

# Grant-in-Aid for Specially Promoted Research

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## □ Distribution by Research Area of the Newly Adopted Projects

Purpose and Description of Grant-in-Aid for Specially Promoted Research (excerpt from the “Application Procedures for Grants-in-Aid for Scientific Research”):

### 1) Intended for:

Research project carried out by one researcher or by a relatively small group of researchers that is likely to yield highly acclaimed research achievements through intensive funding. The goal of the funding is the increased promotion of research which is highly regarded in the international arena.

### 2) Total budget provided (total budget throughout the research period):

There is no limit to the total budget although, as a guide, a total budget of around 500 million yen per research project may be awarded.

#### ※ On the amount for the total budget

In principle, the total budget is set at approximately 500 million yen and the annual budget is set at approximately 100 million yen. However, if it is deemed necessary, the budget applied for can exceed the above-mentioned figures.

#### ※ Handling of research projects with a total budget exceeding 500 million yen

The reason why such a budget is needed should be stated in detail in the appropriate section of the proposal for grant-in-aid. Especially rigorous screening on the appropriateness of the budget will be conducted.

### 3) Research period: Three to five years

### 4) Number of research projects scheduled to be selected: Around 10 (subject to strict selection)

## 【 New Projects 】

	Number of Applications			Total Grant Disbursements (FY2010) (in thousands of yen)	Per-project Grants (FY2010)	
	Received	Adopted	Ratio		Average	Largest
			(%)	(in thousands of yen)	(in thousands of yen)	(in thousands of yen)
Humanities and Social Sciences	5	1	20.0	107,900	107,900	107,900
Science and Engineering	79	10	12.7	1,038,400	103,840	163,000
Biological Sciences	27	4	14.8	392,200	98,050	160,000
Total	111	15	13.5	1,538,500	102,567	163,000

## 【 New and Ongoing Projects 】

	Number of Applications	Total Grant Disbursements (FY2010) (in thousands of yen)	Per-project Grants (FY2010)	
			Average	Largest
		(in thousands of yen)	(in thousands of yen)	(in thousands of yen)
Humanities and Social Sciences	6	382,800	63,800	114,500
Science and Engineering	50	3,738,800	74,776	221,000
Biological Sciences	24	2,343,600	97,650	274,700
Total	80	6,465,200	80,815	274,700

※ Figure reflects only direct funding

List of the Newly Adopted Projects for Grant-in-Aid for Specially Promoted Research of KAKENHI, FY2010

(1) Humanities and Social Sciences ( 1 Project )

(in Thousands of Yen)

Principal Investigator		Title	Term of Project	Annual Budget
				Budget throughout for the Entire Research Period
Noriyuki Takayama	Hitotsubashi University, Institute of Economic Research, Adjunct Professor	Economic Analysis of Intergenerational Issues: Searching for Further Development	FY2010-2014	107,900
				459,500

(2) Science and Engineering ( 10 Projects )

○Mathematics/Physics ( 4 Projects )

(in Thousands of Yen)

Principal Investigator		Title	Term of Project	Annual Budget
				Budget throughout for the Entire Research Period
Eiji Ohtani	Tohoku University, Graduate school of Science, Professor	Ultrahigh-pressure Material Science of the Central regions of the Earth and Planet	FY2010-2014	89,600
				371,100
Hisashi Utada	The University of Tokyo, Earthquake Research Institute, Professor	New phase of Ocean Hemisphere Project: Imaging the normal oceanic mantle by advanced ocean bottom observations	FY2010-2014	163,000
				429,600
Toshinori Mori	The University of Tokyo, International Center for Elementary Particle Physics, Professor	MEG Experiment – From Lepton Flavor Violation toward Grand Unified Theory	FY2010-2014	79,000
				415,200
Motohide Tamura	National Astronomical Observatory/NINS, Optical and Infrared Division, Associate Professor	Development of Exoplanet Researches with New IR Technologies	FY2010-2014	51,600
				396,900

○Chemistry ( 4 Projects )

(in Thousands of Yen)

Principal Investigator		Title	Term of Project	Annual Budget
				Budget throughout for the Entire Research Period
Tetsuo Nagano	The University of Tokyo, Graduate School of Pharmaceutical Sciences, Professor	Development of synthetic photo-functional molecules for medical applications	FY2010-2014	85,700
				419,200
Makoto Komiyama	The University of Tokyo, Research Center for Advanced Science and Technology, Professor	Creation of genome manipulation technology using super restriction enzyme	FY2010-2014	106,600
				400,400
Eiichi Nakamura	The University of Tokyo, School of Science, Professor	Synthesis and Nano-organization of Organic Semiconductors for Efficient Photoelectronic Conversion	FY2010-2014	143,100
				458,700
Shigeyoshi Sakaki	Kyoto University, Institute for Integrated Cell-Material Sciences, Professor	Theoretical Study of Complex Electronic Systems Including d Electron: Fundamental Understanding and Prediction by New Electronic Structure Calculation Method for Large Systems	FY2010-2014	55,000
				353,500

○Engineering ( 2 Projects )

(in Thousands of Yen)

Principal Investigator		Title	Term of Project	Annual Budget
				Budget throughout for the Entire Research Period
Tadahiro Ohmi	Tohoku University, New Industry Creation Hatchery Center, Professor	Study on fabrication process of 3-D structured MOS transistor having atomically flat gate insulator/Si interface	FY2010-2014	149,300
				474,400
Shigeaki Zaima	Nagoya University, Graduate School of Engineering, Professor	Design of Electronic Properties and Development of High-Mobility Channel Technology for Low Power/High-Speed Nano-CMOS Devices	FY2010-2013	115,500
				344,600

(3) Biological Sciences ( 4 Projects )

(in Thousands of Yen)

Principal Investigator		Title	Term of Project	Annual Budget
				Budget throughout for the Entire Research Period
Shigeaki Kato	The University of Tokyo, Institute of Molecular and Cellular Biosciences, Professor	Molecular dissection of epigenetic regulations supporting gene regulations	FY2010-2014	160,000
				605,300
Shigekazu Nagata	Kyoto University, Graduate School of Medicine, Professor	Molecular mechanism of the engulfment and degradation of dead cells by macrophages	FY2010-2014	64,900
				318,700
Ikuko Hara-Nishimura	Kyoto University, Graduate School of Science, Professor	Differentiation of endomembrane system for defense strategy in higher plants	FY2010-2014	93,100
				419,700
Tasuku Honjo	Kyoto University, Graduate School of Medicine, Professor	Mechanism for genome instability by activation induced cytidine deaminase induced-reduction of topoisomerase1	FY2010-2014	74,200
				343,200