

Reference

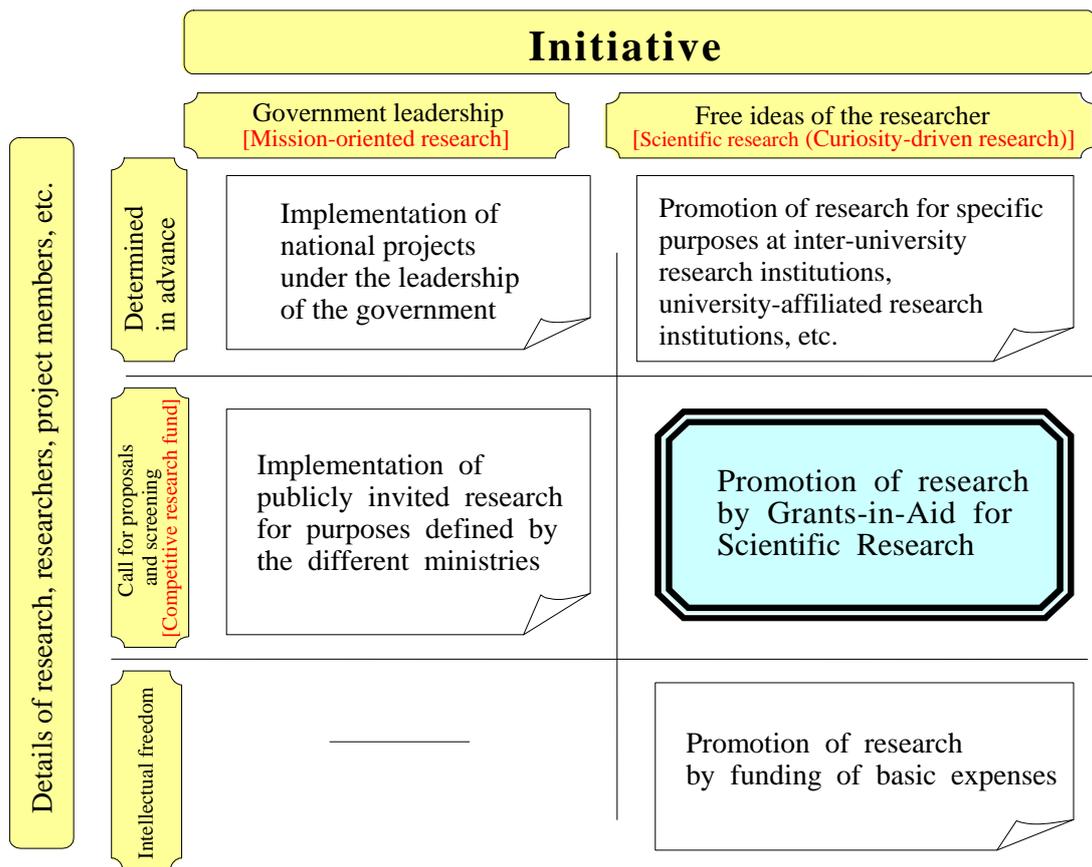
Outline of the Grants-in-Aid for Scientific Research (KAKENHI) in FY2008	177
1. Purpose and Character of Grants-in-Aid for Scientific Research	177
2. Research Categories	178
3. Budget Transition and Others	180
4. Actual Subsidization	181
5. Chart for the Budget by Research Field	183

Grants-in-Aid for Scientific Research(KAKENHI)

1. Purpose and Character of Grants-in-Aid for Scientific Research

Grants-in-Aid for Scientific Research are competitive funds that are intended to significantly develop all scientific research (research based on the free ideas of the researcher), from basic to applied research in all fields, ranging from the humanities and the social sciences to the natural sciences. The grants provide financial support for creative and pioneering research projects that will become the foundation of social development. The research projects are selected using a peer-review screening process (screening by multiple researchers whose field of specialization is close to that of the applicant).

Classification of the promotion of research and the positioning of the Grants-in-Aid for Scientific Research by the Government



❖ Grants-in-Aid for Scientific Research (193.2 billion yen) account for about 5% of the entire budget for publicly funded science and technology (approximately 3.6 trillion yen), and about 40% of the entire budget for competitive funding (approximately 481.3 billion yen).

