

《Admission Policy》

◇ Principle, Objective and Admission Policy of the Master's Course at Integrated Graduate School of Medicine, Engineering, and Agricultural Sciences

[Principle and Objective]

Working towards solution of problems that contemporary societies confront, we provide education and research training to foster capable researchers and professionals with high-grade expertise and competence who creatively promote academic studies from international standpoints.

[Educational Objective]

Objective is to train/educate individuals who can contribute to the society as technical engineers and researchers by acquiring the technical knowledge and development ability, problem finding/solving ability, and international communication ability.

[Admission Policy]

Individuals who possess basic scholastic ability on the expertise, have the will to acquire further knowledge, aim for higher research and application, and wish to return its result to the society are sought.

The Ideal Candidate for Biomedical Science and the Skills Required

To be the ideal candidate, one should be interested in medicine and life sciences, and should be ambitious about making a contribution as a researcher, technician, or practitioner in the field of basic, clinical, and social medicine. The candidate must also currently be working in life science research or clinical or public health organizations. He or she should exhibit ambition for on-site problem solving and have an academic background. Finally, the candidate should have excellent ethics and exhibit great capability in logical thinking and in pedagogical skills.

Basic Admission Policy for Biomedical Science

- The candidate should have an ambition for research in Biomedical Science.
- The candidate should have an ambition to improve logical thinking and pedagogical skills.
- The candidate should be interested in the ethical, legal, and social challenges related to Biomedical Science.

Application Guidelines

1. Capacity 10 (including Special Selection for Working Students)

2. Application Requirements

Applicants must meet at least one of the following requirements:

- (1) Be a graduate from a university as set out in the School Education Law, Article 83, or be expecting to graduate by March 2020.
- (2) Hold a Bachelor's degree in accordance with the School Education Law, Article 104 Clause 4, or be expecting to obtain the degree by March 2020.
- (3) Have completed 16 years of school education overseas or be expecting to do so by March 2020.
- (4) Have completed 16 years of curricula for graduation by taking the class subjects of an overseas school by its correspondence course in Japan, or be expected to do so by March 2020.
- (5) Have completed an applicable course in an educational institution in Japan which is recognized as one with the course of an overseas university by its country's school education system, and designated separately by the Minister of Education, Culture, Sports, Science and Technology, or be expected to complete the course by March 2020. (The applicant must be proven to have completed 16 years of school education in that country.)
- (6) Persons who have completed or are expected to complete a 3-year program or a program of more than 3 years (The program shall include a correspondence course which enables students to study in Japan by a university or school which is approved by the educational system of the country and satisfy the above requirements.) and have been awarded or are expected to be awarded a degree by an overseas university or school (The university or the school shall be evaluated by an organization approved by a relevant official institution in the country for their education and research activities or recognized as so by the Minister of Education, Culture, Sports, Science and Technology.) which is recognized as being equivalent to a bachelor's degree by March 2020.
- (7) Have been designated by the Ministry of Education, Culture, Sports, Science and Technology (Under the Notice of the Ministry of Education No. 5 issued on February 7, 1953.)
- (8) Have completed a specialist course separately designated by the Minister of Education, Culture, Sports, Science and Technology (hereafter called the Minister), after the day specified by the Minister, in a vocational school (only one that meets the standards specified by the Minister, such as a course term of a minimum of 4 years), or be expected to do so by March 2020.
- (9) Have attended a university for a minimum of 3 years by March 2020, or completed 15 years of school education overseas or be expected to do so by March 2020, and have been proven by our Graduate School to have acquired a designated number of credits with excellent results.
- (10) By individual examination of entrance requirements, have been proven by our Graduate School to have an equal or higher level of academic ability than those of a university graduate, and is at least 22 years of age at the time of enrollment.

