

Sapporo Medical University
Graduate School of Medicine
Application Guide for Admission

- I Master Course
- II Doctor Course

Sapporo Medical University
Graduate School of Medicine
<http://web.sapmed.ac.jp>

I Master Course

1 Major and Number of Candidates to be Enrolled

Medical Sciences. 10 (this number includes a few adult students)

2 Qualifications Required

Applications are accepted from candidates who meet any of the following criteria:

- (1) University graduate or expected to graduate by March 2013
- (2) Awarded a Bachelor's degree in accordance with Article 68-2, Paragraph 3 of the School Education Law (Law 26, 1947) or in the process of acquiring a Bachelor's degree through the National Institution for Academic Degrees and University Evaluation
- (3) Completed 16 years of education abroad in accordance with the School Education Law or is expected to complete the same by March 2013
- (4) Recognition by the Minister of Education, Culture, Sports, Science, and Technology [Notification No. 5 of the Ministry of Education, Culture, Sports, Science, and Technology (MEXT), 1953]
- (5) Completed or expected to complete specialized courses at a vocational school designated based upon the Enforcement Regulation for the School Education Law, Article 70, Paragraph 1, Item 5, after the date designated by the Minister of Education, Culture, Sports, Science, and Technology (Notification No. 87 of the MEXT, 2006)
- (6) Correspondence courses from foreign educational institutions while in Japan, completed 16 years of education in a foreign country, or expected to do so by March, 2013
- (7) At least 3 years of university education or 15 years of formal education completed abroad and obtained sufficient credits toward completion with excellence in grades, as determined by the Sapporo Medical University Graduate School of Medicine
- (8) Recognized by Sapporo Medical University Graduate School of Medicine as having equal or higher academic ability than individuals who have graduated from a university through eligibility determination and will have reached 22 years of age by March, 2013

※ **Note** A candidate wishing to apply in accordance with item (7) or (8) will need to seek pre-approval in accordance with “(3) Application Process, (4) Certification of Application Eligibility.”

3 Application Process

- (1) Application Period

First Term Examination : From July 30th, 2012 (Mon.) to August 10th, 2012 (Fri.)

Second Term Examination : From Jan. 4th, 2013 (Fri.) to Jan. 11th, 2013 (Fri.)

9 AM to 5 PM. Weekends and Japanese national holidays excluded.

If sending applications by mail, use registered post, write “Applications, Graduate School of Medicine (Master's Course)” on the envelope front, and ensure arrival within the application period.

(2) Application Forms

1	Application form for admission	Please use the designated form. Enter up to 2 choices for the intended area of study. For each desired area of study, seek the approval of the academic advisor of the relevant research field prior to applying.
2	Certificate of graduation (or expected graduation)	Please submit a certificate from your highest granting institution (if you are acquiring a degree through the National Institution for Academic Degrees and University Evaluation and provide a certificate of receipt of application for degree conferment).
3	Transcript	Please provide a sealed transcript from your highest granting institution
4	Statement of intent	Please submit using the designated form
5	Certificate of health examination	To determine whether special consideration or accommodations should be provided during the entrance examination, persons meeting any of the following conditions are requested to submit a medical certificate using the designated form. (A) The sum of corrected vision in both eyes is less than 0.3, or other visual impairment of a high degree is present such that, even with use of magnifying lenses, words and figures cannot be recognized or can be recognized only with very significant difficulty. (B) Hearing ability in both ears is more than 60 decibels and, even with the use of hearing aids, regular conversation cannot be understood or can be understood only with very significant difficulty. (C) Degree of disability other than the above that requires special consideration with regard to the entrance examination or academic performance.
6	Examination admission card/photograph	Using the designated form, please attach a photograph (taken within the past 3 months, showing face and upper body, no headgear or hats, 4-cm height x 3-cm width).
7	Certificate of Alien Registration/copy of passport	For those currently living in Japan, please submit your Certificate of Alien Registration (residence status is clearly indicated) that is produced by the head of your local municipality. For those applying from abroad, please submit a copy of your passport.
8	Response envelope	Please include a self-addressed, standard-sized envelope (portrait orientation, #3) and attach a ¥ 240 stamp (if you wish to use express mail, please add an extra ¥ 270 stamp). This will be used to send your examination admission card.
9	Examination application fee	¥30,000 After carefully reading how to transfer funds described in "Regarding Transfer of Examination Fee," please fill out the necessary information in the designated transfer form (attached) and make a transfer. In addition, at the time of application, please submit the "Examination Fee Transfer Confirmation Sheet" with the receipt of money transfer (including the handling fee). The examination application fee is non-refundable.
10	Examination permit	For those currently employed, please submit proof of your supervisor's approval using the designated form attached to the Application Guide for Admissions (submission is not required for those who have already qualified through application eligibility evaluation).

(3) Pre-Interview

When selecting a major field for study, it is required to meet with the supervisor of the desired area(s) or Masters program head.

(4) Certification of Application Eligibility

For applicants to whom Qualifications Required items (7) and (8) apply, pre-certification of eligibility is required. Please follow these steps to apply.

<p>1 Application period</p> <p>First term examination: From July 9th,2012 (Mon.) to July 13th, 2012 (Fri.) Second term examination : From Dec. 3rd,2012 (Mon.) to Dec 7th., 2012 (Fri.)</p> <p>9 AM to 5 PM. (If sending by mail, use registered post, write "Application Eligibility Evaluation Application Form enclosed, Graduate School of Medicine (Master's Course)" on the envelope front, and ensure arrival within the application period).</p> <p>2 Application forms</p> <p>(1) Application Eligibility Evaluation Application Form (please use the designated form) (2) Statement of Intent (please use the designated form) (3) Examination Permission Form (For those currently employed, please submit proof of your supervisor's approval using our designated form attached to the Application Guide for Admissions).</p> <p>3 Application eligibility evaluation procedure</p> <p>This is conducted based upon the application forms. However, an oral examination may be conducted if deemed necessary.</p> <p>4 Notification of results of application eligibility evaluation</p> <p>Results of eligibility evaluation are sent by mail before the application period.</p>
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4 Foreign Student Applications

(1) Applicant Qualifications

- A Completed 16 years of education abroad in accordance with the School Education Law, or is expected to complete same by March 2013
- B Completed 15 years of formal education abroad in accordance with the School Education Law, and sufficient credits towards completion with excellence in grades, as determined by Sapporo Medical University Graduate School of Medicine
- C Recognized by Sapporo Medical University Graduate School of Medicine as having equal or higher academic ability than individuals who have graduated from a university

(2) Application Forms

For applicants from abroad, documents must be submitted through a guarantor living in Japan.

A candidate wishing to apply in accordance with item B or C will need to seek pre-approval of application eligibility. Therefore, please apply in accordance with (3) and (4).

1	Application form for admission	Please use the designated form (complete in Japanese). Enter up to 2 choices for the intended area of study. For each desired area of study, seek the approval of the academic advisor of the relevant research field prior to applying.
2	Certificate of graduation (or expected graduation)	Please submit from your highest granting institution.
3	Transcript	Please provide a sealed transcript from your highest granting institution
4	Statement of intent	Please submit using the designated form.
5	Certificate of health examination	To determine whether special consideration or accommodations should be provided during the entrance examination, persons meeting any of the following conditions are requested to submit a medical certificate using the designated form. (A) The sum of corrected vision in both eyes is less than 0.3, or other visual impairment of a high degree is present such that, even with use of magnifying lenses, words and figures cannot be recognized or can be recognized only with very significant difficulty. (B) Hearing ability in both ears is more than 60 decibels and, even with the use of hearing aids, regular conversation cannot be understood or can be understood only with very significant difficulty. (C) Degree of disability other than the above that requires special consideration with regard to the entrance examination or academic performance.
6	Examination admission card/photograph	Using the designated form, please attach a photograph (taken within the past 3 months, showing face and upper body, no headgear or hats, 4-cm height x 3-cm width).
7	Certificate of Alien Registration/copy of passport	For those currently living in Japan, please submit your Certificate of Alien Registration (residence status is clearly indicated) that is produced by the head of your local municipality. For those applying from abroad, please submit a copy of your passport.
8	Response envelope	Please include a self-addressed, standard-sized envelope (portrait orientation, #3) and attach a ¥ 240 stamp (if you wish to use express mail, please add an extra ¥ 270 stamp). This will be used to send your examination admission card.
9	Examination application fee	[If attending on a Japanese Government Scholarship for international students (research students), this fee is not required]. ¥30,000 After carefully reading how to transfer funds described in "Regarding Transfer of Examination Fee," please fill out the necessary information in the designated transfer form (attached) and make a transfer. In addition, at the time of application, please submit the "Examination Fee Transfer Confirmation Sheet" with the receipt of money transfer (including the handling fee). The examination application fee is non-refundable.

(3) Preliminary Consultation

When selecting a major field for study, it is required to consult the supervisor of the desired area(s) or Master's program head.

5 Examination Date, Subject, and Location

Examination Date	Examination Subjects	Time	Place
First term Sep. 7th, 2012 (Fri.) Second term Feb. 8th, 2013 (Fri.)	English	10:00 - 11:30	Sapporo Medical University, Fundamental Research Building, 5th Floor, Shared Conference Room
	Interview (including oral examination)	13:00-14:10	Sapporo Medical University

※ **Note** Candidates should complete registration before 09:45 AM on the day of the examination.

6 Announcement of Successful Candidates

First term: Sep. 28th, 2012 (Fri.) Second term: Mar. 1st, 2013 (Fri.)

In addition to the list of successful candidates being posted at the east entrance of the university at 10 AM, the candidates will also be notified individually.

7 Enrollment Procedures (Details will be provided again after the announcement of passing the examination.)

(1) Registration period

From DD March, 2013 () until DD March, 2013 ()

9 AM to 5 PM. If sending by mail, use registered post, write "Enrollment Forms, Graduate School of Medicine (Master's Program)" on the envelope front, and ensure arrival within the registration period.

(2) Enrollment Documents

Abstract of family register	One copy to be obtained within 3 months prior to enrollment.
Covenant	Having the signature of a joint guarantor using our designated form (joint guarantor is parent or other who will pay the tuition fee).
Entrance fees	¥282,800 (Entrance fees are subject to change). In addition, if attending on a Japanese Government Scholarship for international students (research students), the fee is not applicable.
Bank transfer request form	Account to be debited for tuition fees.

8 Tuition Fees

In the fiscal year 2013, fees are ¥ 535,800 per year (Tuition fees are subject to change).

