平成29年度 10月入学
October 2017 Admission

大学院医学系研究科医科学専攻（博士課程）
Course of Medical Sciences in Graduate School of Medicine（Doctoral Program）

学生募集要項
Admission Guidelines

【社会人入試を含む。】
【Including selection for working members of society】

群馬大学
Gunma University
Contents

○ Course of Medical Sciences in Graduate School of Medicine, Gunma University (Doctoral Program)  
  Admission Policy ................................................................. p.35

○ Admission Guidelines for general selection in October ........................................ p.36

○ Admission Guidelines for working members of society in October .................. p.45

○ How to make a payment of Examination Fee at Convenience Store or by Credit Card  ............................................................................................................. p.53

○ List of Supervisors of each major field ................................................................. p.54

○ Contact Information and Main contents .................................................................. p.55

○ Application Documents

Contact
Admissions Section, Educational Affairs Office, 
Administration Division, Showa Campus of Gunma University 
3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, JAPAN 
TEL. +81-27-220-7797 
E-mail: kk-mgakumu5@jimu.gunma-u.ac.jp
Admission Guidelines
Course of Medical Sciences in Graduate School of Medicine (Doctoral Program)
Gunma University

Diploma Policy
~ The Medical Sciences course grow the following candidates. ~
We confer the degree of Doctor of Medical Sciences to candidates who have successfully fulfilled
all graduation requirements and who have acquired the following abilities:
1. The ability to contribute to global and local societies by playing an important role in medical
research and practices, and in the area of social welfare with high ethical standards and a sense
of mission.
2. The ability to conduct advanced research and to educate researchers and practitioners in the
medical sciences with wide and profound scholarly knowledge.
3. The ability to elucidate pathogenesis of illnesses and to develop novel therapeutic strategies
with excellent technical skills.

Curriculum Policy
~ The Medical Sciences course is doing the following education and research. ~
Doctoral programs in our course of studies aim to train and develop researchers in advanced
medicine and medical practitioners in possession of high ethical standards and excellent clinical
skills. As such, our programs are designed specifically to meet the following learning objectives:
1. Programs to master systematically basic knowledge and research skills indispensable for
research in advanced biology and medicine, elucidation of pathogenesis of illnesses, and
development of novel therapeutic strategies.
2. Programs to acquire high ethical standards necessary for research and education in medical
sciences and to experience social contribution activities.
3. Programs to learn how to plan and conduct research autonomously, how to disseminate
academic achievements worldwide, and to master professional knowledge and skills required for
specific fields of medicine.

Admission Policy
~ The Medical Sciences course is looking for the following candidates. ~
<Aim of Our Doctoral Program>
We aim to train students to be leaders in the medical world, who, based on the integration of
Science, Ethics, and Skill, play active roles for research, education, and clinical practice.
<Ability and Quality of Applicants>
We consider applicants who possess academic knowledge, the ability to learn and conduct
research, and who hold the following aspirations:
1. The aspiration to contribute to human and social development through research in advanced
biology and medicine.
2. The aspiration to contribute to human and social development as a medical practitioner with
high ethical standards and excellent clinical skills.
3. The aspiration to contribute to human and social development as an educator dedicated to the
training and development of first-rate medical practitioners.

Selection of Candidates
We conduct the entrance examination for Working Member of Society in addition to General
Selection to select the applicants who possess academic knowledge, the ability to learn and
conduct research, and the aspirations mentioned above.
Furthermore, we have a system for enrollment in October in order to expand learning
opportunities. In the entrance examination for October enrollment, applicants are evaluated by
their ability in English, an interview test, and their past academic record.