Notes:

1. **Prior to applying, any required arrangements with the main Ph.D supervisor (academic advisor) of your preference should be made by the applicants.**
2. The applicants who apply under (6), please contact our Registrar Group (for Graduate School), Academic Affairs Division (phone:+81(0)55-273-9627) by **June 5th (Wednesday), 2019**.
3. For applicants who apply under the conditions of (9), (10) above, an examination of application requirements will be conducted in advance; therefore, please submit the documents for this examination to Admission Division by **June 12th (Wednesday), 2019**. (The documents must arrive by this date.)
Please download the documents to be submitted for use in the examination of application requirements from the University of Yamanashi website: <https://www.yamanashi.ac.jp/admission/45> (Admissions > Graduate School Entrance Examination > Applicant Requirements).
The results of the examination will be notified to the applicants on June 21th(Friday), 2019.
4. The applicants for Special Selection for Working Students are required to meet any of the above requirements, and must be engineers, educators, or researchers with the working experience of a minimum of 2 years (at the time of application) in certain medical, research, educational or administrative organization, or a company.

【Special measures for entrance examination】

If you need special consideration in the entrance exam or in the course study, for such as physical disability, please contact Admission Division (phone:+81(0)55-220-8046), by June 12th (Wednesday), 2019.

3. Application Procedure

Important: Non-Japanese Students

Non-Japanese students should consult with their preferred academic advisor regarding details on how to complete the online application.

(1) Preparation(Please prepare the following ①–⑥)

- ① Applicants should prepare a computer or a smartphone or a tablet connected to the Internet
- ② A printer for printing the application documents
- ③ An E-mail address for registering as a user
- ④ An image file containing a photograph of the applicant's face
- ⑤ A ¥362 stamp for posting the application documents (for sending examination admission slip)
*Unnecessary for the person who applies from foreign countries.
- ⑥ Rectangular #2-sized envelope (24 cm × 33.2 cm)
*Unnecessary for the person who applies from foreign countries

(2) Application Method

- ① Register the application information using the online application site
↓
 - ② Pay the entrance examination fee
↓
 - ③ Print, complete, and post the application documents (must arrive by the deadline)
- ※ Applicants must complete ①–③ above before the application deadline. Please note that we cannot accept the application if any one of these procedures has not been completed by the application deadline.

(3) Online Application Site

<https://syutugan.yamanashi.ac.jp>

The online application site can be accessed using the above URL. Please follow the guidelines on the screen to register the applicant's personal and application information, etc.

(4) Payment of the Examination Fee

Examination fee ¥30,000

1. Please select the payment method from the examination fee payment screen and complete the payment procedure. The following payment methods are accepted. The payment method of the one to apply from the foreign countries is only a credit card. Depending on the method of payment, it may take about two hours for your payment to be confirmed.

- ①Convenience store, ②ATM of a financial institution (Pay-easy), ③Internet banking, ④Credit card
2. For all payment methods, transfer fee will be charged separately.
3. Once the examination fee has been paid, it will not be refunded for any reason.

【Exemption from the Entrance Examination Fee】

The University of Yamanashi takes measures to exempt applicants affected by the 2011 Tohoku earthquake and tsunami, the Kumamoto earthquakes, Heavy rain in July of 2018 and the 2018 Hokkaido Eastern Iburi earthquake from the fee for this entrance examination.

Applicants who wish to apply for an exemption should contact the Admission Division before entering their applicant information via the online application site.

Please check the University of Yamanashi website (https://www.yamanashi.ac.jp/examination_list) for details regarding exemption application documents, etc.

(5) Inquiries Related to Online Applications

Admission Division, Academic Affairs Support Department, University of Yamanashi

Phone: +81(0)55-220-8046

E-mail:web-nyushi-tr@yamanashi.ac.jp

4. Application Documents

The application documents include documents to be prepared by the applicant and documents to be printed from the online application site.