An amount equal to one-half of the annual fee, paid in two phases. First semester in April and second semester in October.

In addition, if tuition fees are revised while you are in school, the tuition fees after revision will be applied.

9 Regarding Handling of Personal Information

In this Graduate School, personal information indicated on the forms submitted at the time of application, including application forms, is used only for the purpose of selecting new students (including Application Eligibility Evaluation), announcement of successful candidates, enrollment process, and for provision of information after admission.

10 Submission of Documents and Contact Information

Please contact the Academic Affairs Chief Administrator regarding submission of application forms and enrollment forms, Application Guide for Admission, and inquiries related to the Graduate School.

〒 060—8556 S1 W17, Chuo-ku, Sapporo

Sapporo Medical University, Division of Student Affairs and Research, Project Chief for Graduate School
(University East Wing Building, 1st Floor)

Telephone (011) 611—2111 x 2177

Fax (011) 611—2219

Overview of the Sapporo Medical University Graduate School of Medicine Medical Sciences Master Course

1 Purpose

The purpose of the Graduate School of Medicine Medical Sciences Masters Course is to enroll students who have received university education in a medical treatment-related field, natural sciences, or humanities and social sciences. They are taught specialized, advanced knowledge related to medicine/medical treatment in order to create specialized professionals with broad medical knowledge and high judgment, and to increase the sophistication of local medical treatment. At the same time, the aim is to produce researchers who also have deep medical knowledge to send into various fields, including medicine/medical treatment, in order to promote diversification, reinvigoration, increased sophistication, and to drive progress in each field of research.

2 Available Student Openings

New student openings: 10 Total admission capacity: 20

3 Length of Course of Study

2 years (and not exceeding 4 years).

4 Completion Requirements

Enrollment in Graduate School of Medicine Masters Course for more than 2 years, receive more than 30 credits toward a designated major, and pass the evaluation and final examination of a Masters thesis conducted by the Graduate School of Medicine after receiving necessary research supervision.

5 Degree

Master of Science (Medical Sciences)

6 Overview of Courses

Subject Field	Course Name	Classes Conducted				Number of Credits		
		1st year		2nd year		Required	Required Selection	
		Spring	Fall	Spring	Fall			
Lecture	General Education	Bioinformatics Lecture (I)	○				1	
		Bioinformatics Lecture (II)	○				1	
		Biological Functions and Morphology (I)	○				1	
		Biological Functions and Morphology (II)	○				1	
		Pathology Lecture (I)	○				1	
		Pathology Lecture (II)	○				1	
		Sociology Lecture	○				1	
	Specialized Education	Clinical Medicine Lecture (I)		○			1	
		Clinical Medicine Lecture (II)		○			1	
		Clinical Medicine Lecture (III)		○			1	
		Clinical Medicine Lecture (IV)		○			1	
		Radiology Lecture		○			1	
		Health Behavioral Science Lecture		○			1	
		Physiology of Brain and Nerve Lecture		○			1	
Practical	Bioinformatics Lab (I)	○	○	○	○		1 credit per term	
	Bioinformatics Lab (II)	○	○	○	○			
	Biological Functions and Morphology Lab (I)	○	○	○	○		4 or more credits must be obtained	
	Biological Functions and Morphology Lab (II)	○	○	○	○			
	Pathology Lab (I)	○	○	○	○		3 or more credits must be obtained in subjects related to Special Research	
	Pathology Lab (II)	○	○	○	○			
	Sociology Lab	○	○	○	○			
	Clinical Medicine Lab (I)	○	○	○	○			
	Clinical Medicine Lab (II)	○	○	○	○			
	Clinical Medicine Lab (III)	○	○	○	○			
	Clinical Medicine Lab (IV)	○	○	○	○			
	Radiology Lab	○	○	○	○			
Health Behavioral Science Lab	○	○	○	○				
Physiology of Brain and Nerve Lab	○	○	○	○				

Subject Field	Name of Special Research Subjects	Classes Conducted				Number of Credits	
		1st year		2nd year		Required	Required Selection
		Spring	Fall	Spring	Fall		
Special Research Subjects	Molecular Cell Biology		o	o	o		
	Biological informatics and Anatomy		o	o	o		
	Medical Genomics		o	o	o		
	Molecular Medicine and Gene Therapy		o	o	o		
	Developmental and Regenerative Medicine		o	o	o		
	Tumor Immunology		o	o	o		
	Tumor Pathology		o	o	o		
	Clinical Pathology		o	o	o		
	Gastroenterology-function and Molecular Regulation		o	o	o		
	Cardiovascular and Renal Pathophysiology		o	o	o		
	Respiratory Medicine		o	o	o		
	Thoracic and Cardiovascular Surgery		o	o	o		
	Ophthalmology and Visual Sciences		o	o	o		
	Cutaneous Tumor Medicine		o	o	o		
	Surgical Oncology and Gastrointestinal Surgery		o	o	o		
	Functional Stomatology and Oral Surgery		o	o	o		
	Medical Anthropology		o	o	o		
	Environmental Health and Preventive Medicine		o	o	o		
	Community Medicine and Health Sciences		o	o	o		4 credits per term
	Legal Medicine/Alcohol Medicine		o	o	o		
	Neuropsychiatry		o	o	o		
	Clinical Epidemiology		o	o	o		
	Molecular Analysis		o	o	o		
	Molecular Pathology and Informatics		o	o	o		
	Molecular Medicinal Biochemistry		o	o	o		
	Radiation Protection Medicine		o	o	o		
	Rehabilitation Medicine		o	o	o		
	Orthopedics		o	o	o		
	Neurosurgery		o	o	o		
	Pathophysiology of Neuromuscular Diseases		o	o	o		
Health Behavioral Science		o	o	o			
Pharmaceutical Health Care and Sciences		o	o	o			
Neuro-molecular Pharmacology		o	o	o			
Medical Crisis Management		o	o	o			
Radiation Oncology, Biology, and Physics		o	o	o			
Renal, Urinary Tract, and Reproductive Medicine		o	o	o			
Physiology of brain and nerve		o	o	o			
Cellular Physiology and Signal Transduction		o	o	o			
Functional Morphology and Anatomy		o	o	o			
Intellectual Property in Medicine		o	o	o			
Neural Regenerative Medicine		o	o	o			

7 Completion of Program

Each year of the Masters program is divided into 2 terms, spring and fall.

A lecture is composed of 7 general education topics conducted during the spring term of the 1st year and specialized education courses conducted during the fall term of 1st year. Both are required to be attended. One subject provides 1 credit, for a total of 14 credits.

Practicals are required to be attended. One credit is obtained from 1 semester of practicals. Over the 2 years, 4 or more credits are obtained for more than 1 subject. In order to facilitate "Special Research Subjects," more than 3 credits from practicals related to the subjects selected for "Special Research" should be obtained. If it is desired to gain broad knowledge of a variety of fields, then it is important to obtain more than 4 credits.

A selection of "Special Research Subjects" is required. Four credits are provided by taking 1 "Special Research Subject" for 1 semester. A total of 12 credits are taken in the 3 semesters, starting with the fall of the 1st year. Subjects for Special Research are selected from research groups that wish to recruit Masters students, as indicated in the Application Guide for Admission.

From the above, a total of 30 or more credits should be obtained over the 2-year period.

8 List of Special Research Subjects for Medical Sciences (Master Course)

Area	Academic Advisor	Main Areas of Research
Molecular Cell Biology	Professor Koichi Yoshida	1 Involvement of the ETS gene in the development and progression of cancer
Contact E-mail	kyoshida@sapmed.ac.jp	2 Studies on ecology, classification, and evolution of nematode strains
		3 Bio-imaging analysis of signaling molecules during immune-synapse formation in T cell activation
Biological informatics and Anatomy	Professor Haruyuki Tatsumi	1 Ultrastructural and three-dimensional analysis of tissues/cells, and development and application of an integration system
Contact E-mail	tatsumi@sapmed.ac.jp	2 Analysis of properties of nerve cells using nerve cell culture
		3 Analysis of neural network construction mechanisms using selective nerve labeling techniques and ultrastructural analysis
		4 Development of strategic defensive medicine systems as a means of returning benefits of life science research to society
		a) Development and application of Health management system by Zero Click Ubiquitous Sensor Network
		b) Development and application of drug information system, "Evidence-Based Tailor-Made Info-Medicine."
Medical Genomics	Professor Takashi Tokino	1 Molecular and genetic analysis of malignant tumor pathogenesis
Contact E-mail	tokino@sapmed.ac.jp	2 p53 tumor suppressor gene research
		3 Molecular analysis of cell cycle in cancer cells
		4 Human genome analysis and genetic diagnosis of cancer for the development of personalized treatment
Molecular Medicine and Gene Therapy	(Selection in progress)	STAAB Project: Development of targeted gene therapy by creating super-targeting antibodies (STAAB) for the treatment of intractable cancers such as pancreatic cancer, prostate cancer, melanoma, and multiple myeloma. The goal is the establishment and development of data that will lead to practical applications for therapeutic antibodies for the treatment of these cancers.
Contact E-mail		
Developmental and Regenerative Medicine	Professor Toshihiro Mitaka	1 Research on the mechanism of proliferation and maturation of hepatic stem/progenitor cells
Contact E-mail	tmitaka@sapmed.ac.jp	2 Functional analysis of small hepatocyte-specific genes and proteins
		3 Trial treatment of liver disease and liver cell replacement via hepatic stem/progenitor cell transplantation
		4 In vitro liver tissue formation using fetal and adult hepatic stem/ progenitor cells
		5 Role of the extracellular matrix in liver tissue formation
		6 Analysis of molecular mechanisms that control the formation of liver tissue structures including bile ducts
Tumor Immunology	Professor Noriyuki Sato	1 Cancer-specific immune system and development of cancer vaccine
Contact E-mail	nsatou@sapmed.ac.jp	2 Lymphocyte antigens and function
		3 Molecular mechanisms of immunotolerance and immune memory
		4 Molecular pathology of functions of molecular chaperone represented by heat shock protein
		5 Antigen processing, presentation and molecular chaperones, and specific immunity activation mechanisms by natural immunity
		6 Immunogenetics and genetic diagnosis
		7 Signal transduction and apoptosis