- 35 -
### Admission Guidelines for general selection in October

#### 1 Number of Students to be Admitted

<table>
<thead>
<tr>
<th>Basic Medicine</th>
<th>Clinical Medicine</th>
<th>Cooperative and Joint Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy</td>
<td>Radiation Oncology</td>
<td>(University Hospital)</td>
</tr>
<tr>
<td>Anatomy and Cell Biology</td>
<td>Cardiovascular Medicine</td>
<td>Diagnostic Radiology and Nuclear Medicine</td>
</tr>
<tr>
<td>Molecular and Cellular Neurobiology</td>
<td>Divison of Pulmonary Medicine</td>
<td>Psychiatry and Neurosciences</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>Gastroenterology and Hepatology</td>
<td>Anesthesiology</td>
</tr>
<tr>
<td>Integrative Physiology</td>
<td>Endocrinology and Metabolism</td>
<td>Emergency Medicine</td>
</tr>
<tr>
<td>Neurophysiology and Neural Repair</td>
<td>Nephrology and Rheumatology</td>
<td>General Practice Medicine</td>
</tr>
<tr>
<td>Neurobiology and Behavior</td>
<td>Hematology</td>
<td>Rehabilitation Medicine</td>
</tr>
<tr>
<td>Genetic and Behavioral Neuroscience</td>
<td>Neurology</td>
<td>Clinical Laboratory Medicine</td>
</tr>
<tr>
<td>Molecular Pharmacology and Oncology</td>
<td>(General Surgical Science)</td>
<td>Human Pathology</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>Cardiovascular Surgery</td>
<td>Diagnostic Pathology</td>
</tr>
<tr>
<td>Parasitology</td>
<td>General Thoracic Surgery</td>
<td>Pediatrics</td>
</tr>
<tr>
<td>Public Health</td>
<td>Gastroenterological Surgery</td>
<td>Obstetrics and Gynecology</td>
</tr>
<tr>
<td>Legal Medicine</td>
<td>Breast and Endocrine Surgery</td>
<td>Urology</td>
</tr>
<tr>
<td>Medical Philosophy and Ethics</td>
<td>Hepatobiliary and Pancreatic Surgery</td>
<td>Neurosurgery</td>
</tr>
<tr>
<td></td>
<td>Pediatric Surgery</td>
<td>Ophthalmology</td>
</tr>
<tr>
<td></td>
<td>Otolaryngology-Head and Neck Surgery</td>
<td>Otolaryngology</td>
</tr>
<tr>
<td></td>
<td>Dermatology</td>
<td>Plastic Surgery</td>
</tr>
<tr>
<td></td>
<td>Plastic Surgery</td>
<td>Orthopaedic Surgery</td>
</tr>
<tr>
<td></td>
<td>Oral and Maxillofacial Surgery</td>
<td>Clinical Pharmacology</td>
</tr>
</tbody>
</table>

The number of students to be admitte is a few.

**Notes:**

1. The number of students to be admitted includes that of the selection for working members of society.
2. When applying, be sure to contact the supervisor (see page 54) of major field of your choice about research, guidance, etc.
3. There is a special course as shown below in our Course of Medical Sciences.

A person who desires to take the cooperative course on heavy ion medical engineering must submit the application form (Form-7) at the time of application.

A person who desires to take the other course should consult his/her Academic Advisor and submit the application after enrollment.

Furthermore, for more information about the Special Course, please confirm it by visiting our Course of Medical Sciences in Graduate School of Medicine and Faculty of Medicine at website at http://www.med.gunma-u.ac.jp/.

---

**Course for Promotion of Research Based on the Alliance between Basic and Clinical Medicine**

**Translational Research Course**

**Course for Program for Cultivating Global Leaders in Heavy Ion Therapeutics and Engineering**

**Course for Cultivating Globally Co-operative Experts in Clinical Oncology**
- Course for Experts in Surgical Oncology
- Course for Experts in Multidisciplinary Oncology
- Course for Experts in Radiation Oncology
- Course for Experts of Research on Pharmaceutical Sciences of Cancer
- Course for Experts in Basic and Translational Research

**Asian Nuclear Medicine Graduate Course**

**Integrated medicine training course**
2 Qualifications for Application (A person who falls under any of the following provisions)

(1) A person who has graduated or will graduate from a university (which has a course in medical science or dental science, or a 6-year course in pharmaceutical science or veterinary science) by September 2017.