NO	Application document	General Selection	Special Selection for Working Students	Description
1	Certificate of (Prospective) Graduation (Completion)	<input type="radio"/>	<input type="radio"/>	Certificate issued by the graduating university, or equivalent.
2	Academic Transcript	<input type="radio"/>	<input type="radio"/>	Transcript created and sealed by the graduating university, or equivalent.
3	Personal Resume	<input type="radio"/>	<input type="radio"/>	Please submit the “Personal Resume” after printing the form from the application documents print page.
4	Postage Stamp Sticking Paper (for sending examination admission slip)	<input type="radio"/>	<input type="radio"/>	Affix a ¥362 stamp to the “Postage Stamp Sticking Paper” after printing it from the application documents print page. *A ¥362 stamp is not necessary for the person who applies from foreign countries.
5	Certification of Employment		<input type="radio"/>	Submit a certificate of employment for the duration of a minimum of 2 years issued by the employer. (The format is not specified.)
6	Research Project Plan		<input type="radio"/>	Fill in the theme, objective, motive (problem identification or the background), method, etc. of the research on the form attached to this guideline.
7	List of Research Achievement		<input type="radio"/>	Only those who have a research achievement (thesis, academic article, publications, patent, etc.) shall fill in the form, and in principle, attach separate prints and the summary of the achievement.
8	Letter of Approval	<input type="radio"/>	<input type="radio"/>	Applicants who wish to continue their employment after the enrollment are required to present a Letter of Approval by the head of the organization.
9	Resident Card (Non-Japanese students only)	<input type="radio"/>	<input type="radio"/>	<ul style="list-style-type: none"> Applicants holding nationality in a foreign country, and who also register their residency in a municipality of Japan, are required to submit a Resident Record (Status of residence and Period of stay listed in the Resident Record) delivered by the local government office where they reside. Those who have not registered their residency in a municipality of Japan must submit a copy of their passport.

Note: The submission of No.7 through No.9 is required for those who are applicable.

※ Please download the documents to be submitted for use in the examination of application requirements from the University of Yamanashi website: <https://www.yamanashi.ac.jp/admission/45>
Admissions > Graduate School Entrance Examination > Applicant Requirements

5. Application Period

(1) Application Period

June 26th (Wednesday) — July 2nd (Tuesday), 2019 5:00 pm (must arrive by the deadline)

Applicants must complete “Register the application information using the online application site”, “Pay the entrance examination fee” and “Print, complete, and post the application documents” before the application deadline. Please note that we cannot accept the application if any one of these procedures has not been completed by the application deadline.

(2) Method for Submitting the Application Documents

Please print out the “Application Documents Checklist” from the application documents print page on “My Page” on the online the application site and check that all documents are present before submitting the application. Please consider postal conditions and ensure that the documents arrive at the university within the application period.

① For residents in Japan

Please print the “Envelope Address Label” from the application documents print page and stick it on your own Rectangular #2-sized envelope (24 cm × 33.2 cm).

If sending your application documents by post, please be sure to send them by registered express mail.

If you want to deliver your application documents in person, please submit them to the Admission Division, Academic Affairs Support Department between 9:00 am and 4:30 pm on during the application period (excluding university and public holidays).

② For residents overseas

Please send your application documents by EMS or DHL.

Please print the “Envelope Address Label” from the application documents print page, and send it with other application documents.

(3) Address for Submitting the Application Documents and Reference for the Overall Application Process

Admission Division, Academic Affairs Support Department, University of Yamanashi

4-4-37, Takeda, Kofu, 400-8510 Japan

Phone: +81(0)55-220-8046

【Notes Regarding Applications】

① Please be careful when preparing your application since incomplete documents will not be accepted.

② Once the application documents have been received, they cannot be returned under any circumstances.

Once the online applicant registration is completed, changes to the application content will not be permitted under any circumstances.

③ Misrepresentation of any information submitted in the application documents may result in rejection of the application even after the applicant has entered the university.

6. Selection Method

(1) Selection Method

① General Selection: The selection will be based on the total assessment of their academic transcripts, the results of the academic and oral examinations, etc.

② Special Selection for Working Students: Selection will be based on the total assessment of academic transcripts, research project plans, list of research achievement, oral examination, etc.

(2) Examination schedule

Date and Hour		Type of Examination	General Selection	Special Selection for Working Students
July 18 th (Thursday), 2019	10:00~11:00	English	○	
	11:15~	Oral Examination	○	○

Remarks:

1. Usage of own dictionaries (except for electronic devices) is permitted for English examination.

2. Oral examination for the Special Selection of Working Students will be based on the Research Project Plan and so forth.