Tumor Pathology	Professor Tadashi Hasegawa	1 Pathomorphological imaging of malignant tumors of specific organs and analysis of immunohistochemical characteristics
Contact E-mail	hasetada@sapmed.ac.jp	2 Genetic analysis of organ-specific malignant tumors
		3 Study of the degree of malignancy of specific organs, prognostic factors, and therapeutic molecular targeting
		4 Development of novel pathological diagnostic methods
Clinical Pathophysiology	Professor Naoki Watanabe	1 Development of cancer diagnostic method based on molecular function analysis
Contact E-mail	watanabn@sapmed.ac.jp	2 Infection genotyping and application to nosocomial infection control
		3 Development of new blood transfusion testing methods
		4 Development of a high-sensitivity detection method for trace substances in the body
		5 Study of the body's stress-response mechanism
		6 Development of a cardiac function evaluation method using three-dimensional echocardiography
Gastroenterology-fuction and Molecular Regulation	Professor Yasuhisa Shinomura	1 Construction of new personalized-medicine for gastrointestinal diseases using the latest genetic information
Contact E-mail	shinomura@sapmed.ac.jp	2 Genetic diagnosis and treatment of gastrointestinal cancer in the 21st century
		3 Development of a new molecular-targeted cancer therapy
		4 Cancer growth factor receptors and intracellular signal transduction systems
		5 Origin and development of autoimmune diseases
		6 Development of new treatments for autoimmune diseases
Cardiovascular and Renal Pathophysiology	Associate Professor Kazufumi Tsuchihashi	1 Pathophysiology of high blood pressure
Contact E-mail		2 Etiology and pathogenesis of renal diseases and water/electrolyte metabolism
		3 Etiology and pathogenesis of diabetes mellitus
		4 Causes of metabolic syndrome/obesity and their relationship with cardiovascular diseases
		5 Novel diagnosis methods and treatment for arrhythmia/ischemic heart disease
Respiratory Medicine	Professor Hiroki Takahashi	1 Lung cancer proliferation and drug sensitivity
Contact E-mail	htaka@sapmed.ac.jp	2 Pathology, diagnosis, and treatment of interstitial pneumonia/pulmonary fibrosis
		3 Research on respiratory tract infections and natural immunity
		4 Pathology, diagnosis, and treatment of bronchial asthma
		5 Structural analysis of the lung and bronchus and development of a virtual endoscopy test
Thoracic and Cardiovascular Surgery	Professor Tetsuya Higami	1 Myocardial protection during open-heart surgery
Contact E-mail	higami@sapmed.ac.jp	2 Pathogenesis and countermeasures for organ damage in ischemia-reperfusion
		3 Brain and spinal cord protection during surgery for aortic aneurysm
		4 Off-pump coronary artery bypass graft surgery using bilateral internal thoracic artery
		5 Circulation assistance in severe heart failure
		6 Cardiovascular regenerative medicine
		7 Development of small diameter vascular prostheses
		8 Minimally invasive thoracoscopy for respiratory disease
		9 Minimally invasive methods for cardiac/major vascular disease

Ophthalmology and Visual Sciences	Professor Hiroshi Ooguro	1 Molecular pathogenesis and treatment of retinal degenerative diseases
Contact E-mail	ooguro@sapmed.ac.jp	2 Molecular pathogenesis and treatment of glaucoma
		3 Clinical pathophysiology of strabismus
		4 MR spectroscopy of pars orbitalis tumor
		5 Molecular pathogenesis of diabetic retinopathy
Cutaneous Tumor Medicine	Professor Toshiharu Yamashita	1 Molecular biological analysis of carcinogenesis and apoptotic processes of melanoma
Contact E-mail	yamasita@sapmed.ac.jp	2 Structure and expression of differentiation-related genes of melanocytes and melanoma cells
		3 Establishment of biochemical method and molecular targeted therapy for skin cancer
		4 Molecular biological analysis of wound healing process
		5 Genetic diagnosis of UV-induced carcinogenesis and xeroderma pigmentosum
Surgical Oncology and Gastrointestinal Surgery	Professor Koichi Hirata	1 Gene therapy and stem cell manipulation for cancer/organ-failure treatment
Contact E-mail	y-yamaya@sapmed.ac.jp	2 Development of minimally invasive surgical methods for improving quality of life of patients with cancer of the mammary glands, liver, gallbladder, pancreas, and stomach
		3 Cell/organ transplant and warm ischemia, immunosuppression, immunotolerance induction, and gene manipulation therapy
		4 Molecular biological research related to malignancy of intraductal carcinoma (lactiferous, bile, and pancreatic ducts)
		5 Proteomics and DNA array analysis related to the mechanism of cancer metastasis and cancer characteristics
		6 Long-term cultures of normal epithelial cells (liver, pancreas) for artificial organs and transplants
		7 Clinical cancer-specific immunotherapy and cancer vaccine therapy
		8 Development of functional evaluation methods for new transplanted organs (liver, pancreas).
Functional Stomatology and Oral Surgery	Professor Hiroyoshi Hiratsuka	1 Postoperative functional recovery from stomatognathic disease
Contact E-mail	hiratuka@sapmed.ac.jp	2 Immunological analysis and treatment
		3 Genetic analysis and therapy
		4 Expression of cellular adhesion factors and gene abnormalities
		5 Pathology of jaw deformity and application of surgical corrective treatment
Medical Anthropology	(Selection in progress)	1 Medical philosophy
Contact E-mail	imaim@sapmed.ac.jp	2 Bioethics
		3 History of medical ideas
		4 Theory of medical education
Environmental Health and Preventive Medicine	Professor Nobumichi Kobayashi	1 Molecular epidemiology of viral infections
Contact E-mail	nkobayas@sapmed.ac.jp	2 Analysis of diversity in viral genes
		3 Mechanisms of formation of viral genetic diversity
		4 Development and investigation of alternative method for bacterial genotyping
		5 Diversity of drug-resistance genes and virulence genes in bacteria

Community Medicine and Health Sciences	Professor Mitsuru Mori	1 Improvement of community healthcare and welfare for the elderly
Contact E-mail	mitsurum@sapmed.ac.jp	2 Community health promotion for middle-aged and elderly people
		3 Study of molecular epidemiology related to interaction of host and environmental factors for cancer prevention
		4 Preventive medicine and epidemiological studies in cardiovascular diseases, specified diseases, and other diseases
		5 Preventive medicine and epidemiological studies in stress and mental health in workplaces
Legal Medicine/Alcohol Medicine	Professor Hiroshi Matsumoto	1 Autopsies and examinations at the time of large-scale disasters
Contact E-mail	hmatsumo@sapmed.ac.jp	2 Role of the third-party organization in deaths related to medical care
		3 Investigation of present conditions and prevention of drunk driving
		4 Discovery of novel markers for alcohol consumption
		5 Polymorphisms in diagnosis of diseases that cause sudden death
Neuropsychiatry	Professor Toshikazu Saito	1 Neurobiological research related to abnormalities of neural network in mental disorders and its repair/regeneration mechanisms
Contact E-mail	tosaito@sapmed.ac.jp	2 Development of novel treatments for mental disorders using neural stem cells
		3 Neuropsychological study of human higher cognitive functions using a visual working memory task
		4 Social psychiatry research related to mental health
Clinical Epidemiology	Professor Wari Yamamoto	1 Analysis of the elements leading to biases and accidents
Contact E-mail	wari@sapmed.ac.jp	2 Quantitative evaluation of diagnosis, risk and prognosis, treatment, harm, and prevention
		3 Analysis of clinical decisions
		4 Meta-analysis and analysis of clinical economics
Molecular Analysis	Professor Hitoshi Sohma	1 Sequence analysis of biological materials using mass spectrometer, and so on.
Contact E-mail	Hitoshi.Sohma@sapmed.ac.jp	2 Relationship between protein conformation and physiological function.
		3 Molecular pathological analysis of protein biomarkers.
Molecular Medicinal Biochemistry	Professor Yoshio Kuroki	1 Molecular mechanisms of development of physiological function
Contact E-mail	kuroki@sapmed.ac.jp	2 Biological defense: molecular mechanisms of natural immunity
		3 Glycobiology
		4 Pathological biochemistry
		5 Correlation of structure and function of proteins
Radiation Protection Medicine	Professor Jun Takada	1 Nuclear protective studies
Contact E-mail	juntakada@sapmed.ac.jp	2 Global nuclear hazard and dosimetry
		3 Protective methods against acute radiation injuries
		4 Post-injury risk prediction and prevention
		5 Studies on radiation dose assessment
		6 Radiation emergency medicine
		7 Physics of radiation medicine
Molecular Pathology and Informatics	Professor Yasuo Kokai	1 Analysis of protein expression by mass spectrometry
Contact E-mail	kokai@sapmed.ac.jp	2 Theory and practice of purification and identification of proteins with proteomics
		3 Theory and practice of biomarker discovery using pathological models
		4 Concepts of disease and its analysis using disease models

Rehabilitation Medicine	Professor Sumio Ishiai	1 Quantitative assessment of higher brain dysfunction and cognitive rehabilitation
Contact E-mail	ishiai@sapmed.ac.jp	2 Disorders of behavior, actions, and conduct, and lesions/theory of mechanisms
		3 Time-series behavioral analysis of motor impairment in stroke patients
		4 Rehabilitation approach for chronic pain
		5 Wheelchair seating for patients with neuromuscular diseases
Orthopaedics	Professor Toshihiko Yamashita	1 Mechanisms of pain development and countermeasures
Contact E-mail	tyamasit@sapmed.ac.jp	2 Development of immunotherapy for malignant bone and soft tissue tumors
		3 Biomechanics of ligaments and tendons
		4 Tissue regeneration medicine (bone and spinal regeneration)
		5 Bone metabolism (osteoporosis)
		6 Sensory nerve physiology of the joints and vertebrae
		7 Sports medicine
Neurosurgery	Professor Nobuhiro Mikuni	1 Clinical research for brain function-sparing surgery (neuroimaging analysis, navigation surgery, awake surgery, brain function mapping, and monitoring)
Contact E-mail	mikunin@sapmed.ac.jp	2 Pathological investigation and treatment of cerebral ischemia
		3 Study of spinal surgery
		4 Study of skull base surgery
		5 Regenerative medicine (brain tumor stem cell research)
		6 Pathological investigation and treatment of functional diseases (epilepsy)
Pathophysiology of Neuromuscular Diseases	Professor Shun Shimohama	1 Pathological investigation of Alzheimer's disease and development of novel diagnostic methods and therapies
Contact E-mail	shimoha@sapmed.ac.jp	2 Investigation of molecular pathology and treatment of neurodegenerative disorders
		3 Pathological investigation and treatment of immune-mediated neurological diseases
		4 Neurophysiological research of neurological diseases
		5 Development of clinical practice and medical system for cerebrovascular diseases
Health Behavioral Science	Associate Professor Goichi Tanaka	1 Psychophysiology of cardiovascular system
Contact E-mail	gTanaka@sapmed.ac.jp	2 Non-invasive measurement of hemodynamics
		3 Evaluation methods of cardiovascular health
		4 Investigation of acute stress reaction by the hypothesis of blood pressure reactivity
		5 A psycho-neuro-endocrino-immunological approach to chronic stress
		6 Structural investigation of psychosocial factors affecting health
		7 Intervention of stress management and health education
Pharmaceutical Health Care and Sciences	Professor Atsushi Miyamoto	1 Risk factors for drug-induced long QT syndrome
Contact E-mail	atsushi@sapmed.ac.jp	2 Polymorphism analysis of genes involved in pharmacokinetics
		3 Signal transduction abnormalities in aging and aging-related diseases