2. Research Categories

For the following research categories, research institutions manage and carry out the different procedures on behalf of researchers.

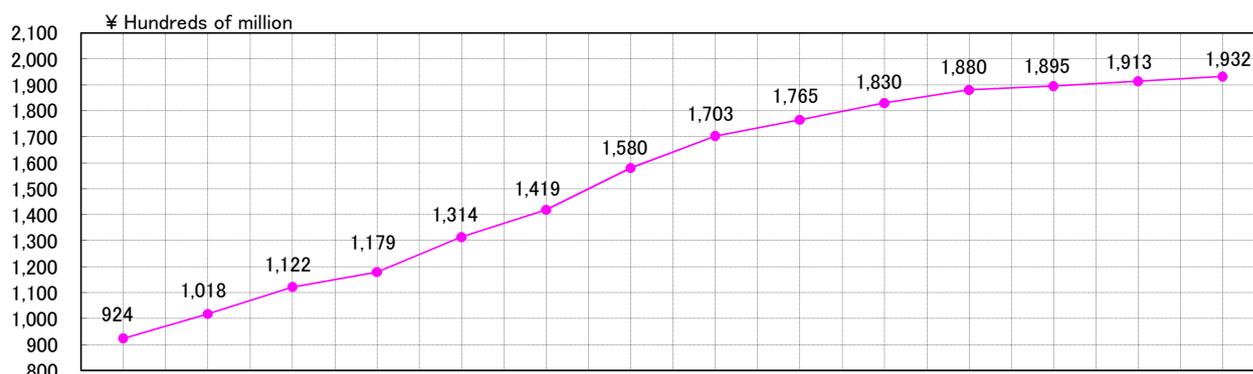
Research categories, etc.	Purposes and description of the research category
Grants-in-Aid for Scientific Research	
Specially Promoted Research ※	Highly regarded research in the international arena that is likely to yield highly acclaimed research achievements (There is no limit to the period or budget although, as a guide, a period of three to five years and a budget of around 500 million yen per project may be awarded.)
Scientific Research on Priority Areas	Research fields that will lead to the upgrading and enhancement of scientific research in Japan; research fields that require effort on a global scale; and/or research fields that have particularly strong social demand will be specified. The objective is to flexibly and effectively plan the promotion of research. (The period is three to six year. In principle, the budget is set at around 20 million to 600 million yen per fiscal year per field.)
Scientific Research on Innovative Areas	(Research in a proposed research area) New research areas that will lead to the upgrading and enhancement of scientific research in Japan. The new research areas are proposed by one researcher or by a group of researchers, and will develop through the effort to cultivate collective research, research personnel, etc. (The period is five years. In principle, the budget is set at around 10 million to 300 million yen per fiscal year per field.) (Research under a proposed research project) Innovative and challenging research that is very likely to lead to a breakthrough in academic research by the development of the research project in question. The funding is not restricted to research projects that are expected to yield certain and tangible research achievements. (The period is three years. The budget is 10 million yen per fiscal year.)
Scientific Research※	(S) Creative/pioneering research done by one researcher or a relatively small group of researchers (The period is five years. The budget ranges from 50 million yen to around 200 million yen per project.) (A)(B)(C) Creative/pioneering research done by one researcher or jointly by multiple researchers (The period is three to five years.) (A) From 20 million to 50 million yen (Classified in A, B or C, depending on the total budget provided) (B) From 5 million yen to 20 million yen (C) 5 million yen or less
Exploratory Research ※	Uniquely original research in an early stage of development (The period is one to three years. The budget is 5 million yen or less per project)
Grant-in-Aid for Young Scientists ※	(S) Research done by one researcher aged 42 or less (The period is five years. The budget ranges roughly from 30 million yen to 100 million yen per project.) (A)(B) Research done by one researcher aged 37 or less (The period is two to four years. Classified in A or B, depending on the total budget provided.) (A) from 5 million yen to 30 million yen (B) 5 million yen or less (Start-up) Research done by one researcher who has just started employment at a research institution (The period is two years. The budget is 1.5 million yen or less per year.)
Encouragement of Scientists※	Research carried out by an employee of an educational or research institution or a corporation or any other individual (The period is one year. The budget is 1 million yen.)