(2) A person who has completed or will complete an 18-year course (final course has to be the course in medical science, dental science, pharmaceutical science, or veterinary science) of school education in a foreign country by September 2017.

(3) A person who has completed or will complete an 18-year course (final course has to be the course in medical science, dental science, pharmaceutical science, or veterinary science) in a foreign country’s school education by taking class subjects in Japan through correspondence courses run by the said foreign educational establishments by September 2017.

(4) A person who has completed a foreign country’s university course or is expected conferred by September 2017 at an educational institution in Japan (limited to the person who has completed an 18-year course of school education (including the doctoral course to study medical science, dental science, pharmaceutical science, or veterinary science) in the said foreign country’s school education) which is designated in the said foreign country’s education system as having a foreign university’s curriculum and specifically designated by the Minister of Education, Culture, Sports, Science and Technology, Japan.

(5) A person who has completed five or more years of study (the course in medical science, dental science, pharmaceutical science, or veterinary science) at a foreign university, or foreign educational establishment (including a person who, while residing in Japan, has completed the program of education provided by a foreign university or foreign educational establishment through correspondence or distance education courses) and who received or is expected conferred by September 2017 a degree certificate that is recognized by the Japanese Ministry of Education, Culture, Sports, Science and Technology.

(6) A person designated by the Minister of Education, Culture, Sports, Science and Technology, Japan. (Notification No. 39 of the Ministry of Education, 1955)

(Note) The designated person above refers to a person who falls under any of the following provisions:

(a) A person who has completed medical science or dental science at the faculty of medicine or dentistry of a university under the old University Ordinance (Imperial Ordinance No. 386 of 1918); and who has graduated from these faculties.

(b) A person who has graduated or will graduate from National Defense Medical College by September 2017 under the Act for Establishment of the Ministry of Defense (Act No. 164 of 1954)

(c) A person who has completed a master’s course, a person who can be awarded a master’s degree, or a person who has been enrolled in the doctoral course with no separation of a 2-year first semester and a 3-year-second semester for 2 years or longer acquiring 30 credits or more under the necessary research guidance (including a person who falls under Article 6-1 of the Degree regulations (Ordinance of the Ministry of Education, Science, Culture No. 9 of 1953) prior to version by Ministerial Ordinance (Ordinance of the Ministry of Education, Science, Culture No. 29 of 1974) that revises part of the Degree regulations), in addition to the above-described premises, a person who has been recognized by our Graduate School as having academic ability equivalent or superior to a university graduate who has completed the course to study medical science, dental science, pharmaceutical science, or veterinary science.

(d) A person who has graduated from a university (excluding the course to study medical science or dental science, or a 6-year course in pharmaceutical science or veterinary science), or a person who has been engaged in research for 2 years or longer at university or institute, etc. after having completed 16 years of a school education in a foreign country (including a person who will engage in research for 2 years or longer by September 30, 2017), in addition to the above-described premises, a person who has been recognized by our Graduate School as having academic ability equivalent or superior to a university graduate who has completed the course in medical science, dental science, pharmaceutical science, or veterinary science based on the said research’s results etc.

(7) A person who entered a graduate school other than our Graduate School (limited to the course to study medical science, dental science, pharmaceutical science, or veterinary science) based on the provisions of Article 102-2 of the School Education Act (Act No. 26 of 1947) and who has been recognized by our Graduate School as having academic abilities appropriate for receiving graduate school education.

(8) A person who has been recognized by our Graduate School as having academic abilities equivalent or superior to a person who has graduated a university (which has a course in medical science or dental science, or a 6-year course in pharmaceutical science or veterinary science) based on the results of individual examination of the applicant’s qualifications, and who will be 24 years of age by September 30, 2017.

(9) A person who has been enrolled at a university for 4 years or longer taking the course in medical science or dental science, or the 6-year course in pharmaceutical science/ veterinary science (including a person who is specified by the Minister of Education, Culture, Sports, Science and Technology, Japan as any other person equivalent thereto) by September 2017 and who has been recognized by Gunma University as having completed the required units with excellent results.