3. You are not allowed to take an examination after 30 minutes have elapsed since the examination has started.

If you are late for an examination time, you are allowed in examination rooms until the moment when 30 minutes have elapsed since examinations started.

(3) Location of the Examination

Building of Educational Research, Department of Nursing Science, Faculty of Medicine at University of Yamanashi. (Medical Campus)

Note: Please be seated by 10 minutes before the start of examination.

7. Announcement of Successful Applicants

Announcement of the successful applicants will be made on the bulletin board at the front entrance of Building of Clinical Lecture of in Medical Campus at around 10:00 am on July 30th (Tuesday), 2019. A letter of acceptance will also be sent to the successful applicants.

The examinee numbers of successful applicants will also be exhibited at our website (<https://www.yamanashi.ac.jp>), but the letter of acceptance will be the final confirmation.

(Information regarding the results will not be provided via telephone.)

8. Admission Period

April 2020.

9. Admission Procedures

(1) Period for admission: August 26th (Monday) — August 28th (Wednesday), 2019.

(2) Enrollment fee: ¥282,000 (Tentative). Admission fees and tuition fees may be revised at the time of admission.

The enrollment fee already paid will not be refunded for any reasons.

(3) Documents related to the admission procedure will be sent together with the notification of acceptance.

10. Tuition Fee

Course fee for First Semester: ¥267,900 (annual fee ¥535,800) (Tentative).

- When the tuition fee is revised, the new fee will be applied from the time of revision.
- In principle, the tuition fee will be withdrawn from a bank account. The procedure will be guided separately.

11. Other Expense

Other small fees such as Personal Accidents Insurance for Students Pursuing Education and Research are also applicable.

12. Privacy Policy

The personal information given by the applicants such as names and addresses will be employed for ① Admissions, or selection of enrollee (application handling, admissions implementation), ②Announcement of successful applicants, ③Operation of enrollment procedure, and ④Conduct of statistical survey. Also the examination results applied to the admissions will be used for the creation of the reference materials for the enrollee selection method ahead.

The personal information given by the enrollee will be employed for ①Academic affairs (register, instruction), ②Student-support related (such as health administration, employment assistance, tuition waiver/scholarship application), and ③Operation related to the collection of tuition.

Admissions Guide

1. Objective

The objective of the Department of Biomedical Science, Master's Course, of the Graduate School, University of Yamanashi is not only to cultivate researchers who take the lead in future life-science researches, but also to develop professionals with highly advanced technology and interdisciplinary knowledge, who will practice the results of life science research and social medicine in actual medical settings, healthcare administration, and the field of health education.

For the betterment of education, we will give ample consideration to the students who haven't studied medicine so far, so that they can sufficiently learn the basics of medicine, and we aim at developing the students' sense of medical ethics and medical research ethics, which are essential for highly professional technologists, so they can establish their thoughts on the ethical, legal and social problems in the pioneering therapeutic technologies.

As for working students, we consider Master's Course a re-education course for the personnel of medical care, public administration or educational fields, and as a training ground for highly specialized skills, where research is conducted for solving actual problems.

2. Course Outline

(1) Curriculum and Required Term of Study

Department Biomedical Science Major of our Graduate School is normally a 2-year Master's Course.

(2) Subjects and Credits

As specified in Appendix 1.

3. List of Department and Research Focus

As specified in Appendix 2.

4. Degrees

(1) The name of the degree in this major is Master's (of Life Science).

(2) The Master's degree will be awarded after attending the graduate school for at least two years, having completed at least 30 credit hours, receiving the necessary research instructions, and receiving the approval of Master's dissertation and passing the final examination. However, in the case of excellence in research, a minimum of one year may be a sufficient term of study.

5. Completion of Degree

Students are required to acquire the total of a minimum of 30 credit hours: 1 credit hour in a compulsory subject of the common course, 1 or more credit hours in select specialized subjects of the common course, 10 credit hours in basic medical science subjects of the compulsory course, 4 or more credit hours in select specialized subjects of the compulsory course, and 12 credit hours of the special research then submit a master's thesis after receiving the necessary research guidance.