Grant-in-Aid for Special Purposes	Urgent and critical research subjects. Experimental trials concerning research aid
Grant-in-Aid for Publication of Scientific Research Results	
Publication of Scientific Research Results	Support for publishing the results of highly significant research conducted by researcher groups and for disseminating such information internationally
Scientific Literature ※	Funding of Scientific Literature issued by an individual or a group of researchers to disclose scientific research achievements
Databases※	Funding of databases created by an individual or a group of researchers for public availability
Grant-in-Aid for JSPS Fellows※	Funding of research done by JSPS Fellows, including Foreign JSPS Fellows (for a period of up to three years)
Grant-in-Aid for Creative Scientific Research※	Among research supported by Grants-in-Aid for Scientific Research and others, focus is placed on the most outstanding research field. Research projects that are especially important in promoting the research field in question are selected to promote highly creative scientific research (recommendation required; for a period of five years)

※ Screening are handled by JSPS

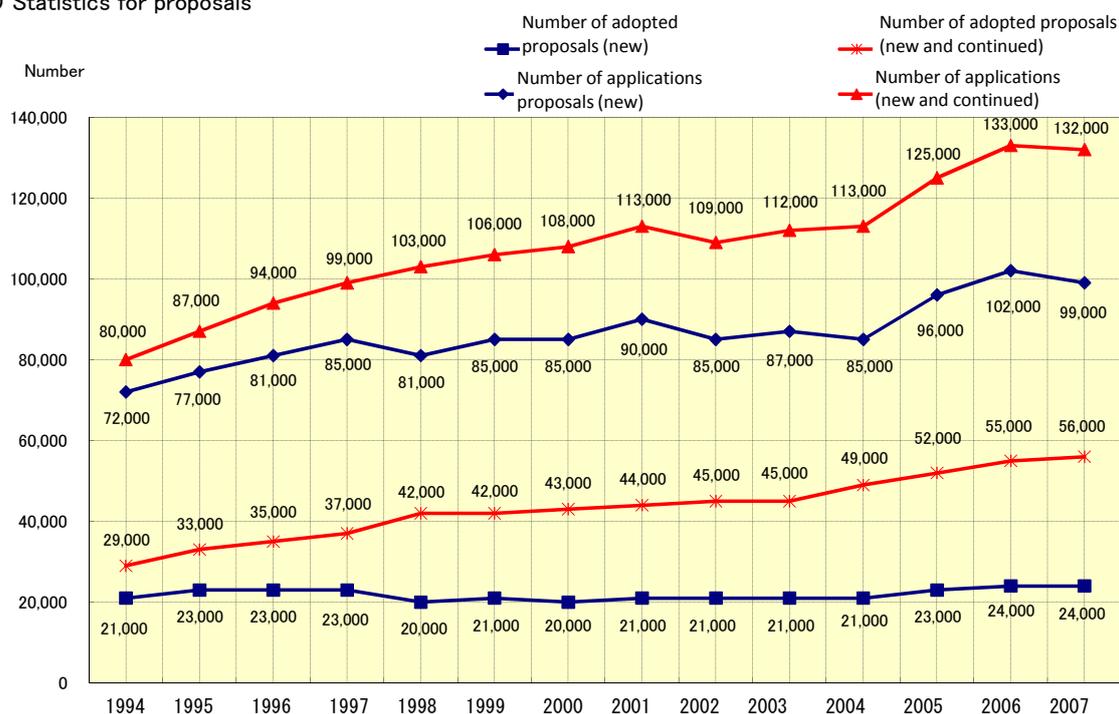
3. Budget Transition and Others

○ Budget transition



FY	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Budget (¥ hundreds of millions)	924	1,018	1,122	1,179	1,314	1,419	1,580	1,703	1,765	1,830	1,880	1,895	1,913	1,932
Year-on-year increase (%)	12.1	10.2	10.2	5.1	11.5	8.0	11.3	7.8	3.6	3.7	2.7	0.8	0.9	1.0

○ Statistics for proposals



○ ratio of adopted proposals and vacancy filled

FY	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Adopted rate (%)	29.4	28.3	27.1	24.8	24.3	23.9	23.1	24.6	23.7	24.8	24.0	23.5	24.3
Rate of filled vacancy (%)	74.9	74.6	72.3	71.5	74.7	77.2	78.2	76.1	76.2	76.5	76.4	77.5	75.7

Note: The table shows data on initially allocation in each fiscal year.