3 Screening etc. of “Qualifications for Application” (only for the people concerned)

(1) A person who intends to apply under the provisions of Qualifications for Application (6)—(d), (7) or (8) must undergo the screening of requirements for admission of our Graduate School before applying under the following
conditions, and after that the only person who is proved that he/she has Qualifications for Application can apply. Furthermore, the result of the qualification screening will be notified to each applicant by May 26 (Fri.), 2017.

(a) Application period
May 12 (Fri.), 2017

(b) Application documents

① In the case of the screening concerning Qualifications for Application (6)-(d):
I Application for the screening of admission requirements (The form attached to our admission guidelines must be used.[Form-8])
II Certificate of Research Activities (The form attached to our admission guidelines must be used.[Form-9])
III Research achievements in medicine and medical treatment (Papers etc.)
IV Profile of the research institute to which the applicant has belonged to in order to produce the above research achievements.
V Letter of recommendation prepared by the supervisor of the research area of your choice (form : free)
VI Graduation Certificate or Completion Certificate issued by the final educational establishment from which the applicant graduated.
VII Academic transcript issued by the final educational establishment from which the applicant graduated.

② In the case of the screening concerning Qualifications for Application (7):
I Application for the screening of admission requirements (The form attached to our admission guidelines must be used.[Form-8])
II Academic transcript (faculty results and the document showing the curriculum of the faculty (e.g. syllabus))
III Certificate of student status (issued by the president of the university graduate school) you are in and with the date of your entrance. If you completed or quit the graduate school, submit the document with the date of your entrance (e.g. the transcript from the graduate school).
IV Published academic papers etc. on research achievements, if any.

③ In the case of the screening concerning Qualifications for Application (8):
I Application for the screening of admission requirements (The form attached to our admission guidelines must be used.[Form-8])
II Certificate of Research Activities (The form attached to our admission guidelines must be used.[Form-9])
III Research achievements equivalent to master’s thesis (Papers etc.)
IV Profile of the research institute to which the applicant has belonged in order to produce the above research achievements.
V Graduation Certificate or Completion Certificate issued by the final educational establishment from which the applicant graduated.
VI Academic transcript issued by the final educational establishment from which the applicant graduated.
(c) Application documents should be sent to:
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University, 3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, JAPAN
TEL. +81-27-220-7797

(2) A person who intends to apply under the provisions of Qualifications for Application (9) must inquire at the office described in (1)-(c) before applying.

4 Acceptance of Application

(1) Application Period
May 29 (Mon.) to June 9 (Fri.), 2017  (without fail)

(2) Submission Procedures of Application documents
Application documents must be submitted by bringing them by the applicant in person or by mail within the application period.
① Submitting the documents in person will be accepted at Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University described in (3) from 9:00 a.m. to 4:00 p.m.
② When mailing the documents, be sure to use registered mail and write “Application form for Graduate School of Medicine enclosed” in red on the front of the envelope and send it to Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University described in (3).

Notes:
1. Application documents will not be accepted after the designated the application period. The documents should be sent early taking mailing conditions / mailing period into consideration. When special circumstances need to be taken into consideration, please contact “Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University” described in (3) by May 29 (Mon.), 2017 at 4:00 p.m.
2. If the application documents are sent by ordinary mail, Gunma University will not be responsible for it no matter what happens to the documents.
(3) Submitted address and Reference for Application documents etc,
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University,
3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, JAPAN
TEL. +81-27-220-7797

(4) Application Documents, etc. (The form is also available through the website of the Graduate School of Medicine and the Faculty of Medicine, Gunma University (http://www.med.gunma-u.ac.jp/))