Standard Coursework

Major	Field of Subject	Compulsory-Elective	Coursework section	Required credits
Biomedical Science	Graduate School Common Courses	Compulsory	Lecture	1
		Compulsory elective	Lecture	1
	Medical Science Basics	Compulsory	Lecture	10
	Thesis Research		Thesis Research	12
	Medical Biosciences Social Medicines Advanced Clinical Sciences Translational Researches	Compulsory elective	Lecture	4 or more
	Biomedical science-related subjects	Elective	Lecture	Unspecified
	Any of the above	Elective	Lecture	2 or more
	Total			

6. Special Exceptions According to Article 14 of Graduate Schools Establishment Standards

In our Master's course, according to "Special Exception of Education Method" in the provisions in Article 14 of the Standards for Establishing Graduate Schools, the courses are held also at night, to allow mature students to enroll while remaining employed. Compulsory courses are held only at night.

Selective compulsory courses are held during the day and at night, but if you wish to attend the daytime courses, you are required to consult the instructors in charge in advance.

These courses will be held from 6:10 pm to 9:20 pm on weekdays, or during Saturdays and summer/winter vacations for students to attend, and also to receive research guidance.

7. Extended Enrollment System

This system is for students with limited time for study because of their employment and others. The course term can be extended beyond the standard term of two years but within the specified period (four years at the longest) to take and complete the course. The number of required credits is the same as in the standard term so the annual schedule will be considerably less tight.

For inquiries about this system, contact our Registrar Group (for Graduate School), Academic Affairs Division (phone: +81(0)55-273-9627).

8. Exemption or Collection Postponement of Admission and Tuition Fees

(1) Exemption of Admission Fee

In any of the cases below, upon student's request and screening, the half or total of the admission fee payment may be exempted:

- a. If a student has demonstrated strong academic achievement but is unable to afford the admission fee as a result of financial hardship.
- b. If it is proved that there is a marked difficulty to afford the admission fee, due to the death of the applicant's academic expenses sponsor within one year before the admission or due to natural disasters that affect the sponsor or student.

(2) Postponement of Collection of Admission Fee

In any of the cases below, upon student's request and screening, the admission fee payment may be postponed:

- a. If a student has demonstrated strong academic achievement but is unable to afford the admission fee as a result of financial hardship.
- b. If it is proved that there is a marked difficulty to afford the admission fee, due to the death of the applicant's academic expenses sponsor within one year before the admission or due to natural disasters that affect the sponsor or student.

(3) Exemption of Tuition Fees

In any of the cases below, upon student's request and screening, half or total of the tuition payment may be exempted:

- a. If a student has demonstrated strong academic achievement but is unable to afford the tuition as a result of financial hardship.
- b. If it is proved that there is a marked difficulty to afford the tuition, due to the death of the applicant's academic expenses sponsor within six months before the deadline of tuition payment (or one year before the admission) or due to natural disasters that affect the sponsor or student.

9. Scholarships

There are scholarship plans offered by the Japan Student Services Organization. Loan rates are as follows:

The first class (no interest) ¥50,000 or ¥88,000 per month for the Master's Course (the First Semester), and the second class (interest is charged) has selections of ¥50,000 per month, ¥80,000 per month, ¥100,000 per month, ¥130,000 per month or ¥150,000 per month (as for the academic year 2019).

Other scholarship systems are also available. For details, contact our Student Support Staff of Academic Affairs Division (phone: +81(0)55-273-9334).

10. Personal Accident Insurance for Students Pursuing Education and Research (Optional)

This insurance is part of a mutual aid system and has the objective of giving relief in case of damage or accidents during the student's educational research activities, as well as covering students on the way to school. The insurance fee for two years is ¥2,790.