Neuro-molecular Pharmacology	Professor Yoshiyuki Horio	1 Function of histone deacetylase SIRT1 in stem cells
Contact E-mail	horio@sapmed.ac.jp	2 Enhancement of cellular stress resistance of histone deacetylase SIRT1
		3 Function of histone deacetylase SIRT3
		4 Function of histone deacetylase SIRT1 in cancer
		5 Role of Ca ²⁺ in apoptosis
		6 Mechanism of intracellular Ca ²⁺ mobilization
Medical Crisis Management	Professor Koichi Hirata	1 Cardiopulmonary-cerebral resuscitation using PCPS
Contact E-mail		2 Clinical and experimental studies on brain hypothermic therapy
		3 Immune response during highly invasive surgery or injury
		4 Pathophysiology of multiple trauma and severe burns
		5 Pathophysiology and treatment of sepsis
		6 Pathophysiology and treatment of acute lung injury
		7 Pathophysiology and treatment of multiple organ failure
		8 Study of disaster medicine
Radiation Oncology, Biology, and Physics	Professor Masamitsu Hatakenaka	1 Physics of medical radiation
Contact E-mail		2 High-precision radiotherapy
		3 Quality control in radiotherapy
		4 Image-guided radiotherapy
		5 Image-guided brachytherapy
Renal, Urinary Tract, and Reproductive Medicine	Professor Taiji Tsukamoto	1 Genitourinary oncology, medical oncology, and tumor immunology
Contact E-mail	taijit@sapmed.ac.jp	2 Minimally invasive/function-sparing surgery for malignant tumors in urology
		3 Epidemiology, developmental mechanisms, and treatment of prostatic hypertrophy
		4 Epidemiology, developmental mechanisms, and treatment of urinary tract and genital infection, particularly mucosal immunology of urinary tract
		5 Immunosuppressive therapy, organ protection, and mechanisms of rejection in renal transplants/transplant immunology
		6 Fundamental and clinical studies of gender identity disorder
		7 Cause and treatment of sexual dysfunction and male infertility
Physiology of brain and nerve	Professor Takashi Nagamine	1 Investigation of higher brain function with non-invasive techniques
Contact E-mail	nagamine@sapmed.ac.jp	2 Motor control mechanisms of the central nervous system
		3 Neural mechanisms of learning
		4 Mechanisms for hippocampal synaptic transmission
		5 Regulation of cerebral hemodynamics by small diameter cerebral arteries
Cellular Physiology and Signal Transduction	Professor Noritsugu Tohse	1 Structure/function relationship of ion channels
Contact E-mail	touse@sapmed.ac.jp	2 Ion channel dysfunction as a cause of disease (particularly diabetes mellitus)
		3 The role of ion channels in physiological function
		4 Changes in calcium kinetics of cardiac myocytes in development

Functional Morphology and Anatomy	Professor Mineko Fujimiya	1 Stem cell research for regenerative medicine and degenerative diseases
Contact E-mail fujimiya@sapmed.ac.jp		2 Brain-gut interactions
		3 Bio-anthropological research of skeletal specimens
		4 Biomechanics
		5 Bone marrow stem-cell research for repair/regeneration of the intestinal mucosa
		6 Relationship between biological reactions of psychological stress induction and bone marrow-derived cells
Intellectual Property in Medicine	Professor Masaho Ishino	1 Research on effective protection and utilization of medical technology by the patent system
Contact E-mail ishino@sapmed.ac.jp		2 Construction of industry-academia collaboration system in the field of medical research
		3 Construction of infrastructure for efficient implementation of technological innovations in medicine
Neural Regenerative Medicine	Professor Osamu Honmou	1 Proliferation and differentiation of stem cells
Contact E-mail honmou@sapmed.ac.jp		2 Regulation of stem cell differentiation
		3 Plasticity and regeneration of damaged brain and spinal cord
		4 Fundamental studies in stem-cell regenerative therapy
		5 Clinical studies in various central nervous system diseases
		6 Novel methods to evaluate the efficacy of cell therapy
		7 Infrastructure for the promotion of regenerative medicine
		8 Establishment of a system for supply of clinical-grade stem cells

II Doctoral Course

1 Major and Number of Candidates to be Enrolled: 50

2 Qualifications Required

- (1) Those who have graduated or who expect to graduate by March 2013 from a university of medicine, dentistry, or a 6-year course of veterinary medicine
- (2) Completed 18 years of education abroad (final specialization must be medicine, dentistry, or veterinary medicine) in accordance with the School Education Law, or is expected to complete the same by March 2013
- (3) Recognition by the Minister of Education, Culture, Sports, Science, and Technology
 - A Those who have graduated from the department of medicine or dentistry of an accredited university according to the old University Ordinance
 - B Person having graduated from the National Defense Medical College, according to the Defense Agency Establishment Act (Law No. 164 of 1954)
 - C Person having completed a Master's program or who will be receiving a Master's degree or those who have spent 2 or more years in a doctoral program that does not have a 2-year first-stage program and a 3-year second-stage program, have completed more than 30 credits, have received necessary research guidance, and whose academic ability is recognized by Sapporo Medical University Graduate School of Medicine as equivalent or superior to a graduate from a school of medicine, dentistry, or veterinary medicine
 - D Those who have graduated from a university (excluding medical, dental, or veterinary courses) or who have completed 16 years of formal education abroad, followed by research for 2 or more years at a university or research institute, and whose academic ability is recognized by Sapporo Medical University Graduate School of Medicine as equivalent or superior to a graduate from a school of medicine, dentistry, or veterinary medicine based upon the results of relevant research
- (4) Recognized by Sapporo Medical University Graduate School of Medicine as having equal or higher academic ability than individuals who have graduated from a university (medical, dentistry, or a 6-year course of veterinary medicine) through eligibility determination, and will have reached the age of 24 years by March 31, 2013
- (5) Recognized by Sapporo Medical University Graduate School of Medicine as having equal or higher academic ability than individuals who have graduated from a university of medicine, dentistry, or a 6-year course of veterinary medicine

Note 1: Status of medical license will not be requested.

3 Application Process

- (1) Application Period

First Term Examination : From July 30th, 2012 (Mon.) to August 10th, 2012 (Fri.)

Second Term Examination : From Jan. 4th, 2013 (Fri.) to Jan. 11th, 2013 (Fri.)

9 AM to 5 PM. Weekends and Japanese national holidays excluded.

(If sending by mail, use registered post, write "Graduate school application documents enclosed" on the envelope front, and ensure arrival within the application period).

※ Even after failing the first term examination, applicants will be allowed to apply for the second term examination.

(2) Application Forms

1	Application form for admission	Please use the designated form that accompanies the Application Guide for Admission.
2	Photograph	Three photographs that were taken within the past 3 months (4-cm height x 3-cm width, showing face and upper body, no headgear or hats, full name written on the back)
3	Transcript	[These records are not required for graduates or pending graduates of Sapporo Medical University.] A sealed transcript that was created by the President or Department Head of the university from which you graduated. For those who have completed a Master's program or expected to complete the same from a graduate school, please submit a transcript from the Master's program in addition to the transcript from your university.
4	Certificate of graduation (or expected graduation) / Certificate of completion (or expected completion)	[These records are not required for graduates or pending graduates of Sapporo Medical University.] A sealed certificate that was created by the President or Department Head of the university from which you graduated. For those who completed a Master's program in graduate school or expected to complete, please submit a certificate of completion (or expected completion) from the Master's program in addition to the certificate of graduation from your university.
5	Certificate of health examination	To determine whether special consideration or accommodation should be provided during the entrance examination, persons meeting any of the following conditions are requested to submit a medical certificate using the designated form. (A) The sum of corrected vision in both eyes is less than 0.3, or other visual impairment of a high degree is present such that, even with use of magnifying lenses, words and figures cannot be recognized or can be recognized only with very significant difficulty. (B) Hearing ability in both ears is more than 60 decibels and, even with the use of hearing aids, regular conversation cannot be understood or can be understood only with very significant difficulty. (C) Degree of disability other than the above that requires special consideration with regard to the entrance examination or academic performance
6	Examination application fee	¥30,000 After carefully reading how to transfer funds, described in "Regarding Transfer of Examination Fee," please fill out the necessary information in our designated transfer form (attached) and make a transfer. In addition, at the time of application, please submit the "Examination Fee Transfer Confirmation Sheet" with the receipt of money transfer (including the handling fee). The examination application fee is non-refundable.
7	Response envelope	Please include a self-addressed, standard-sized envelope (portrait orientation, #3) and attach a ¥ 240 stamp (including the fee for acceptance-recorded mail). This will be used to send your examination admission card.
8	Examination permit	For those currently employed, please submit proof of your supervisor's approval using our designated form attached to the Application Guide for Admissions (submission is not required for those who have already qualified through application eligibility evaluation).
For adult applicants, in addition to the above documents, please also submit the following: 1 Statement of Intent (Attached form) 2 Research Plan (Attached form, summary approximately 2,000 words) 3 History of Research Activities (Attached form)		

(3) Certification of Application Eligibility

For applicants to whom Qualifications Required items (3) D, (4), and (5) apply, and also those who are applying as an international student from a country where graduation from university does not require 18 years (medicine, dentistry, or veterinary medicine), pre-certification of eligibility is required. Please follow these steps to apply.

