

Attached Table 1 List of Categories, Areas, Disciplines and Research Fields

List of Categories, Areas, Disciplines and Research Fields for FY2009 Grants-in-Aid for Scientific Research

Category: Integrated Science and Innovative Science

| Area | Discipline | Research Field | Item Number | Remark | | |
|----------------------|---|---|--|------------------------------|--------|--------|
| Comprehensive fields | Informatics | Fundamental theory of informatics | 1001 | | | |
| | | Software | 1002 | | | |
| | | Computer system/Network | 1003 | A B | | |
| | | Media informatics/Database | 1004 | A B | | |
| | | Intelligent informatics | 1005 | | | |
| | | Perception information processing/Intelligent robotics | 1006 | A B | | |
| | | Sensitivity informatics/Soft computing | 1007 | A B | | |
| | | Library and information science/Humanistic social informatics | 1008 | A B | | |
| | | Cognitive science | 1009 | | | |
| | | Statistical science | 1010 | | | |
| | | Bioinformatics/Life informatics | 1011 | A B | | |
| | | Neuroscience | Neuroscience in general | 1101 | | |
| | | | Nerve anatomy/Neuropathology | 1102 | A B | |
| | Neurochemistry/Neuropharmacology | | 1103 | | | |
| | Neurophysiology and muscle physiology | | 1104 | A B | | |
| | Laboratory animal science | Laboratory animal science | 1201 | | | |
| | Biomedical engineering | Biomedical engineering/Biological material science | 1301 | A B | | |
| | | Medical systems | 1302 | | | |
| | | Rehabilitation science/Welfare engineering | 1303 | A B | | |
| | Health/Sports science | Physical education | 1401 | A B | | |
| | | Sports science | 1402 | A B | | |
| | | Applied health science | 1403 | A B | | |
| | Human life science | General human life sciences | 1501 | A B | | |
| | | Eating habits, studies on eating habits | 1502 | A B | | |
| | Science education/Educational technology | Science education | 1601 | ※ | | |
| | | Educational technology | 1602 | ※ | | |
| | Sociology/History of science and technology | Sociology/History of science and technology | 1701 | | | |
| | Cultural property science | Cultural property science | 1801 | | | |
| | Geography | Geography | 1901 | | | |
| | New multidisciplinary fields | Environmental science | Environmental dynamic analysis | 2001 | | |
| | | | Environmental impact assessment/Environmental policy | 2002 | A B | |
| | | | Risk sciences of radiation/Chemicals | 2003 | A B | |
| | | | Environmental technology/Environmental materials | 2004 | A B | |
| | | | Nano/Micro science | Nanostructural science | 2101 | A B |
| | | | | Nanomaterials/Nanobioscience | 2102 | A B |
| | | Microdevices/Nanodevices | | 2103 | A B | |
| | | Social/Safety system science | Social systems engineering/Safety system | 2201 | A B | |
| | | | Natural disaster science | 2202 | A B | |
| | | Genome science | Basic genome science | 2301 | | |
| | | | Applied genomics | 2302 | | |
| | | | Genome informatics | 2303 | | |
| | | Living organism molecular science | Living organism molecular science | 2401 | | |
| | | Resource conservation science | Resource conservation science | 2501 | | |
| | | Area studies | Area studies | 2601 | | |
| | Gender | Gender | 2701 | | | |

Category: Humanities and Social Sciences

| Area | Discipline | Research Field | Item Number | Remark |
|------------|-----------------------|--|-------------|--------|
| Humanities | Philosophy | Philosophy/Ethics | 2801 | |
| | | Chinese philosophy | 2802 | |
| | | Indian philosophy/Buddhist studies | 2803 | |
| | | Religious studies | 2804 | |
| | | History of thought | 2805 | |
| | | Aesthetics/Art history | 2806 | |
| | The arts | Study of the arts/History of the arts/Arts in general | 2851 | |
| | Literature | Japanese literature | 2901 | |
| | | Literature in English | 2902 | |
| | | European literature (English literature excluded) | 2903 | |
| | Linguistics | Literatures/Literary theories in other countries and areas | 2904 | |
| | | Linguistics | 3001 | ※ |
| | | Japanese linguistics | 3002 | |
| | | English linguistics | 3003 | |
| | | Japanese language education | 3004 | |
| | History | Foreign language education | 3005 | ※ |
| | | Historical studies in general | 3101 | |
| | | Japanese history | 3102 | |
| | | Asian history | 3103 | |
| | | History of Europe and America | 3104 | |
| | Human geography | Archaeology | 3105 | |
| | | Human geography | 3201 | |
| | Cultural anthropology | Cultural anthropology/Folklore | 3301 | |

That have the indication "A" or "B" in the remarks column is carried out in separate groups. Make sure to select A or B based on the Attached Table "List of Categories, Areas, Disciplines and Research Fields", when applying for these research fields.

