	Nagoya University, Institute for Space-Earth Environmental Research, Professor	Study of dynamical variation of particles and waves in the inner magnetosphere using ground-based network observations	FY2016-2020	376,100
16H06287	SUMI Takahiro 30432214	Osaka University, Graduate School of Science, Professor	Search for cold exoplanets and free-floating planets by near infrared gravitational microlensing observation	FY2016-2020	450,400
16H06288	KOBAYASHI Takashi 70291317	High Energy Accelerator Research Organization, Institute of Particle and Nuclear Studies, Professor	Measurement of CP symmetry of neutrino by upgrading T2K experiment	FY2016-2020	418,600
16H06289	OHMORI Kenji 10241580	National Institutes of Natural Sciences, Institute for Molecular Science, Professor	Addressing Quantum Many-Body Dynamics by Ultrafast Coherent Control with Attosecond Precision	FY2016-2020	426,400
16H06290	ITO Yukishige 80168385	Osaka University, Graduate School of Science, Specially Appointed Professor	Chemical Biology of ER Related Glycan Modifications	FY2016-2020	319,400
16H06291	OKI Taikan 50221148	The University of Tokyo, Graduate School of Engineering, Professor	New frontiers in global hydrology	FY2016-2020	340,700
16H06292	ASADA Masahiro 30167887	Tokyo Institute of Technology, Institute of Innovative Research, Professor	High-performance semiconductor terahertz devices unifying quantum transition and traveling of electrons	FY2016-2020	413,700
16H06293	ISHIHARA Tatsumi 80184555	Kyushu University, Graduate School of Engineering, Professor	Creation of Novel High Performance Catalyst Tailored by Chemo-mechanical Effects	FY2016-2020	380,700

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17H06087	WATANABE Naoki 50271531	Hokkaido University, Institute of Low Temperature Science, Professor	Chemical evolution on cosmic dust: approach from elementary processes	FY2017-2021	433,900
17H06088	SHIGEKAWA Hidemi 20134489	University of Tsukuba, Faculty of Pure and Applied Sciences, Professor	Development of sub-cycle time-resolved STM and its applications	FY2017-2021	453,600
17H06089	FUJISAWA Akihide 60222262	Kyushu University, Research Institute for Applied Mechanics, Professor	Plasma Turbulence Observation System (PLATOS) for puzzling out the principles of structural formation and functional expression in turbulent plasmas	FY2017-2021	448,600
17H06090	WADA Michiharu 50240560	High Energy Accelerator Research Organization, Institute of Particle and Nuclear Studies, Professor	Study of the origin of heavy elements using an innovative mass spectrograph	FY2017-2021	427,100
17H06091	CHATANI Naoto 30171953	Osaka University, Graduate School of Engineering, Professor	Development of Next-Generation Transformation Involving Molecular Activation as a Key Step	FY2017-2021	427,300
17H06092	MIURA Masahiro 20183626	Osaka University, Graduate School of Engineering, Professor	Revolution of Synthetic Technologies by Deeping C-H Activation Chemistry	FY2017-2021	388,800
17H06094	IKUHARA Yuichi 70192474	The University of Tokyo, Graduate School of Engineering, Professor	Atom-by-atom imaging of ion dynamics in nano-structures for materials innovation	FY2017-2021	454,000
18H05205	MISAWA Hiroaki 30253230	Hokkaido University, Research Institute for Electronic Science, Specially Appointed Professor	Development and elucidation of highly efficient photoreaction systems using a strong coupling between nanocavity and plasmon	FY2018-2022	477,700
18H05206	YOSHIDA Shigeru 00272518	Chiba University, Graduate School of Science, Professor	High Energy Neutrino Universe explored by IceCube-Gen2	FY2018-2022	411,400
18H05207	FURUSAWA Akira 90332569	The University of Tokyo, Graduate School of Engineering, Professor	Study on time-domain-multiplexed 2D continuous-variable cluster states and its application to large-scale quantum information processing	FY2018-2022	489,200
18H05208	KOSHIHARA Shinya 10192056	Tokyo Institute of Technology, School of Science, Professor	Development of novel photo-induced phase conversion materials based on quantum dynamics control of Charge-Structure-Spin-Photon coupled systems	FY2018-2022	484,700
18H05209	YASHIMA Eiji 50191101	Nagoya University, Graduate School of Engineering, Professor	Development of Ultimate Functions Based on Helical Polymers with Helicity Memory	FY2018-2022	457,300
18H05210	NAKAMURA Mitsuhiro 90183889	Nagoya University, Institute of Materials and Systems for Sustainability, Professor	Nuclear Emulsion - New deployments for fundamental and interdisciplinary researches in the 21 st century -	FY2018-2022	455,400
18H05211	FUJIMAKI Akira 20183931	Nagoya University, Graduate School of Engineering, Professor	Research on ultra-low power sub-terahertz superconducting quantum digital systems based on pulse-driven circuits	FY2018-2022	473,400
18H05212	FUJIWARA Yasufumi 10181421	Osaka University, Graduate School of Engineering, Professor	Development of semiconductor intra-center photonics	FY2018-2022	490,300
19H05458	NAGASAKI Yukio 90198309	University of Tsukuba, Faculty of Pure and Applied Sciences, Professor	Molecular design of innovative drugs based on molecular assembly	FY2019-2025	481,700
19H05459	NAKAMURA Eiichi 00134809	The University of Tokyo, Graduate School of Science, Project Professor	Molecular electron microscopy for dynamic studies on molecules and their assemblies	FY2019-2025	475,200