4. Actual Subsidization of Grants-in-Aid for Scientific Research for FY2008

(1) New

As of September 2008

Research category	Number of applications			Total grant disbursements thousands of yen	Per-project grants	
	Received	Adopted	Ratio		Average	Largest
Grants-in-aid for scientific research	[94,923] 97,052	[20,850] 19,958	[22.0] 20.6	[62,182,300] 57,381,095 [15,028,539]	[2,982] 2,875	[163,700] 261,400
Grant-in-aid for specially promoted research	[139] 114	[20] 19	[14.4] 16.7	[2,072,900] 1,907,800 [572,340]	[103,645] 100,411	[163,700] 261,400
Grant-in-aid for research in priority areas	[5,890] 5,999	[1,210] 1,481	[20.5] 24.7	[6,086,500] 4,953,000	[5,030] 3,344	[72,400] 42,000
Grant-in-aid for scientific research (S)	[431] 551	[81] 94	[18.8] 17.1	[2,025,300] 3,683,500 [1,105,050]	[25,004] 39,186	[54,400] 96,800
Grant-in-aid for scientific research (A)	[2,345] 2,439	[543] 545	[23.2] 22.3	[7,437,200] 7,307,000 [2,192,100]	[13,697] 13,407	[31,400] 31,400
Grant-in-aid for scientific research (B)	[11,345] 11,717	[2,649] 2,601	[23.3] 22.2	[16,592,200] 14,924,200 [4,477,260]	[6,264] 5,738	[14,200] 14,500
Grant-in-aid for scientific research (C)	[32,645] 32,939	[7,500] 7,128	[23.0] 21.6	[12,572,800] 10,570,900 [3,171,270]	[1,676] 1,483	[3,500] 3,600
Grant-in-aid for exploratory research	[15,000] 15,605	[1,820] 1,117	[12.1] 7.2	[3,319,000] 1,983,000	[1,824] 1,775	[3,700] 3,700
Grant-in-aid for encouragement of young scientists (S)	[1,262] 805	[35] 39	[2.8] 4.8	[600,000] 812,100 [243,630]	[17,143] 20,823	[49,200] 55,800
Grant-in-aid for encouragement of young scientists (A)	[1,415] 1,430	[244] 254	[17.2] 17.8	[2,037,600] 1,993,300 [597,990]	[8,351] 7,848	[17,700] 16,900
Grant-in-aid for encouragement of young scientists (B)	[17,842] 18,322	[5,132] 5,068	[28.8] 27.7	[7,925,700] 7,751,800 [2,325,540]	[1,544] 1,530	[3,200] 3,500
Grant-in-aid for encouragement of young scientists (Start-up)	[3,459] 3,749	[834] 934	[24.1] 24.9	[1,013,100] 1,144,530 [343,359]	[1,215] 1,225	[1,400] 1,500
Grant-in-aid for encouragement of scientists	[3,150] 3,382	[782] 678	[24.8] 20.0	[500,000] 349,965	[639] 516	[1,000] 900
Grant-in-Aid for special purposes (a trial of pluriannual application)	[245] 230	[68] 69	[27.8] 30.0	[110,000] 90,000	[1,618] 1,304	[3,000] 2,600
Grant-in-aid for publication of scientific research results	[1,599] 1,330	[483] 455	[30.2] 34.2	[1,604,340] 1,277,100	[3,322] 2,807	[35,800] 43,100
Grant-in-aid for JSPS fellows	[2,541] 2,553	[2,541] 2,553	[100.0] 100.0	[2,412,700] 1,593,653	[950] 624	[3,000] 3,000
Grant-in-aid for creative scientific research *	[85] -	[18] -	[21.2] -	[1,526,400] - [-]	[84,800] -	[103,800] -
Total	[99,393] 101,165	[23,960] 23,035	[24.1] 22.8	[67,835,740] 60,341,848 [15,028,539]	[2,831] 2,620	[163,700] 261,400

Notes:

1. The figures in [] indicate the previous fiscal year.
2. The figures in [] indicate indirect funding (excluded from the total).
3. The category with an asterisk (*) has been discontinued to call the new proposals.