1	Application period First term examination : From July 9th,2012 (Mon.) to July 13th, 2012 (Fri.) Second term examination : From Dec. 3rd,2012 (Mon.) to Dec 7th., 2012 (Fri.)
2	Application forms (1) Application Eligibility Evaluation Application Form (designated form attached to the Application Guide for Admission) (2) Statement of Intent (Attached Form) (3) Research Plan (Attached form, summary approximately 2,000 words) (4) Examination Permission Form (For those currently employed, please submit proof of your supervisor's approval using the designated form attached to the Application Guide for Admissions.) (5) History of Research Activities (Attached Form)
3	Application eligibility evaluation procedure This is conducted based upon the application forms. However, an oral examination may be conducted if deemed necessary.
4	Notification of results of application eligibility evaluation Results of eligibility evaluation are sent by mail before the application period.

4 Foreign Student Applications

(1) Application Qualifications

- A Completed 18 years of education abroad (final specialization must be medicine, dentistry, or veterinary medicine), or is expected to complete the same by March 2013
- B Those who have completed 16 years of formal education abroad in accordance with the School Education Law, followed by research for 2 or more years at a university or research institute and whose academic ability is recognized by Sapporo Medical University Graduate School of Medicine as equivalent or superior to a graduate from a school of medicine, dentistry, or veterinary medicine based upon the results of relevant research
- C Those who have completed 16 years of formal education abroad, followed by research for 2 or more years at a university or research institute and whose academic ability is recognized by Sapporo Medical University Graduate School of Medicine as equivalent or superior to an individual who has obtained a Master's degree based upon the results of relevant research

(2) Application Forms

※ For applicants from abroad, documents must be submitted through a guarantor living in Japan.

In addition, a candidate wishing to apply in accordance with item B or C will need to seek pre-approval of application eligibility. Therefore, please apply in accordance with 3 (3).

1	Application form for admission	Please use the designated form attached to the Application Guide for Admission.
2	Photograph	Three photographs that were taken within the past 3 months (4-cm height x 3-cm width, showing face and upper body, no headgear or hats, full name written on the back).
3	Certificate of graduation and transcript	Certificate and transcript from the highest degree-granting institute.
4	Certificate of health examination	Please use the designated form attached to the Application Guide for Admission. The form should be produced by a physician within 3 months of application.
5	Examination application fee	[If attending on a Japanese Government Scholarship for international students (research students), the fee is not required]. After carefully reading how to transfer funds, described in "Regarding Transfer of Examination Fee," please fill out the necessary information in the designated transfer form (attached) and make a transfer. In addition, at the time of application, please submit the "Examination Fee Transfer Confirmation Sheet" with the receipt of money transfer (including the handling fee). The examination application fee is non-refundable. ¥30,000
6	Certificate of Alien Registration	For those currently living in Japan, please submit your Certificate of Alien Registration (residence status and length of stay are clearly indicated) that is produced by the head of your local municipality.
7	Copy of passport	For those applying from abroad, please submit a copy of your passport.

5 Examination Dates, Subjects, and Locations

Section	Test Date	Examination Subjects	Time	Location
First Term Examination	Sep. 7th, 2012 (Fri.)	Major subjects Written or oral examination	1st Choice 9:00 - 10:30 2nd Choice 10:40 - 12:10	Sapporo Medical University
		Foreign language	English 13:00 - 15:00	Sapporo Medical University South Wing Education Building, Auditorium
Second Term Examination	Feb. 8th, 2013 (Fri.)	Major subjects Written or oral examination	1st Choice 9:00 - 10:30 2nd Choice 10:40 - 12:10	Sapporo Medical University
		Foreign language	English 13:00 - 15:00	Sapporo Medical University South Wing Education Building, Auditorium

The totality of the examination, transcript, and other submitted documents determines the successful candidates.

Note: Regarding the examination for foreign language, general applicants will be assigned to English I and English II. Foreign student applicants will be assigned to English I and Japanese or English I and English II.

※ Applicants, please assemble at Sapporo Medical University School of Medicine East Gate by 8:45 AM on the day of the examination. After the lunch break, please assemble at the abovementioned examination location by 12:45 PM.

6 Announcement of Successful Candidates

First Term Examination : Sep. 28th, 2012 (Fri.)

Second Term Examination: Mar. 1st, 2013 (Fri.)

In addition to being posted at the east entrance of the University at 10 AM, the candidate will also be notified.

7 Enrollment Procedures (Details will be provided again after the announcement of passing the examination.)

(1) Registration period

For both the first and second term examination: DD March, 2013 () until DD March, 2013 ()

9 AM to 5 PM. Weekends and Japanese national holidays excluded.
(If sending by mail, use registered post, write "Graduate School of Medicine, Enrollment Forms Enclosed" on the envelope front, and ensure arrival within the registration period.

(2) Enrollment Documents

Abstract of family register	One copy obtained within 3 months prior to enrollment.
Covenant	Having the signature of joint guarantor using the designated form (joint guarantor is parent or other who will pay tuition).
Entrance fees	¥282,800 (Entrance fees are subject to change). Please make a transfer after indicating necessary information on the designated transfer form. The entrance fee is non-refundable.
Bank transfer request form	Regarding debit authorization for tuition fees (Hokuyo Bank or Hokkaido Bank), please submit the form, designated by the bank, after indicating necessary information.

8 Tuition Fees

In fiscal year 2013, fees are ¥535,800 per year (Tuition fees are subject to change).

An amount equal to one-half of the annual fee to be paid in two phases. First semester in April and second semester in October.

In addition, if tuition fees are revised while you are in school, the tuition fees after revision will be applied.

9 Orientation for Each Division

Sapporo Medical University Graduate School of Medicine performs separate orientations in each division in order for our applicants to deepen understanding of their desired fields.

Research details regarding each division are described in the Application Guide for Admission; however, the university wishes that applicants strengthen their desire by directly visiting each laboratory in order to experience the atmosphere.

In line with this, if you desire an orientation to each division, please submit the "Request Form for Orientation" to the address below before the deadline after indicating necessary information. You will be contacted with more details.

10 Submission of Documents and Contact Information

Please contact the Academic Affairs Graduate School Chief Administrator regarding submission of application forms and enrollment forms, Application Guide for Admission, and inquiries related to the Graduate School.

〒	060-8556	S1 W17, Chuo-ku, Sapporo
Sapporo Medical University, Division of Student Affairs and Research, Project Chief for Graduate School (University East Wing Building, 1st Floor)		
Telephone	(011) 611-2111	x 2177
Fax	(011) 611-2219	

Overview of Sapporo Medical University Graduate School of Medicine

Sapporo Medical University Graduate School of Medicine offers a 4-year Doctoral program in accordance with the school's mission to promote independent research activities in specialized fields and to provide the high-level research ability and knowledge base required by scholars to engage in other highly specialized professions.

Organization and Divisions of Study

[Program of Community Health and Comprehensive Medicine]

Division	Subject	Academic Advisor	Main Areas of Research
Community and Comprehensive Medicine	Clinical Epidemiology	Professor Wari Yamamoto	1 Analysis of elements leading to bias and accidents 2 Quantitative evaluation of diagnosis, risk and prognosis, treatment, harm, and prevention 3 Analysis of clinical decisions 4 Meta-analysis and analysis of clinical economics
	Environmental Health and Preventive Medicine	Professor Nobumichi Kobayashi	1 Molecular epidemiology of diarrheal viruses 2 Mechanism of mutation of viral genes 3 Time series analysis of infectious epidemics 4 Molecular epidemiology of pathogenic bacteria in nosocomial infections 5 Molecular genetics of drug-resistant genes in pathogenic bacteria
	Community Medicine and Health Sciences	Professor Mitsuru Mori	1 Study of molecular epidemiology related to interaction of host and environmental factors for cancer prevention 2 Preventive medicine and epidemiological studies in cardiovascular diseases, specified diseases, and other diseases 3 Preventive medicine and epidemiological studies in new occupational diseases 4 Studies on improvement of community healthcare and welfare for the elderly 5 Preventive medicine for psychiatric symptoms such as depression 6 Study of health promotion intervention for the elderly by increasing the amount of physical activity
	Health Behavioral Science	Associate Professor Goichi Tanaka	1 Psychophysiology of the cardiovascular system 2 Non-invasive measurement of hemodynamics 3 Evaluation methods of cardiovascular health 4 Investigation of acute stress reaction by the hypothesis of blood pressure reactivity 5 A psycho-neuro-endocrino-immunological approach to chronic stress 6 Structural and psychosocial factors affecting health 7 Intervention of stress management and health education
Human Comprehensive Medicine	Rehabilitation Medicine	Professor Sumio Ishiai	1 Research on the mechanisms of higher brain dysfunction and rehabilitation 2 Neural mechanisms involved in behavior, actions, and conduct 3 Treatment of motor impairment and three-dimensional motion analysis 4 Clinical approaches to chronic pain 5 Prediction of the onset of dysphagia and development of a new evaluation method 6 Studies on conduct disorder in patients with dementia
	Legal Medicine/Alcohol Medicine	Professor Hiroshi Matsumoto	1 Mechanism of intracellular signal transduction in drug and alcohol abuse 2 Mechanisms of onset and development of alcoholic and non-alcoholic organ dysfunction 3 Discovery and application of biological markers for alcohol consumption. 4 Pharmacokinetics of alcohol 5 Molecular mechanisms of sudden death and development of diagnostic methods 6 Postmortem diagnosis for cause of death by 3D-CT image
	Pharmaceutical Health Care and Sciences	Professor Atsushi Miyamoto	1 Risk factors for drug-induced long QT syndrome 2 Polymorphism analysis of genes involved in pharmacokinetics 3 Signal transduction abnormalities in aging and aging-related diseases