Subjects and Credits

(For the academic year 2019)

Field of Subject	Subjects	Credit Year	Credits	
			Compulsory Subjects	Elective Subjects
Graduate School Common Courses	Research Ethics	1	1	
	Career Management	1		1
	Communications in Sciences	1		1
Medical Science Basics	Introduction to Human Morphology and Function	1	2	
	Introduction to Human Pathophysiology	1	2	
	Introduction to Social Medicine	1	2	
	Introduction to Clinical Medicine	1	2	
	Introduction to Bioethics	1	1	
	Introduction to Laboratory Animal Science and Ethics	1	1	
Medical Biosciences	Life Science I (Basic Medical Sciences: Physiological Regulation & Function)	1·2		2
	Life Science II (Basic Medical Sciences: Host Defense and Pathological Regulation)	1·2		2
Social Medicines	Social Medicine I	1·2		2
	Social Medicine II	1·2		2
Advanced Clinical Sciences	Advanced Clinical Science I (Internal Medicine)	1·2		2
	Advanced Clinical Science II (Surgery)	1·2		2
	Advanced Clinical Science III (Medical System Research)	1·2		2
Translational Researches	Innovative Drug Discovery & Advanced Medical Technology	1·2		2
	Psychological Health Science	1·2		2
	Introduction to Public Policy for Human Health	1·2		2
	Internship	1·2		1
Biomedical science-related subjects ※	Advanced Medical and Welfare Devices Engineering	1·2		2
	Large-scale Discrete Structure Processing	1·2		2
	Machine Learning	1·2		2
	Bioinformatics	1·2		2
	Advanced Cell Processing Engineering	1·2		1
	Regulation in mammalian development	1·2		2
Thesis Research		2	1 2	

※ “Biomedical science-related subjects” are other course subjects.

List of Department and Research Focus

Department	Main Research Focus	Teaching Staff
Anatomy and Structural Biology	Structural and functional analyses of motile cilia using cryo-electron microscopy	Toshiyuki Oda
Developmental Biology	Molecular mechanism of cardiovascular development in vertebrates	Atsuo Kawahara
Anatomy and Cell Biology	Functional analysis on the novel neural signaling system through cilium Interdisciplinary approaches to the development of a new medical diagnostics machine	Sen Takeda
Integrative Physiology	Integrative research for understanding higher order brain function	Takanori Uka
Neurophysiology	Sensorimotor information processing in the brain and development of advanced optical imaging technique	Kazuo Kitamura
Biochemistry 1	Molecular mechanisms of synaptic structure and function	Toshihisa Ohtsuka
Biochemistry 2	Mechanisms of growth factor signaling	Keiji Miyazawa
Molecular and Cellular Biology	Molecular mechanisms of tumor progression, epithelial-mesenchymal transition(EMT)	Masao Saitoh
Neuropharmacology	Regulation by glial cells of brain functions and diseases	Schuichi Koizumi
Molecular Pathology	Molecular pathology, elucidation of molecular mechanism of the life-related disease, atherosclerosis, translational research	Jianglin Fan
Microbiology	Research and development of novel anti Hepatitis virus agents	Kohji Moriishi
Immunology	How allergic diseases occur?: molecular mechanism and new approaches for the prevention and treatment	Atsuhito Nakao
Legal Medicine	DNA analysis on the highly degraded samples, mainly ancient human skeletons. Mechanism of the neuronal death and degeneration after trauma.	Noboru Adachi Hideki Shojo
Health Sciences	The birth cohort study (the longitudinal study) on the fetal programming (fetal environments relate to health status of adults) Genomic epidemiology to clarify the interaction between genetic factors and environmental factors Social epidemiologic studies on social inequalities in health	Zentaro Yamagata
Gastroenterology and Hepatology	Analysis of the correlation between drug resistance and hepatitis virus genomic structures. A role of DKK family members in colorectal carcinogenesis. Investigation for the molecular mechanism of hepatocarcinogenesis induced by hepatitis virus thorough determining complete viral genomic sequences.	Nobuyuki Enomoto
Cardiovascular and Pulmonary Science and Medicine	A development of non-invasive measurements of unstable atherosclerotic plaque	Kiyotaka Kugiyama
Nephrology, Endocrinology, and Rheumatology	Roles of serine proteases in the pathogenesis of kidney diseases, hypertension, and diabetes	Kenichiro Kitamura
Neurology	Clinical Neurology, Molecular Genetics in Hereditary Neurodegenerative Disorders, Microneurography in Autonomic Nervous System	Yoshihisa Takiyama
Hematology/Oncology	Glycolysis and cancer	Keita Kirito
Pediatrics	Pediatric hematology and oncology	Takeshi Inukai
Neuropsychiatry and Clinical Ethics	Research on optimizing diagnostics and therapeutics for refractory mental illnesses	Takefumi Suzuki
Dermatology	A novel immunotherapeutic approach for cancer (melanoma). Analyses of HIV and herpes virus infection.	Tatsuyoshi Kawamura