<table>
<thead>
<tr>
<th>Documents</th>
<th>Outline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Form and Curriculum Vitae [Form-1]</td>
<td>Fill out the form attached to our admission guidelines or obtained from the homepage. The person who has graduated or will graduate from a school in foreign countries must fill in his/her curriculum vitae.</td>
</tr>
</tbody>
</table>
| Entrance Examination Fee | ¥30,000 (Examination Fee: JPY 30,000) Please select one from the following four payment methods.  
1. Payment at a bank in Japan (the payment cannot be made at post office).  
(1) The examination fee transfer form provided must be used and the payment should be made at a teller’s window of your nearest bank. Bank transfer fees are chargeable on the person who pays the fees. [Form 2]  
(2) Confirm that the “Certificate of Transfer Receipt” is sealed by the bank (financial institution) and paste it on the prescribed place in the “Sheet for Certificate of Transfer Receipt” [Form 3].  
(3) The transfer payment receipt should be kept with good care as your own duplicate.  
(4) Transfer payment period: May 22 (Mon.) to 300 p.m. (Japan time) of June 9 (Fri.), 2017.  
(5) We do not accept the “Certificate of Transfer Receipt” without a seal by financial institution, one with the amended amount of money, or one written with a pencil. Payment by using ATM (Automated Teller Machine), cell phone or personal computer should not be made. |
| 2 | 2 |
| 3 | Payment by credit card (make sure that you have a personal computer or cell phone connected to a printer with A4 paper with you).  
(1) Refer to the page 53 when you pay by credit card. Payment commissions are chargeable on the person who pays the fees.  
(2) After payment, receive the “Application Fee Statement”, detach the “Certificate of Payment” (receipt) portion from it, and paste it on the prescribed place in the “Sheet for Certificate of Transfer Receipt” [Form 3].  
(3) Payment period: May 22 (Mon.) to 300 p.m. (Japan time) of June 9 (Fri.), 2017. When you make payment via the web site, you have to pay 30 minutes before the end of payment period. |
| 4 | Remittance from abroad  
(1) Please make a remittance on a yen basis from a bank teller’s window to the Following bank account (a bank transfer fee and an overseas remittance fee will be borne by an applicant in person).  
(2) Paste the receipt (the copy of it is also valid) you receive from a bank on the prescribed place in the “Sheet for Certificate of Transfer Receipt” [Form 3]. In addition, if an excess or a deficiency arises in amount of remittance, please note that it cannot be dealt with.  
(3) When you make a remittance, please contact a person in charge of Gunma University as below.  
At which time, be sure to specify your name, the name of the nation from which you remit, and your planning to apply for our Doctoral Program.  
(E-mail: kk-mgkniumu5@jimu.gunma-u.ac.jp) |
| ○Bank Account  
Bank: The Towa Bank, LTD (Bank Code: 0516)  
Branch: Maebashi Kita Branch (Branch Code: 012)  
Address: 1-5-2 Kokuroy-cho, Maebashi City, Gunma, 371-0033, JAPAN  
TEL. +81-27-231-6789  
Swift Code: TOWAJPJ1  
Account number: 3165574 (Savings Account)  
Name of account: Gunma daigaku  
Address of AC Holder: 4-2 Aramaki-machi, Maebashi City, Gunma, 371-8510, JAPAN  
TEL. +81-27-230-7062  
(4) Transfer Payment period: May 22 (Mon.) to 300 p.m. (Japan time) of June 9 (Fri.), 2017.  
(5) Payment by using ATM (Automated Teller Machine), cell phone or personal computer should not be made. |