Division	Subject	Academic Advisor	Main Areas of Research
Human Comprehensive Medicine	Medical Anthropology	(Selection in progress)	1 Medical philosophy 2 Bioethics 3 History of medical ideas 4 Theory of medical education
	Radiation Protection Science	Professor Jun Takada	1 Nuclear protective studies 2 Global nuclear hazard and dosimetry 3 Protective methods against acute radiation injuries 4 Post-injury risk prediction and prevention 5 Radiation dose assessment 6 Radiation emergency medicine 7 Physics of radiation medicine
	Intellectual Property in Medicine	Professor Masaho Ishino	1 Research on effective protection and utilization of medical technology by the patent system a) Protection of biological materials in regenerative medicine b) Protection of surgery and treatment methods c) Effective protection of innovative technologies 2 Construction of industry-academia collaboration system in the field of medical research 3 Construction of infrastructure for efficient implementation of technological innovations in medicine
Development and Differentiation/ Anti-Aging Medicine	Gastroenterology-fuction and Molecular Regulation	Professor Yasuhisa Shinomura	1 Construction of new personalized-medicine for digestive diseases using the latest genetic information 2 Genetic diagnosis and treatment of gastrointestinal cancer in the 21st century 3 Development of new molecular-targeted cancer therapy 4 Cancer growth factor receptors and intracellular signal transduction systems 5 Origin and development of autoimmune diseases 6 Development of new treatments for autoimmune diseases
	Respiratory Medicine	Professor Hiroki Takahashi	1 Imaging analysis of respiratory disorders 2 Diagnosis and treatment of small lung cancer 3 Molecular biology of growth, invasion, and metastasis of lung cancer 4 Analysis of protein molecules involved in lung natural immunity 5 Diagnosis and pathological analysis of idiopathic interstitial pneumonia and emphysema 6 Inflammatory mediators and pathology of bronchial asthma 7 Lung disease and environmental factors, particularly acidic fog and hypersensitive pneumonitis 8 Diagnosis and pathological analysis of respiratory infections, particularly community-acquired pneumonia
	Developmental and Regenerative Medicine	Professor Toshihiro Mitaka	1 Research on the mechanism of proliferation and maturation of hepatic stem/progenitor cells 2 Functional analysis of small hepatocyte-specific genes and proteins 3 Trial treatment of liver disease and liver cell replacement via hepatic stem/progenitor cell transplantation 4 In vitro liver tissue formation using fetal and adult hepatic stem/progenitor cells 5 Role of the extracellular matrix in liver tissue formation 6 Analysis of molecular mechanisms that control the formation of liver tissue structures including bile ducts
	Neural Regenerative Medicine	Professor Osamu Honmou	1 Proliferation and differentiation of stem cells 2 Regulation of stem cell differentiation 3 Plasticity and regeneration of damaged brain and spinal cord 4 Fundamental studies in stem-cell regenerative therapy 5 Clinical studies in various central nervous system diseases 6 Novel methods to evaluate the efficacy of cell therapy 7 Infrastructure for the promotion of regenerative medicine 8 Establishment of a system for supply of clinical-grade stem cells

Division	Subject	Academic Advisor	Main Areas of Research
Development and Differentiation/ Anti-Aging Medicine	Developmental Pediatrics	Professor Hiroyuki Tsutsumi	1 Pathology of RS virus infection 2 Epidemiology and pathology of viral gastroenteritis 3 Pathological diversity and mechanism of parvovirus B19 infection 4 Mechanism for adverse reactions in vaccinations 5 Usability of umbilical cord blood cells in the treatment of refractory leukemia 6 Pathology and diagnosis of GVHD in blood stem cell transplant 7 Intervention treatments for cardiac diseases 8 Non-drug therapy for intractable epilepsy
	Cardiovascular and Renal Pathophysiology	Associate Professor Kazufumi Tsuchihashi	1 Clinical and basic studies on causes and pathology of high blood pressure 2 Clinical and basic studies on genesis of renal disease and water/electrolyte metabolism 3 Clinical and basic studies on the origin and pathology of diabetes mellitus 4 Clinical studies on metabolic syndrome and obesity 5 Clinical studies on diagnosis and treatment of arrhythmia, ischemic heart disease, and myocardial diseases
	Cardiovascular Cell Metabolism and Pathology	Professor Tetsuji Miura	1 Basic study on pathology and novel treatment in ischemic heart disease and heart failure 2 Analysis of the effects of aging and metabolic diseases on the function of myocardial cells 3 Clinical and basic studies on developmental and background factors of lifestyle-related diseases
Biological Defense Medicine	Infection Control Medicine	Professor Nobuhiro Fujii	1 Pathogenesis factors produced by pathogenic microorganisms (bacteria and viruses) 2 Persistent viral infection and the interferon/cytokine signaling pathway 3 Functional analysis of the prion gene promoter 4 Cell differentiation and cytokine system 5 Intractable diseases and endogenous viruses 6 Bacterial molecular epidemiology and drug-resistance
	Critical Care Medicine	Professor Michiaki Yamakage	1 Mechanisms of sepsis 2 Pharmacology of sepsis 3 Respiratory pathophysiology and respiratory management 4 Circulation physiology and cardiovascular functions 5 Biological function control and intensive care medicine 6 Resuscitation science 7 Study of pain
	Molecular Immunology	Associate Professor Toshihiko Torigoe	1 Lymphocyte antigen function and molecular immunology, with particular regard to T-cell differentiation and molecular mechanisms of activation 2 Immunogenetics and genetic diagnosis 3 Lymphocyte signal transduction mechanisms and apoptosis 4 Function of molecular chaperones and immune response 5 Mechanisms of heat shock proteins and immune activation
	Medical Crisis Management	Professor Koichi Hirata	1 Cardiopulmonary-cerebral resuscitation using PCPS 2 Clinical and experimental studies on brain hypothermia therapy 3 Immune response during highly invasive surgery or injury 4 Pathophysiology of multiple trauma and severe burns 5 Pathophysiology and treatment of sepsis 6 Pathophysiology and treatment of acute lung injury 7 Pathophysiology and treatment of multiple organ failure 8 Study of disaster medicine

[Program of Molecular and Organ Regulation]

Division	Subject	Academic Advisor	Main Areas of Research
Clinical Oncology	Cancer Pharmacotherapeutics	Professor Junji Kato	1 Clinical trials of new cancer pharmacotherapeutics 2 New prognosis evaluation method for malignant tumors (cohort study) 3 Studies on adverse drug reactions of anticancer drugs and remedies 4 Development of new molecular targeting cancer therapies 5 Analysis of mechanisms of and overcoming drug resistance
	Applied Tumor Regulation	Associate Professor Tadao Ishida	1 Genetic diagnosis of cancer a) Aberrant methylation of cancer cells and prognosis b) Understanding etiology with DNA arrays and pyrosequencing c) Diagnosis using monoclonal antibody 2 Development of new cancer treatments a) Development of new therapies based on aberrant methylation in cancer cells b) Application of monoclonal antibody for therapy c) Participation in clinical research (phases 2, 3).
	Radiation Oncology, Biology, and Physics	Professor Masamitsu Hatakenaka	1 Physics of medical radiation 2 High-precision radiotherapy 3 Quality control in radiotherapy 4 Image-guided radiotherapy 5 Image-guided brachytherapy
	Study of Palliative Care	Associate Professor Masanori Yamauchi	1 Fundamental neuroscientific investigation of cancer pain 2 Clinical pharmacology of opioids 3 Psycho-oncology 4 Community intervention study of palliative care program 5 Team approaches for providing effective palliative care
	Surgical Oncology and Gastrointestinal Surgery	Professor Koichi Hirata	1 Gene therapy and stem cell manipulation for cancer/organ-failure treatment 2 Development of minimally invasive surgical methods for improving quality of life of patients with cancer of the mammary glands, liver, gallbladder, pancreas, and stomach, which escape the stereotype 3 Cell/organ transplant 4 Expansion of the application of laparoscopic surgery (liver, pancreas, rectum) 5 Proteomics and DNA array analysis related to the mechanism of cancer metastasis and cancer characteristics 6 Long-term cultures of normal epithelial cells (liver and pancreas) for artificial organs and cell transplants 7 Clinical cancer-specific immunotherapy and cancer vaccine therapy 8 Development of functional evaluation methods for new transplanted organs (liver, pancreas)

Division	Subject Group	Academic Advisor	Main Areas of Research
Genomic Medicine	Medical Genomics	Professor Takashi Tokino	1 Molecular and genetic analysis of malignant tumor pathogenesis 2 p53 tumor suppressor gene research 3 Molecular analysis of cell cycle in cancer cells 4 Human genome analysis and genetic diagnosis of cancer for development of personalized treatment
	Molecular Medicine and Gene Therapy	(Selection in progress)	1 Development of basic technologies for targeted therapy 2 Development of targeted cancer therapies (gene therapy, immunotoxin) 3 Development of targeted therapies for intractable diseases a) Tumor angiogenesis, vascular lesions, and suppression of inflammatory response b) Induction of specific immune tolerance c) Fundamental biology of stem cells and application to targeted therapies
	Molecular Cell Biology	Professor Koichi Yoshida	1 Studies on gene transcriptional regulation and developmental mechanisms of sarcoma 2 Studies on ecology, classification, and evolution of nematode strains 3 Molecular mechanisms for T cell activation using the live cell imaging techniques
Molecular Oncology	Molecular Tumor Science	(Selection in progress)	1 Measuring the activity of axon guidance molecules 2 Axon guidance molecule expression analysis 3 Functional analysis of in vivo axon guidance molecules 4 Functional analysis of the process of nerve regeneration of axon guidance molecules 5 Analysis of the signaling mechanism of axon guidance molecules
	Tumor Pathology	Professor Tadashi Hasegawa	1 Genetic abnormalities involved in tumor morphogenesis and malignancy 2 Marker study of immunohistochemical staining for effective pathological diagnosis 3 Introduction and development of novel molecular pathological diagnostics 4 Histological malignancy grades of bone and soft tissue tumors and discovery of prognostic factors 5 Analysis of specific genetic abnormalities for treatment target molecules of malignant tumors
	Cutaneous Tumor Medicine	Professor Toshiharu Yamashita	1 Biological and biochemical analysis of melanin synthesis 2 Analysis of melanoma-specific gene expression and signal transduction 3 Establishment of biochemical method and molecular targeted therapy for skin cancer 4 Molecular biological analysis of wound healing process 5 Genetic diagnosis of UV-induced carcinogenesis and xeroderma pigmentosum
	Tumor Immunology	Professor Noriyuki Sato	1 Cancer-specific immune system and cancer vaccine development 2 Lymphocyte antigens and function 3 Molecular pathology of function of chaperones represented by heat shock proteins 4 Antigen processing, presentation, and molecular chaperones 5 Immune tolerance and immunogenetics 6 Signal transduction and apoptosis 7 Analysis and diagnosis of parasitic diseases
	Molecular Hematology/Oncology	Associate Professor Masayoshi Kobune	1 Blood disorders and molecular biological analysis of regulatory mechanisms of cancer cell differentiation and proliferation 2 Tumor formation and mechanism of drug resistance of blood/ tumor stem cells and stromal cells 3 Induction factors and intracellular molecular mechanisms involved in blood/tumor cell movement 4 The molecular mechanisms controlling transplantation immunity and tumor immunity 5 Investigation of gene mutations and oncogenesis by cell cycle and DNA-repair mechanism collapse