(Category: Humanities and Social Sciences)

| Area | Discipline | Research Field | Item Number | Remark |
|-----------------|-------------------------|---|-------------|--------|
| Social sciences | Law | Fundamental law | 3401 | |
| | | Public law | 3402 | |
| | | International law | 3403 | |
| | | Social law | 3404 | |
| | | Criminal law | 3405 | |
| | | Civil law | 3406 | |
| | | New fields of law | 3407 | |
| | Politics | Politics | 3501 | |
| | | International relations | 3502 | |
| | Economics | Economic theory | 3601 | |
| | | Economic doctrine/ Economic thought | 3602 | |
| | | Economic statistics | 3603 | |
| | | Applied economics | 3604 | |
| | | Economic policy | 3605 | |
| | | Public finance/ Monetary economics | 3606 | |
| | | Economic history | 3607 | |
| | Business administration | Business administration | 3701 | ※ |
| | | Commerce | 3702 | |
| | | Accounting | 3703 | |
| | Sociology | Sociology | 3801 | ※ |
| | | Social welfare and social work studies | 3802 | |
| | Psychology | Social psychology | 3901 | |
| | | Educational psychology | 3902 | |
| | | Clinical psychology | 3903 | |
| | | Experimental psychology | 3904 | |
| | Education | Education | 4001 | ※ |
| | | Sociology of education | 4002 | |
| | | Education on school subjects and activities | 4003 | ※ |
| | | Special needs education | 4004 | |

Category: Science and Engineering

| | | | | | |
|------------------------------------|---|--|-----------------------------------|------|--|
| Mathematical and physical sciences | Mathematics | Algebra | 4101 | ※ | |
| | | Geometry | 4102 | | |
| | | General mathematics (including Probability theory/ Statistical mathematics) | 4103 | | |
| | | Basic analysis | 4104 | | |
| | | Global analysis | 4105 | | |
| | | Astronomy | Astronomy | 4201 | |
| | Physics | Particle/Nuclear/Cosmic ray/ Astro physics | 4301 | ※ | |
| | | Condensed matter physics I | 4302 | | |
| | | Condensed matter physics II | 4303 | ※ | |
| | | Mathematical physics/ Fundamental condensed matter physics | 4304 | | |
| | | Atomic/Molecular/ Quantum electronics | 4305 | | |
| | | Biophysics/Chemical physics | 4306 | | |
| | | Earth and planetary science | Solid earth and planetary physics | 4401 | |
| | Meteorology/Physical oceanography/Hydrology | | 4402 | | |
| | Space and upper atmospheric physics | | 4403 | | |
| | Geology | | 4404 | | |
| | Stratigraphy/Paleontology | | 4405 | | |
| | Petrology/Mineralogy/ Science of ore deposit | | 4406 | | |
| | Geochemistry/Astrochemistry | | 4407 | | |
| | Plasma science | | Plasma science | 4501 | |
| | Chemistry | Basic chemistry | Physical chemistry | 4601 | |
| | | | Organic chemistry | 4602 | |
| | | | Inorganic chemistry | 4603 | |
| | | Applied Chemistry | Analytical chemistry | 4701 | |
| | | | Synthetic chemistry | 4702 | |
| | | | Polymer chemistry | 4703 | |
| | | | Functional materials chemistry | 4704 | |
| | | | Environmental chemistry | 4705 | |
| | | | Chemistry related to living body | 4706 | |
| | | Materials chemistry | Functional materials/Devices | 4801 | |
| | | | Organic industrial materials | 4802 | |
| | | | Inorganic industrial materials | 4803 | |
| | | | Polymer/Textile materials | 4804 | |