*In principle, the entrance examination fee will not be returned, but it will be returned in the following cases according to the designated procedures.  
1: When an application is not made after paying the entrance examination fee.  
2: When the entrance examination fee is paid twice, or more than the amount of fixed money accidentally.  
3: When application documents are not accepted after submission.  
We will return the entrance examination fee later.
<table>
<thead>
<tr>
<th>Documents</th>
<th>Outline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2 Entrance Examination Fee</strong></td>
<td>Address for sending the declaration form: Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University, 3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, JAPAN</td>
</tr>
<tr>
<td></td>
<td>※When performing the procedures of the return of the entrance examination fee, the transfer payment receipt will be needed (When performing the procedures abroad, the original transfer payment receipt you receive from a bank will be needed). Any processing fees will be deducted from the amount to be returned.</td>
</tr>
<tr>
<td></td>
<td>For inquiries regarding the return of the entrance examination fees, please contact: Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University TEL +81-27-220-7797</td>
</tr>
<tr>
<td></td>
<td>※If the applicant is receiving the Japanese Government (MEXT) Scholarship at the time of application, the examination fee payment is not required. Please submit the document certifying that you are the recipient of the scholarship.</td>
</tr>
<tr>
<td></td>
<td>※Applicants who suffered from the Great East Japan Earthquake and disaster from storm and flood will be exempted from the total amount of examination fee as special measures.</td>
</tr>
<tr>
<td></td>
<td>Eligible applicants for exemption from entrance examination fee)</td>
</tr>
<tr>
<td></td>
<td>1. Special measures for the Great East Japan Earthquake</td>
</tr>
<tr>
<td></td>
<td>(1) The applicants who suffered in the areas where the Disaster Relief Act in the Great East Japan Earthquake has been applied, and who fall under any of the following categories:</td>
</tr>
<tr>
<td></td>
<td>① Applicants whose houses, which are owned by payers of school expenses, were completely destroyed, largely half-destroyed, partially destroyed, or washed away.</td>
</tr>
<tr>
<td></td>
<td>② Applicants whose payers of school expenses are dead or missing.</td>
</tr>
<tr>
<td></td>
<td>(2) Applicants whose payers of school expenses are recognized that their domiciles were designated as warning areas, deliberation evacuation areas, areas where it is expected that the residents have difficulties in returning for a long time, areas in which the residents are not permitted to live, and areas to which evacuation orders are ready to be lifted due to the Fukushima Daiichi nuclear disaster.</td>
</tr>
<tr>
<td></td>
<td>2. Special measures for the disaster from storm and flood</td>
</tr>
<tr>
<td></td>
<td>(1) The applicants who suffered in the areas where the Disaster Relief Act in the disaster from storm and flood within one year before the application period has been applied, and who fall under any of the following categories:</td>
</tr>
<tr>
<td></td>
<td>① Applicants whose houses, which are owned by payers of school expenses, were completely destroyed, largely half-destroyed, partially destroyed, or washed away.</td>
</tr>
<tr>
<td></td>
<td>② Applicants whose payers of school expenses are dead or missing.</td>
</tr>
<tr>
<td></td>
<td>(2) For further information, please contact the following. Inquiries should be directed to: Admissions Office, Educational Division, Gunma University TEL +81-27-220-71493</td>
</tr>
<tr>
<td><strong>3 Sheet for Certificate of Transfer Receipt or Certificate of Payment [Form-3]</strong></td>
<td>Paste the “Certificate of Transfer Receipt” or “Certificate of Payment” on the space for paste-up in the sheet attached to the Admission Guidelines or obtained from the homepage and submit it.</td>
</tr>
<tr>
<td><strong>4 Photograph Card [Form-4] Examination Card [Form-5]</strong></td>
<td>Fill out the form attached to the Admission Guidelines or obtained from the homepage. Furthermore, write your name on the back of the photograph (waist-up, full-face and uncovered head (4.5 cm x 3 cm)) taken within three month prior to the application and paste it on the prescribed column in the Photograph Card. In addition, Photograph Card and Examination Card must be submitted without cutting apart.</td>
</tr>
<tr>
<td><strong>5 Certificate of Graduation (or expected graduation)</strong></td>
<td>The certificate issued by the presidents of the university and the graduate school from which you graduated. If the applicant have completed or is expected to complete Master’s Course, submit the certificate of completion (or expected completion) issued by the Dean of the said graduate school. However, those who have passed the screening of admission requirements by our Graduate School under Qualifications for Application (6)(d) or (8), and who have graduated from Faculty of Medicine of Gunma University are not required to submit it.</td>
</tr>
<tr>
<td><strong>6 Certificate of Bachelor’s Degree</strong></td>
<td>Attach the diploma or other certificate of Bachelor’s Degree which is conferred from the university of educational establishment. This item 6 applies to a person who falls under “Qualifications for Application (5)”</td>
</tr>
<tr>
<td><strong>7 Academic transcript</strong></td>
<td>The certificate issued by the presidents of the university and the graduate school from which you graduated and sealed tightly. If the applicant have completed or is expected to complete Master’s Course, he/she must submit the Academic Transcript issued by the Dean of the said graduate school as well. However, those who have passed the screening of admission requirements by our Graduate School under Qualifications for Application (6)(d)(7) or (8), and who have graduated from Faculty of Medicine of Gunma University are not required to submit it.</td>
</tr>
<tr>
<td><strong>8 Name and Address Card [Form-10]</strong></td>
<td>Fill out the form attached to the Admission Guidelines or obtained from the homepage.</td>
</tr>
<tr>
<td><strong>9 Self-addressed envelop (size No. 3)</strong></td>
<td>The self-addressed envelop with the applicant’s name, address, and postal code written and a ¥362 (JPY 362) stamp pasted on it must be attached. In addition, an applicant from overseas is not required to submit it.</td>
</tr>
<tr>
<td><strong>10 Written approval for taking examination [Form-6]</strong></td>
<td>A working person must submit the written approval for taking examination (form attached to the Admission Guidelines is designated) issued by supervisor or appointer of workplace. [Form 6]</td>
</tr>
</tbody>
</table>
Sending of Examination Card etc.