Division	Subject	Academic Advisor	Main Areas of Research
Treatment of Organ Function	Advanced Surgical Science	Associate Professor Tomohisa Furuhashi	1 Minimally invasive and function sparing surgery 2 Genetic information-based surgical systems 3 Telesurgery systems 4 Organ regeneration and organ replacement
	Radiology	Professor Masamitsu Hatakenaka	1 Prediction of treatment response 2 CT examination with low radiation dose 3 Fusion imaging 4 Nuclear medicine and molecular imaging 5 Stent development in Interventional Radiology (IR)
	Thoracic and Cardiovascular Surgery	Professor Tetsuya Higami	1 Mechanism of transplantation immune response, organ transplant rejection, and preservation of allograft valves 2 Myocardial protection during open-heart surgery and preservation methods of heart for heart transplant 3 Pathogenesis and countermeasures for organ damage in ischemia-reperfusion 4 Brain and spinal cord protection during surgery for aortic aneurysm 5 Circulation assistance in severe heart failure 6 Minimally invasive thoracoscopic surgery in respiratory disease 7 Minimally invasive methods for cardiac/ major vascular disease 8 Angiogenic gene therapy for cardiovascular diseases 9 Proteomics and DNA analysis of lung cancer
	Orthopaedics	Professor Toshihiko Yamashita	1 Mechanisms of pain development and countermeasures 2 Immunology and molecular biology of bone and soft tissue tumors 3 Biomechanics of ligaments and tendons 4 Bone metabolism 5 Ion channels of nerve cells 6 Bone and joint degeneration 7 Sensory nerve physiology of the joints and vertebrae 8 Proteomic analysis of motor system diseases 9 Sports medicine
	Renal, Urinary Tract and Reproductive Medicine	Professor Taiji Tsukamoto	1 Genitourinary oncology, medical oncology, and tumor immunology 2 Minimally invasive/function-sparing surgeries for malignant tumors in urology 3 Epidemiology, developmental mechanism, and treatment of prostatic hypertrophy 4 Epidemiology, developmental mechanism, and treatment of the urinary tract and genital infections, particularly mucosal immunology of the urinary tract 5 Immunosuppressive therapy, organ protection, and mechanisms of rejection in renal transplants/transplant immunology 6 Fundamental and clinical studies of gender identity disorder 7 Cause and treatment of sexual dysfunction and male infertility
	Functional Stomatology and Oral Surgery	Professor Hiroyoshi Hiratsuka	1 Post-operative functional recovery from stomatognathic diseases 2 Immunological analysis and treatment 3 Genetic analysis and therapy 4 Expression of cellular adhesion factors and gene abnormalities 5 Pathology of jaw deformity and application of surgical corrective treatment
	Body Surface and Morphological Restorative Medicine	Professor Takatoshi Yotsuyanagi	1 Three-dimensional facial reconstruction 2 Body surface tissue restoration 3 Engraftment of transplanted tissue 4 Gene abnormalities and expression of adhesion molecules in the wound healing process 5 Transplantation immunity in burn injuries
	Gynecology and Endocrine Therapeutics	Professor Tsuyoshi Saito	1 Cell/tissue morphology and metastatic potential in gynecological cancer 2 Proliferation and metastatic potential, and endocrine problems in gynecological cancer 3 Supportive care to improve treatment results for ovarian cancer 4 Prognostic factors in ovarian cancer 5 Carcinogenesis, cell adhesion, and malignancy in gynecological cancer 6 Developmental mechanisms of acquired resistance in ovarian cancer chemotherapy

[Program of Signal Transduction Medicine]

Division	Subject	Academic Advisor	Areas of Main Research
Neuroscience diameter	Physiology of brain and nerve	Professor Takashi Nagamine	1 Investigation of higher brain functions with non-invasive techniques 2 Motor control mechanisms of the central nervous system 3 Neural mechanisms of learning 4 Mechanism of hippocampal synaptic transmission 5 Regulation of Cerebral hemodynamics by small diameter cerebral arteries
	Neuropharmacology	Professor Yoshiyuki Horio	1 Scientific analysis of aging 2 Function and significance of intracellular calcium ions
	Pathophysiology of Neuromuscular Diseases	Professor Shun Shimohama	1 Pathological investigation of Alzheimer's disease and development of novel diagnostic methods and therapies 2 Molecular pathogenesis of neurodegenerative diseases, and mechanisms and treatment of respiratory disorders and dysphagia 3 Pathological investigation and treatment of immune-mediated neurological diseases 4 Neurophysiological research of neurological diseases 5 Development of clinical practice and medical system for cerebrovascular diseases
	Neuropathology	Professor Toshikazu Saito	1 Repair/regeneration mechanism of neural network using neural stem-cell in mental illness (alcoholism, mood disorders, schizophrenia, dementia) 2 Molecular biological studies on fundamental pathology and development of new therapies (novel treatment drugs, neural stem cell transplantation) for mental illness 3 Neuropsychological study of human higher cognitive function, particularly visuospatial information processing and visual working memory 4 Social psychiatry research related to mental health
	Neurosurgery	Professor Nobuhiro Mikuni	1 Clinical research for brain function-sparing surgery (neuroimaging analysis, navigation surgery, awake surgery, brain function mapping, and monitoring) 2 Pathological investigation and treatment of cerebral ischemia 3 Study of spinal surgery 4 Study of skull base surgery 5 Regenerative medicine (brain tumor stem cell research) 6 Pathological investigation and treatment of functional disease (epilepsy)
	Ophthalmology and Visual Sciences	Professor Hiroshi Ooguro	1 Molecular pathogenesis and treatment of retinal degenerative disease 2 Molecular pathogenesis and treatment of glaucoma 3 Clinical pathophysiology of strabismus 4 MR spectroscopy of pars orbitalis tumors 5 Molecular pathogenesis of diabetic retinopathy
	Otolaryngology/ Head and Neck Surgery	Professor Tetsuo Himi	1 Pathogenesis of nasal allergies 2 Upper respiratory tract mucosal immunity 3 Immunological study of otitis media 4 Neurological study of hearing impairment 5 Immunological study of head and neck malignancies 6 Study of disordered breathing in sleep

Division	Subject	Academic Advisor	Main Areas of Research
Biological Function and Regulation	Cellular Physiology and Signal Transduction	Professor Noritsugu Tohse	1 Structure/function relationship of ion channels 2 Ion channel dysfunction in diabetes mellitus 3 The role of ion channels in physiological function 4 Changes in calcium kinetics of cardiac myocytes in development
	Molecular Medicinal Biochemistry	Professor Yoshio Kuroki	1 Molecular mechanisms of development of physiological function: involvement of protein molecular structure and gene regulation 2 Biological defense: molecular mechanisms and natural immunity 3 Control mechanisms of lipid metabolism 4 Pathological biochemistry 5 Function analysis of carbohydrate chains in growth factor receptors
	Applied Molecular Biology	(Selection in progress)	1 The role of epigenetic abnormality in oncogenesis 2 The role of DNA methylation in cancer signal transduction mechanisms 3 Development of novel epigenome analytical method 4 Epigenome analysis of cancer stem-cells 5 Functional RNA in cancer
	Molecular Analysis	Professor Hitoshi Sohma	1 Identification and biological analysis of protein biomarkers. 2 Relationship between protein conformation and pathophysiological function 3 Molecular pathology
	Clinical Pathology	Professor Naoki Watanabe	1 Development of cancer diagnostic method based on molecular function analysis 2 Infection genotyping and application to nosocomial infection control 3 Development of new blood transfusion testing methods 4 Development of high-sensitivity detection methods for trace substances in the body 5 Study of the body's stress-response mechanism 6 Development of cardiac function evaluation method using three-dimensional echocardiography

Division	Subject	Academic Advisor	Main Areas of Research
Biological Structure and Signal Transduction	Molecular and Cellular Pathology	Professor Norimasa Sawada	<ul style="list-style-type: none"> 1 Molecular pathology of tight junctions 2 Inflammation and tight junctions 3 Formation of cell polarity 4 Analysis of mucosal barrier 5 Development of disease models using genetically modified animals 6 Viral infection and tight junctions 7 Cancer and tight junctions
	Biological Informatics and Anatomy	Professor Haruyuki Tatsumi	<ul style="list-style-type: none"> 1 Ultrastructural and three-dimensional analysis of the digestive tract 2 Development and application of “drug informatics” by collecting biometric information 3 Development and application of an internet-based integrated three-dimensional reconstruction system 4 Analysis of properties of nerve cells using nerve cell culture 5 Development and construction of an integrated multimedia information system for general medicine based on information regarding anatomy and morphology (http://www.sapmed.ac.jp/anat/) 6 Analysis of neural network construction mechanisms using selective nerve labeling techniques and ultrastructural analysis
	Functional Morphology and Anatomy	Professor Mineko Fujimiya	<ul style="list-style-type: none"> 1 Stem cell research for regenerative medicine and degenerative diseases 2 Brain-gut interactions 3 Bio-anthropological research of skeletal specimens 4 Biomechanics 5 Bone marrow stem-cell research for repair/regeneration of the intestinal mucosa 6 Relationship between biological reactions of psychological stress induction and bone marrow-derived cells
	Molecular Pathology and Informatics	Professor Yasuo Kokai	<ul style="list-style-type: none"> 1 Discovery of disease diagnosis and treatment markers using proteomics 2 Development of a sensitivity detection system for cancer treatment 3 Development of a sensitivity detection system for molecular targeted therapy 4 Development of disease models using transgenic mice 5 Serodiagnosis and pathological analysis of Alzheimer’s disease

Year
Sapporo Medical University Graduate School of Medicine: Medical Sciences (Master Course)

Application Form

※Receipt Number	Number	※Date of Receipt	Month	Day	
I am sending this form along with the designated forms because I intend to enroll in the Graduate School of Medicine at your university.					
Date		Year	Month	Day	
				(Furigana)	
To the Dean of Sapporo Medical University Graduate School of Medicine			Applicant Name & Signature		
			Seal		
			Date of Birth		
		Year	Month	Day	
		Male/Female			
Application Type	1. General		2. Graduate with work experience.		
			3. Passed application eligibility evaluation.		
Desired Area of Study	1st Choice	Field	2nd Choice	Field	
Applicant's Qualifications	University		Department	Course of study	
	Junior College (Department)		Major		
	Year		Month	Day	
			Graduated		
			Anticipated Graduation Date		
	Year		Month	Day	
			Completed		
			Anticipated Completion Date		
Applicant's Qualifications Other than Above	(Please enter the name of your most recent school and date of graduation).				
Permanent Residence		Prefecture			
Current Address		〒 () —			
		Postal Code			
Contact Address	Applicant	Preferred Contact Address	〒 () —		
			Postal Code		
	Parent/Guardian	Current Address	〒 () —		
			Postal Code		
	(Furigana) Full Name	Relation to Applicant			
Academic History	YYYY - MM	High School Graduation			
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Employment History	.				
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Note: Make indications in the relevant columns and circle your selections clearly. ※ Official use only.