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19H05460	NISHIHARA Hiroshi 70156090	Tokyo University of Science, Research Institute for Science & Technology, Professor	Creation of two-dimensional conjugated polymer, coordination nanosheet, and manifestation of higher-order functions using high quality and hetero-structured nanosheets	FY2019-2025	418,700
19H05461	FUJITA Makoto 90209065	Institute for Molecular Science, Division of Advanced Molecular Science, Distinguished Professor	Protein Encapsulation by Synthetic Cages for Functional Control and Structure Determination	FY2019-2025	480,000
19H05462	HORI Masaru 80242824	Nagoya University, Center for Low-temperature Plasma Sciences, Professor	Development of "super-bio-functions" by plasma-activated biological substances	FY2019-2025	464,100
19H05463	ITAMI Kenichiro 80311728	Nagoya University, Graduate School of Science (WPI), Professor	Creation of unexplored molecular nanocarbons	FY2019-2025	491,500
19H05464	KASAHARA Jiro 60312435	Nagoya University, Institute of Materials and Systems for Sustainability, Professor	Study on Self-compression Type Detonation Propulsion: Evolutionary Space-Flight Demonstration Study Using Sounding Rockets	FY2019-2025	480,900
19H05465	KANEMITSU Yoshihiko 30185954	Kyoto University, Institute for Chemical Research, Professor	Fusing nanomaterials and strong electric field nonlinear optics for new advances in photonics	FY2019-2025	429,300

Biological Sciences (13 Projects)

Research Project Number	Principal Investigator (Name, Researcher Number, Research Institution)		Title	Term of Project	Total (Thousands of Yen)
16H06294	NUREKI Osamu 10272460	The University of Tokyo, Graduate School of Science, Professor	Molecular mechanism of membrane proteins regulated by physical stimuli	FY2016-2020	433,300
16H06295	SAKAGUCHI Shimon 30280770	Osaka University, Immunology Frontier Research Center, Specially Appointed Professor	Study of the function and development of regulatory T cells	FY2016-2020	411,500
16H06296	Jian Feng Ma 80260389	Okayama University, Institute of Plant Science and Resources, Professor	Integrated analysis of mineral transport system in crops	FY2016-2020	412,500
17H06095	YANAGISAWA Masashi 20202369	University of Tsukuba, International Institute for Integrative Sleep Medicine, Director and Professor	Elucidation of sleep/wakefulness regulation using forward genetic approach	FY2017-2021	423,000
17H06096	FUKADA Yoshitaka 80165258	The University of Tokyo, Graduate School of Science, Professor	Molecular dissection of robust and flexible circadian clock and its control of animal physiology	FY2017-2021	435,800
17H06097	SHIMADA Ichio 70196476	RIKEN, RIKEN, Center for Biosystems Dynamics Research, Team Leader	In situ functional analyses of membrane proteins by NMR	FY2017-2021	354,100
17H06098	SAITOU Mitunori 80373306	Kyoto University, Institute for the Advanced Study, Professor	Mechanism and Reconstitution In Vitro of Human Germ Cell Development	FY2017-2021	435,300
18H05213	INOKUCHI Kaoru 20318827	University of Toyama, Academic Assembly, Faculty of Medicine, Professor	Mechanisms underlying Information processing in idling brain	FY2018-2022	427,200

Research Project Number	Principal Investigator (Name, Researcher Number, Research Institution)		Title	Term of Project	Total (Thousands of Yen)
18H05214	SASAKI Hiroyuki 30183825	Kyushu University, Medical Institute of Bioregulation, Professor	Omics approaches towards the elucidation of the molecular network regulating the developmental capacity of the mammalian oocyte	FY2018-2022	391,200
18H05215	NAKAYAMA Keiichi 80291508	Kyushu University, Medical Institute of Bioregulation, Distinguished Professor	Investigation for mechanisms underlying cell cycle regulation and metabolism in stem cells	FY2018-2022	394,400
19H05466	SIOMI Mikiko 20322745	The University of Tokyo, Graduate School of Science, Professor	Comprehensive understanding of mechanisms underlying the piRNA pathway	FY2019-2025	417,300
19H05467	TAKADA Masahiko 00236233	Kyoto University, Primate Research Institute, Professor	Elucidating the primate basis of neurobiological mechanisms underlying developmental disorders	FY2019-2025	391,400
19H05468	TSUKITA Sachiko 00188517	Osaka University, Graduate School of Frontier Biosciences, Specially Appointed Professor	Novel approach focusing on the tight junction-based paracellular barrier combined with the apical barrier toward understanding and manipulating epithelial barriers	FY2019-2025	431,000