Examination Card etc. will be sent to the applicant after paperwork following the acceptance of Application documents. If Examination Card etc. should not be sent by June 20 (Tue.), 2017, apply to Admissions Section, Educational Affairs Office, Administration Division, Showa Campus (TEL. +81-27-220-7797, E-mail : kk-mgakumu5@jimu.gunma-u.ac.jp).

Gunma University provides academic support to students with disabilities etc.

When you have a disability and need consideration in examination and your study, prior to an application, please consult with our university beforehand.

When to consult

As due date of consultation is May 12 (Fri.), 2017, please consult as soon as possible.

How to consult

Please submit a consultation document (its format is optional) by attaching required documents including a doctor’s certificate.

When necessary, the interview with the persons concerned with the school from which an applicant graduated, or his/her family etc. who can speak for the applicant or his/her position is performed in our university.

Consultation document should be sent to:

Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University, 3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, Japan
TEL. +81-27-220-7797

Selection Method

Selection will be made by making a comprehensive judgment on the score of English, oral examination score of the major subject (interview) and the academic transcript issued by the president of the university etc. from which you graduated.

1. About foreign language examination (English)

The result of TOEFL, TOEIC Listening & Reading Test (Open test), or IELTS (Academic Module) submitted by applicants are used in place of the foreign language examination. For those who submitted the result, the foreign language examination (English) will not be held on the examination day.

The score of TOEFL-PBT (Paper Based Test), TOEFL-iBT (internet Based Test), TOEIC Listening & Reading Test (Open test), or IELTS (Academic Module) will be converted into the score of the foreign language examination (English) based on the following conversion table. The score of TOEFL-ITP (TOEFL Institutional Testing Program) will also be the subject of evaluation and converted in the same way as the score of TOEFL-PBT.

The score of TOEFL, TOEIC Listening & Reading Test (Open test) or IELTS (Academic Module) which has been
issued within the last 2 years is valid. The submitted score report must be the original and copies are not acceptable. The original will be returned with the Examination Card.