Department	Main Research Focus	Teaching Staff
Surgery 1	Novel therapy for esophageal cancer with cancer vaccination., Innovative therapy for inflammatory bowel disease with cytokine regulation., Pancreatic cancer treatment by the improvement of cancer tissue hypoxia., Elucidation of mechanisms and establishment Liquid biopsy in patients with cancers	Daisuke Ichikawa
Surgery2	Cardiac surgery for ischemic, valvular and congenital heart diseases. Vascular surgery. Thoracic surgery for benign and malignant lung diseases. Pediatric surgery.	Hiroyuki Nakajima
Orthopaedic Surgery	#1: Development of surgical treatment for spine and spinal cord disorders, bone and soft tissue tumors, hand and pediatric disorders, and reconstruction of extremity and joints. #2: Molecular biologic investigation for spinal disorders, rheumatoid arthritis.	Hiroataka Haro
Neurosurgery	Innovation of the surgical treatment for stroke based on the advanced pathophysiology	Hiroyuki Kinouchi
Anesthesiology	Anesthesia for patients with coronary artery disease, Cerebral circulation and anesthesia, Thermoregulation and anesthesia, Neuropathic pain	Takashi Matsukawa
Obstetrics and Gynecology	Regenerative Medicine using Somatic Cell Nuclear Transfer, Study of Carcinogenesis of Uterine Cervical Cancer.	Shuji Hirata
Urology	Lower Urinary Tract Dysfunction, Minimally Invasive Therapy, Endoscopic Surgery, Urological Oncology, Treatment of Renal Failure, Renal Transplantation	Takahiko Mitsui
Ophthalmology	Big data, AI studies in ophthalmology	Kenji Kashiwagi
Radiology	Diagnostic imaging, magnetic resonance imaging, radiation oncology, interventional radiology	Hiroshi Onishi
Oral and Maxillofacial Surgery	Jaw bone regeneration using bio-materials and dynamic stimulation Morphological and dynamic analysis related to incidence of jaw deformity and temporomandibular joint dysfunction Changes in trigeminal somato-sensory evoked potential and nerve tissue after maxillofacial surgery Research of mode of invasion in oral cancer	Koichiro Ueki
Clinical and Laboratory Medicine	A role of Platelets beyond clotting focusing on a platelet activation receptor, CLEC-2 Signal transduction pathways in platelet activation mediated by adhesion molecules and receptors Monitoring of anti-platelet drug	Katsue Suzuki-Inoue
Pathology	Molecular pathology and anatomic pathology of human cancers Mechanism of multistep carcinogenesis in thyroid tumors System development of diagnostic technology for thyroid cancer	Tetsuo Kondo
Department of Advanced Biomedical Research	Methodology for biomedical research The clinical application of advanced biomedical research	Masaru Iwasaki
	Molecular basis for intercellular communication Stress response: mechanisms and pathophysiological implications Monitoring of disease activity and therapeutic intervention using genetic biosensors	Jian Yao
Community and Family Medicine	Community health policy, health economics, evaluation of the quality of medical care, electronic medical records, utilization of medical information	Wataru Sato
Emergency and Critical Care Medicine	Development of novel treatment for multiple organ failure(MOF). Mechanisms of MOF. Blood purification. Liquid ventilation.	Kenichi Matsuda
Clinical Pharmaceutics	Improved stabilization of pharmaceutical preparations, Optimization study of drug therapy through pharmaceutical design, Development of medication information sharing system among medical institutions	Toshio Oguchi
Mathematical Sciences	Mathematics, Algebraic Geometry, Moduli of representations, Statistics, Statistics for Nursing Research	Kazunori Nakamoto