Engineering

| Area | Discipline | Research Field | Item Number | Remark |
|-------------|---------------------------------------|--|--------------|--------|
| Engineering | Applied physics | Applied materials science/ Crystal engineering | 4901 | |
| | | Thin film/Surface and interfacial physical properties | 4902 | |
| | | Applied optics/Quantum optical engineering | 4903 | |
| | | Applied physics, general | 4904 | |
| | | Engineering fundamentals | 4905 | |
| | Mechanical engineering | Materials/Mechanics of materials | 5001 | |
| | | Production engineering/ Processing studies | 5002 | |
| | | Design engineering/ Machine functional elements/ Tribology | 5003 | |
| | | Fluid engineering | 5004 | |
| | | Thermal engineering | 5005 | |
| | | Dynamics/Control | 5006 | |
| | | Intelligent mechanics/ Mechanical systems | 5007 | |
| | Electrical and electronic engineering | Power engineering/ Power conversion/ Electric machinery | 5101 | |
| | | Electronic materials/ Electric materials | 5102 | |
| | | Electron device/ Electronic equipment | 5103 | |
| | | Communication/Network engineering | 5104 | |
| | | System engineering | 5105 | |
| | | Measurement engineering | 5106 | |
| | | Control engineering | 5107 | |
| | Civil engineering | Civil engineering materials/ Construction/ Construction management | 5201 | |
| | | Structural engineering/ Earthquake engineering/ Maintenance management engineering | 5202 | |
| | | Geotechnical engineering | 5203 | |
| | | Hydraulic engineering | 5204 | |
| | | Civil engineering project/ Traffic engineering | 5205 | |
| | | Civil and environmental engineering | 5206 | |
| | Architecture and building engineering | Building structures/materials | 5301 | |
| | | Architectural environment/equipment | 5302 | |
| | | Town planning/Architectural planning | 5303 | |
| | | Architectural history/design | 5304 | |
| | Material engineering | Physical properties of metals | 5401 | |
| | | Inorganic materials/ Physical properties | 5402 | |
| | | Composite materials/ Physical properties | 5403 | |
| | | Structural/Functional materials | 5404 | |
| | | Material processing/treatments Metal making engineering | 5405 5406 | |
| | Process engineering | Properties in chemical engineering process/Transfer operation/Unit operation | 5501 | |
| | | Reaction engineering/ Process system | 5502 | |
| | | Catalyst/Resource chemical process | 5503 | |
| | | Biofunction/Bioprocess | 5504 | |
| | Integrated engineering | Aerospace engineering | 5601 | |
| | | Naval and maritime engineering | 5602 | |
| | | Earth system and resources engineering | 5603 | |
| | | Recycling engineering | 5604 | |
| | | Nuclear fusion studies | 5605 | |
| | | Nuclear engineering | 5606 | |
| | | Energy engineering | 5607 | |