Year

Sapporo Medical University Graduate School of Medicine (Master Course)

Examination Admission Card		
Examinee Number	※	
(Furigana) Full Name		
Desired Area of Study	1st Choice	
	2nd Choice	
<p><Examination Schedule> (1st) Sep. 7th, 2012 (Fri.) , (2nd) Feb. 8th, 2013 (Fri.) 10:00 - 11:30 Foreign Language, English I, II 13:00 - 13:30 Desired Subject (1st Choice) 13:40 - 14:10 Desired Subject (2nd Choice) Dictionaries allowed, electronic dictionary not permitted. Make sure to bring your Examination Admission Card. Confirm the notice regarding the examination indicated at the back of the card. <Foreign Language Examination Location> Sapporo Medical University, Fundamental Research Building, 5th Floor, Shared Conference Room S1 W17 Chuo-ku, Sapporo Tel: 011-611-2111 x 2117</p>		<p>Attach Photograph 4-cm Height x 3-cm Width</p>

Year

Sapporo Medical University Graduate School of Medicine (Master Course)

Photograph		
Examinee Number	※	
(Furigana) Full Name		
Desired Area of Study	1st Choice	
	2nd Choice	
<p><Attach Photograph> 4-cm Height x 3-cm Width</p>		

※ Official use only

For those with only 1 desired area of study, mention only the 1st choice.

Year
 Sapporo Medical University Graduate School of Medicine (Master Course)
Application Eligibility Evaluation Application Form

Year Month Day

To the Dean of Sapporo Medical University Graduate School of Medicine

(Furigana)

Applicant Name and Signature

Seal

Date of Birth Year Month Day Male/Female

I am sending this form along with the designated forms to apply for the Application Eligibility Evaluation for the Graduate School of Medicine (Master Course) at your university.

Desired Area of Study	1st Choice								Field
	2nd Choice								Field
Academic History (After Graduation from High School)	School University							Department/Course	
	Date of Entry Year Month Day							Date of Graduation Year Month Day	
	School University							Department/ Course	
	Date of Entry Year Month Day							Date of Graduation Year Month Day	
	School University							Department/Course	
	Date of Entry Year Month Day							Date of Graduation Year Month Day	
Certifications	Year Month Day								
	Year Month Day								
Research Experience	Period (YYYY-MM to YYYY-MM)					Experience after Graduation from Last Educational Institution			
	From	to							
	From	to							
	From	to							
	From	to							
	From	to							
	From	to							
Current Address	〒							☎ () —	
	Postal code							Telephone	
Mailing Address	〒							☎ () —	
	Postal code							Telephone	

Year
Sapporo Medical University Graduate School of Medicine (Doctor Course)

Application Form

※Receipt Number	Number	※Date of receipt	Month	Day								
I am sending this form along with the designated forms because I intend to enroll in the Graduate School of Medicine at your university.												
Date Year Month Day												
To the Dean of Sapporo Medical University Graduate School of Medicine												
(Furigana) Applicant Name and Signature								Seal				
Date of Birth Year Month Day Male/Female												
Application Type		1. General		2. Graduate with work experience.			3. Passed application eligibility evaluation.					
Desired Area of Study		1st Choice		Division			Area					
				(Subject: _____)								
		2nd Choice		Division			Area					
				(Subject: _____)								
Applicant's Qualifications	Medical School		_____ University School of Medicine				Year	Month	Day	Graduated Anticipated Graduation Date		
	Other than Medical School		_____ University		_____ Faculty		_____ Major		Year	Month	Day	Graduated Anticipated Graduation Date
			_____ Graduate School		_____ Discipline		_____ Subject		Year	Month	Day	Graduated Anticipated Completion Date
Applicant's Qualification Other than Above		(Please enter the name of your most recent school and date of graduation.)										
Status of Medical (Dental) Licensure			Medical Licence			Dental Licence Registration No.						
Permanent Residence			Year Month Day							Prefecture		
Current Address			〒 _____ Postal Code			Telephone ☎ () —						
Contact Address	Applicant		〒 _____ Postal Code			Telephone ☎ () —						
	Parent/Guardian		〒 _____ Postal Code			Telephone ☎ () —						
	(Furigana) Full Name							Relation to Applicant				

Note: Make indications in the relevant columns and circle your selections clearly. ※ Official use only.

Curriculum Vitae

	Year	Month	Day	Item
Experience	.	.		
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	Awards and Demerits	.	.	
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The abovementioned information is true and accurate to the best of my knowledge.				
Year Month Day				Full Name and Signature
				Seal

Note:
Please

Further, foreign applicants should include all history since entering elementary school.

Year

Sapporo Medical University Graduate School of Medicine Entrance Examination
(Doctoral Course)

Examination Admission Card		
Examinee Number	※	
(Furigana) Full Name		
Desired Area of Study	1st Choice	Division Area Subject
	2nd Choice	Division Area Subject
<p><Examination Schedule> (1st) Sep. 7th, 2012 (Fri.) , (2nd) Feb. 8th, 2013 (Fri.) 09:00 - 10:30 Desired Subject (1st Choice) 10:40 - 12:10 Desired Subject (2nd Choice) 13:00 - 15:00 Foreign Language, English I, II Dictionaries allowed, electronic dictionary not permitted. Make sure to bring your Examination Admission Card. Confirm the notice regarding the examination indicated on the back of the card. <Foreign Language Examination Location> Sapporo Medical University, South Wing Building, Auditorium S1 W17 Chuo-ku, Sapporo Tel: 011-611-2111 x 2117</p>		Attach Photograph 4-cm Height x 3-cm Width

Year

Sapporo Medical University Graduate School of Medicine Entrance Examination
(Doctoral Course)

Photograph		
Examinee Number	※	
(Furigana) Full Name		
Desired Area of Study	1st Choice	Division Area Subject
	2nd Choice	Division Area Subject
<p><Attach Photograph> 4-cm Height x 3-cm Width</p>		

※ Official use only

For those with only 1 desired area of study, fill out only the 1st choice.

Please circle one.
(First Term Examination/Second Term Examination)

Year

Sapporo Medical University Graduate School of Medicine (Doctoral Course)

Application Eligibility Evaluation Application Form

Year Month Day

To the Dean of Sapporo Medical University Graduate School of Medicine

(Furigana)

Applicant Name and Signature

Seal

Date of Birth Year Month Day Male/Female

I am sending this form along with the designated forms to apply for Application Eligibility Evaluation for the Graduate School of Medicine Doctoral Program at your university.

Desired Division and Subject	1st Choice	Division						Area
		(Subject:)						
	2nd Choice	Division						Area
		(Subject:)						
Academic History (After Graduation from High School)	School			Department				
	University			Department				
	Date of Entry	Year	Month	Day	Date of Graduation	Year	Month Day	
	School			Department				
	University			Department				
	Date of Entry	Year	Month	Day	Date of Graduation	Year	Month Day	
Certifications	Year			Month			Day	
	Year			Month			Day	
	Period (YYYY-MM to YYYY-MM)				Experience After Graduation from Last Educational Institution			
	From		to					
	From		to					
	From		to					
From		to						
From		to						
From		to						
Current Address	〒						☎ () —	
	Postal code						Telephone	
Mailing Address	〒						☎ () —	
	Postal code						Telephone	

Statement of Intent

Sapporo Medical University Graduate School of Medicine
(Master and Doctoral Course)

Full Name	
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Note: You may write directly on this form or format according to the layout of an A4-sized paper on a computer.

Research Plan

Full Name		Sapporo Medical University Graduate School of Medicine
Research Topic		
Summary of Research Plan		

Note: You may write directly on this form or format according to the layout of an A4-sized paper on a computer.

History of Research Activities

Full Name		Sapporo Medical University Graduate School of Medicine	
Year	Month	Item	

Note 1: Regarding activities at professional and society meetings (including various organizations and committee memberships), indicate in chronological order the names of organizations, titles, details of activities (including research publications), and duration of activities.

Note 2: You may write directly on this form or format according to the layout of an A4-sized paper on a computer.

Examination Permission Form

Full Name

Date of Birth

Year

Month

Day

To the Dean of Sapporo Medical University Graduate School of Medicine

I permit the above named person to attempt the entrance examination for Sapporo Medical University Graduate School of Medicine (Master Course / Doctoral Course) for the fiscal year of YYYY.

Year

Month

Day

Location

Institution Name

Supervisor (Name and Position)

Signature/Seal

Please circle one.
(First Term Examination / Second Term Examination)

Request Form for Orientation(Doctoral Course)

Furigana Full Name	
Address	
Telephone Number	
Name of Institution with which You are Currently Affiliated	
Subjects for which You Desire Orientation (up to 2)	
1st Choice	_____
2nd Choice	_____

Regarding Transfer of Examination Fee

Transfer Method

- 1 After mentioning the necessary information on the transfer form attached to the Application Guide for Admission, please transfer the examination fee of ¥30,000 from your local post office prior to applying.
- 2 Please complete your part of the transfer forms (payment form, transfer invoice/receipt, and certificate of payment) accurately using a black pen.
- 3 After completing the bank transfer, attach the certificate of payment to the Examination Fee Transfer Confirmation Sheet to the right, and submit with your application form (those without postal acceptance stamp will not be accepted).

Attention

- 1 Please note that if submitting the application at the university office, regular postal money order or cash is not accepted.
- 2 Application documents will not be accepted if any of the following is missing: transfer of examination fee, attached certificate of payment, or postal acceptance stamp on the certificate.
- 3 Payment via internet banking or mobile is not available. We appreciate your understanding.

Sapporo Medical University Graduate School of Medicine

Examination Fee Transfer Confirmation Sheet

※Examinee Number	
Full Name	
Attach Certificate of Payment Here	

Note) ※ Official use only.