(2) New and Ongoing

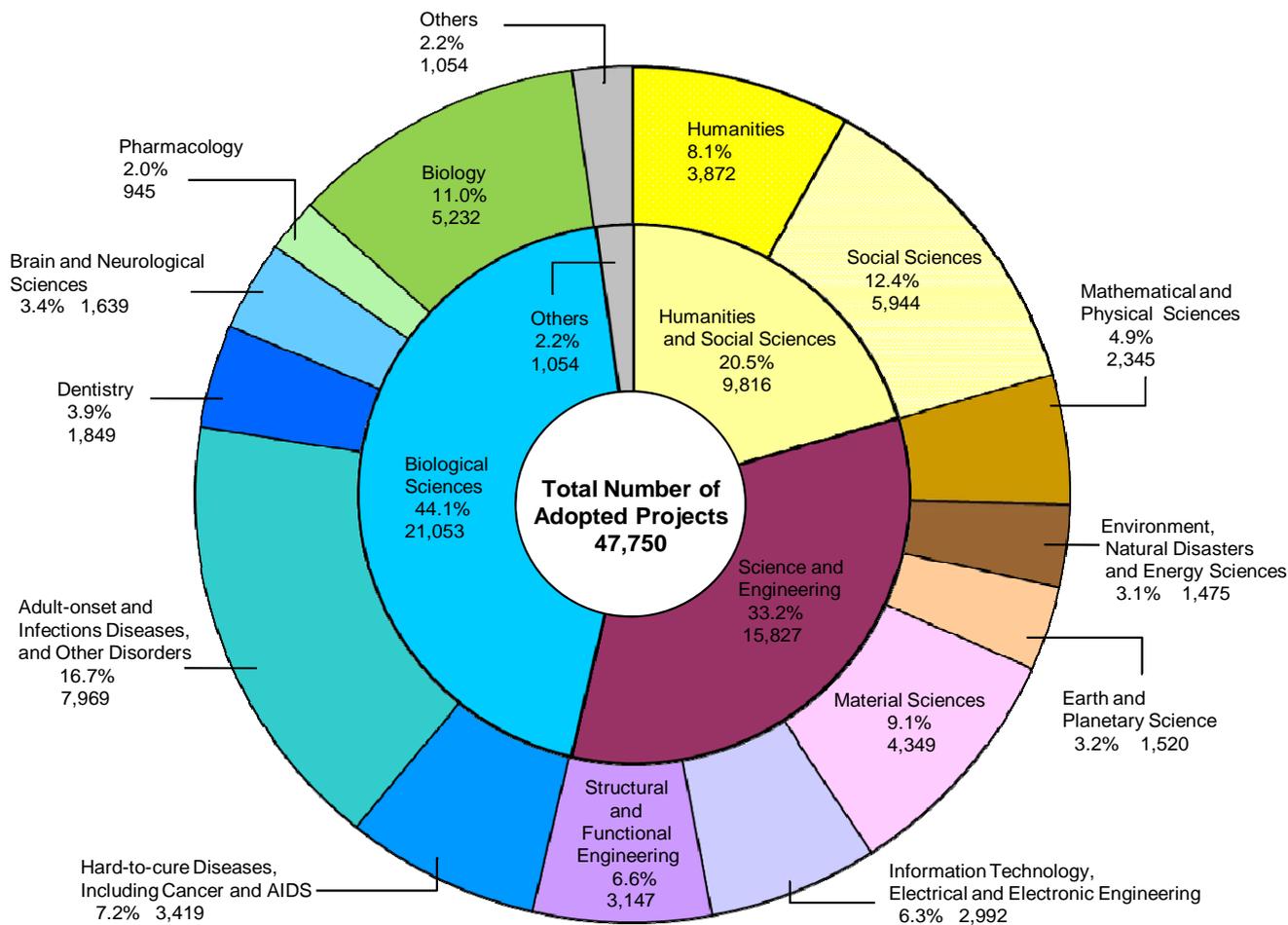
As of September 2008

Research category	Number of applications			Total grant disbursements thousands of yen	Per-project grants	
	Received	Adopted	Ratio		Average	Largest
Grants-in-aid for scientific research	[123,960] 126,594	[49,806] 49,435	[40.2] 39.1	[145,547,033] 140,276,144 【 32,147,767 】	[2,922] 2,838	[310,400] 306,100
Grant-in-aid for specially promoted research	[204] 181	[85] 86	[41.7] 47.5	[6,595,000] 7,051,900 【 2,115,570 】	[77,588] 81,999	[310,400] 306,100
Grant-in-aid for research in priority areas	[8,575] 7,995	[3,895] 3,477	[45.4] 43.5	[32,142,100] 28,559,000	[8,252] 8,214	[177,500] 281,100
Grant-in-aid for scientific research (S)	[698] 832	[344] 372	[49.3] 44.7	[5,813,700] 7,705,500 【 2,311,650 】	[16,900] 20,714	[54,400] 96,800
Grant-in-aid for scientific research (A)	[3,552] 3,672	[1,731] 1,767	[48.7] 48.1	[16,782,300] 17,206,700 【 5,162,010 】	[9,695] 9,738	[31,400] 34,300
Grant-in-aid for scientific research (B)	[16,330] 16,709	[7,598] 7,559	[46.5] 45.2	[34,011,000] 32,224,700 【 9,667,410 】	[4,476] 4,263	[14,200] 14,500
Grant-in-aid for scientific research (C)	[42,363] 43,896	[17,196] 18,068	[40.6] 41.2	[22,094,487] 21,301,619 【 6,390,486 】	[1,285] 1,179	[3,500] 3,600
Grant-in-aid for exploratory research	[17,059] 17,684	[3,879] 3,196	[22.7] 18.1	[5,506,065] 4,207,955	[1,419] 1,317	[3,700] 3,700
Grant-in-aid for encouragement of young scientists (S) *1	[1,262] 840	[35] 74	[2.8] 8.8	[600,000] 1,412,100 【 423,630 】	[17,143] 19,082	[49,200] 55,800
Grant-in-aid for encouragement of young scientists (A)	[2,000] 1,928	[829] 752	[41.5] 39.0	[4,830,700] 4,087,632 【 1,226,289 】	[5,827] 5,436	[19,300] 16,900
Grant-in-aid for encouragement of young scientists (B)	[24,518] 24,899	[11,808] 11,645	[48.2] 46.8	[14,716,171] 14,050,603 【 4,215,181 】	[1,246] 1,207	[3,200] 3,500