Category: Biological Sciences

| Area | Discipline | Research Field | Item Number | Remark | | |
|---|--|---|---|----------------------|------|--|
| Biology | Basic biology | Genetics/Genome dynamics | 5701 | | | |
| | | Ecology/Environment | 5702 | | | |
| | | Plant molecular biology/ Plant physiology | 5703 | | | |
| | | Morphology/Structure | 5704 | | | |
| | | Animal physiology/ Animal behavior | 5705 | | | |
| | | Biodiversity/Systematics | 5706 | | | |
| | Biological science | Structural biochemistry | 5801 | | | |
| | | Functional biochemistry | 5802 | | | |
| | | Biophysics | 5803 | | | |
| | | Molecular biology | 5804 | | | |
| | | Cell biology | 5805 | | | |
| | | Developmental biology | 5806 | | | |
| | Evolutionary biology | 5807 | | | | |
| | | Anthropology | Physical anthropology | 5901 | | |
| | Applied anthropology | 5902 | | | | |
| | Agricultural sciences | Agriculture | Breeding science | 6001 | | |
| | | | Crop science/Weed science | 6002 | | |
| | | | Horticulture/Landscape architecture | 6003 | | |
| Plant pathology | | | 6004 | | | |
| Applied entomology | | | 6005 | | | |
| Plant nutrition/Soil science | | | 6101 | | | |
| Agricultural chemistry | | Applied microbiology | 6102 | | | |
| | | Applied biochemistry | 6103 | | | |
| | | Bioproduction chemistry/ Bioorganic chemistry | 6104 | | | |
| | | Food science | 6105 | | | |
| Forestry | | Forest science | 6201 | | | |
| | | Wood science | 6202 | | | |
| Fisheries science | | General fisheries | 6301 | | | |
| | | Fisheries chemistry | 6302 | | | |
| Agro-economics | | Agronomy | 6401 | | | |
| | | Agro-engineering | Irrigation, drainage and rural engineering/Rural planning | 6501 | | |
| Agricultural environmental engineering | | | 6502 | | | |
| Agricultural information engineering | | | 6503 | | | |
| Zootechnical science/ Veterinary medical science | | Zootechnical science/ Grassland science | 6601 | | | |
| | | Applied animal science | 6602 | | | |
| | | Basic veterinary science/ Basic zootechnical science | 6603 | | | |
| | | Applied veterinary science | 6604 | | | |
| | | Clinical veterinary science | 6605 | | | |
| Boundary agriculture | | Boundary agriculture | 6701 | | | |
| | | Applied molecular and cellular biology | 6702 | | | |
| Medicine, dentistry, and pharmacy | | Pharmacy | Chemical pharmacy | 6801 | | |
| | | | Physical pharmacy | 6802 | | |
| | | | Biological pharmacy | 6803 | ※ | |
| | | | Drug development chemistry | 6804 | | |
| | | | Environmental pharmacy | 6805 | | |
| | Medical pharmacy | | 6806 | | | |
| | Basic medicine | General anatomy (including histology/embryology) | 6901 | ※ | | |
| | | General physiology | 6902 | | | |
| | | Environmental physiology (including physical medicine and nutritional physiology) | 6903 | | | |
| | | General pharmacology | 6904 | | | |
| | | General medical chemistry | 6905 | | | |
| | | Pathological medical chemistry | 6906 | | | |
| | | Human genetics | 6907 | | | |
| | | Human pathology | 6908 | ※ | | |
| | | Experimental pathology | 6909 | ※ | | |
| | | Parasitology (including sanitary zoology) | 6910 | | | |
| | | Bacteriology (including mycology) | 6911 | | | |
| | | Virology | 6912 | | | |
| | | Immunology | 6913 | | | |
| | | Medicine, dentistry, and pharmacy | Boundary medicine | Medical sociology | 7001 | |
| | | | | Applied pharmacology | 7002 | |
| Laboratory medicine | 7003 | | | | | |
| Society medicine | Hygiene | | 7101 | | | |
| | Public health/Health science | | 7102 | | | |
| | Legal medicine | | 7103 | | | |
| Clinical internal medicine | General internal medicine (including psychosomatic medicine) | | 7201 | | | |
| | Gastroenterology | | 7202 | ※ | | |
| | Circulatory organs internal medicine | | 7203 | ※ | | |
| | Respiratory organ internal medicine | | 7204 | ※ | | |
| | Kidney internal medicine | | 7205 | ※ | | |
| | Neurology | | 7206 | ※ | | |
| | Metabolomics | | 7207 | ※ | | |
| | Endocrinology | | 7208 | | | |
| | Hematology | | 7209 | ※ | | |
| | Collagenous pathology/ Allergology | | 7210 | ※ | | |
| | Infectious disease medicine | | 7211 | | | |
| | Pediatrics | | 7212 | ※ | | |
| | Embryonic/Neonatal medicine | | 7213 | | | |
| | Dermatology | | 7214 | ※ | | |
| Psychiatric science | 7215 | | ※ | | | |
| Radiation science | 7216 | | ※ | | | |
| Clinical surgery | General surgery | | 7301 | ※ | | |
| | Digestive surgery | | 7302 | ※ | | |
| | Thoracic surgery | | 7303 | ※ | | |
| | Cerebral neurosurgery | | 7304 | ※ | | |
| | Orthopaedic surgery | | 7305 | ※ | | |
| | Anesthesiology/Resuscitation studies | | 7306 | ※ | | |
| | Urology | | 7307 | ※ | | |
| | Obstetrics and gynecology | | 7308 | ※ | | |
| | Otorhinolaryngology | 7309 | ※ | | | |
| | Ophthalmology | 7310 | ※ | | | |
| | Pediatric surgery | 7311 | | | | |
| Plastic surgery | 7312 | | | | | |
| Emergency medicine | 7313 | | | | | |
| Dentistry | Morphological basic dentistry | 7401 | | | | |
| | Functional basic dentistry | 7402 | | | | |
| | Pathobiological dentistry/ Dental radiology | 7403 | | | | |
| | Conservative dentistry | 7404 | | | | |
| | Prosthetic dentistry | 7405 | | | | |
| | Dental engineering/ Regenerative dentistry | 7406 | | | | |
| | Surgical dentistry | 7407 | ※ | | | |
| | Orthodontic/Pediatric dentistry | 7408 | | | | |
| | Periodontal dentistry | 7409 | | | | |
| | Social dentistry | 7410 | | | | |
| Nursing | Fundamental nursing | 7501 | | | | |
| | Clinical nursing | 7502 | | | | |
| | Lifelong developmental nursing | 7503 | | | | |
| | Community health/ Gerontological nursing | 7504 | ※ | | | |