Grant-in-aid for encouragement of young scientists (Start-up)	[4,249] 4,576	[1,624] 1,761	[38.2] 38.5	[1,955,510] 2,118,470 【 635,541 】	[1,204] 1,203	[1,500] 1,500
Grant-in-aid for encouragement of scientists	[3,150] 3,382	[782] 678	[24.8] 20.0	[500,000] 349,965	[639] 516	[1,000] 990
Grant-in-aid for special purposes (a trial of pluriannual application)	[245] 230	[68] 69	[27.8] 30.0	[110,000] 90,000	[1,618] 1,304	[3,000] 2,600
Grant-in-aid for publication of scientific research	[1,631] 1,350	[515] 475	[31.6] 35.2	[1,800,000] 1,367,900	[3,495] 2,880	[35,800] 43,100
Grant-in-aid for JSPS fellows	[5,636] 5,911	[5,636] 5,911	[100.0] 100.0	[5,315,818] 4,710,395	[943] 797	[3,000] 3,000
Grant-in-aid for creative scientific research *2	[164] 79	[97] 79	[59.1] 100.0	[7,319,100] 5,766,200 【 1,729,860 】	[75,455] 72,990	[116,500] 109,300
Total	[131,636] 134,164	[56,122] 55,969	[42.6] 41.7	[160,091,951] 152,210,639 【 33,877,627 】	[2,853] 2,720	[310,400] 306,100

Notes:

1. The figures in [] indicate the previous fiscal year.
2. The figures in 【 】 indicate indirect funding (excluded from the total).
3. For the category with *1, only new proposals in FY2007 have been recorded
4. For the category with *2, only continued proposals in FY2008 have been recorded

5. Chart for the Budget by Research Field (FY2008)



※ This chart is a classification of initially adopted 47,750 proposals of Specially Promoted Research, Scientific Research on Priority Areas, Scientific Research, Exploratory Research, Grant-in-Aid for Young Scientists and Grant-in-Aid for Creative Scientific Research of KAKENHI in FY2008 (new and continued). (Excluding new proposals of Grant-in-Aid for Specially Promoted Research, Grant-in-Aid for Scientific Research (S), Grant-in-Aid for Young Scientists and Start up)