(2) Example of conversion table for TOEFL and TOEIC Listening & Reading Test (open test) and IELTS (Academic Module)

<table>
<thead>
<tr>
<th>Conversion of English examination</th>
<th>49</th>
<th>56</th>
<th>60</th>
<th>69</th>
<th>80</th>
<th>89</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOEFL-PBT</td>
<td>471</td>
<td>489</td>
<td>499</td>
<td>521</td>
<td>549</td>
<td>571</td>
<td>599</td>
</tr>
<tr>
<td>TOEFL-IBT</td>
<td>52</td>
<td>57</td>
<td>61</td>
<td>69</td>
<td>79</td>
<td>89</td>
<td>100</td>
</tr>
<tr>
<td>TOEIC Listening &amp; Reading Test (open test)</td>
<td>505</td>
<td>555</td>
<td>585</td>
<td>650</td>
<td>730</td>
<td>790</td>
<td>870</td>
</tr>
</tbody>
</table>

IELTS (Academic Module)

<table>
<thead>
<tr>
<th>Conversion of English examination</th>
<th>41</th>
<th>60</th>
<th>80</th>
<th>95</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>IELTS (Academic Module)</td>
<td>5.5</td>
<td>6</td>
<td>6.5</td>
<td>7</td>
<td>7.5</td>
</tr>
</tbody>
</table>

* TOEIC Test (Open Test) is also acceptable.

7 Date and Locations for Examination

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Examination Subject</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 26 (Mon.), 2017</td>
<td>1000–1200</td>
<td>Desired Major Field (Oral Examination)</td>
<td>Graduate School of Medicine, Gunma University etc.</td>
</tr>
</tbody>
</table>

8 The Aim of Each Examination Subject

Desired Major Field (Oral examination)...... In engaging in his/her studies, basic academic ability necessary for his/her major field and willingness to study will be examined.

9 Exam Instructions

(1) The examination card must be brought with you on taking the entrance examination.
(2) Examinees must enter the prescribed examination room by 9:30 a.m. Late arrivals for the examination will be accepted to take the examination within 30 minutes after the start of the examination, but the test time shall not be extended.
(3) Examinees must take all tests on the examination subjects assigned, or he/she will be disqualified.
(4) When a delay occurs on the public transport on the examination day, please refer to:
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University (TEL. +81-27-220-7797)
(5) If unexpected incidents (a disaster, an accident, etc.) happen on the day of examination, visit our website (http://www.med.gunma-u.ac.jp/) for your reference. In principle, we will not conduct supplementary examinations.

10 Announcement of Screening Result

Letters of acceptance will be mailed to successful applicants on July 28 (Fri.), 2017. At the same time, successful applicants’ numbers will be posted on the website of "the Graduate School of Medicine and the Faculty of Medicine, Gunma University" on and after 10:00 a.m. to the date for admission procedures. Notice about announcement of selection results will not be posted in Gunma University campus.

Additionally, any inquiries about selection results by telephone will not be accepted.

11 Admission Procedures

Successful applicant is required to read the enclosed “admissions guide” with “the letter of acceptance” carefully and must complete (1) the preparations for the admission procedures, and (3) during the period of the admission procedures, “mail” or “bring” them to (4) the place for the admission procedures.

(1) Fees and documents for admission procedures
   ① Admission fee: ¥282,000 (JPY 282,000)
Notes! (a) Any revisions to admission fee on admission during enrollment shall be applied.
(b) Methods for payment of the admission fee will be informed separately.
(c) Admission fee paid shall not be returned under any circumstances.

Examination Card

Any additional documents instructed in the admissions guide.

Methods for payment of the admission fee will be informed separately.

Admission fee paid shall not be returned under any circumstances.

Examination Card

Any additional documents instructed in the admissions guide.

Methods for payment of the admission fee will be informed separately.

Admission fee paid shall not be returned under any circumstances.

Notes! (a) Any revisions to tuition fees during enrollment shall be applied.
(b) Methods for payment of the tuition fee will be informed separately.
(c) Tuition fee including the tuition fee second-semester can be paid at the time of paying the tuition fee for first-semester according to the successful applicant’s wishes.
(d) If a person who completes the admission procedures declines the admission by September 29 (Fri.), 2017, the amount equivalent to the tuition fee paid shall be returned based on his/her request by following the prescribed procedures.

Period of Admission Procedures

By mail: The necessary documents must be reached to the university no later than August 21 (Mon.), 2017.
In person: The necessary documents must be brought no later than August 21 (Mon.), 2017. (until 5:00p.m.)

Note: Whether it is “By mail” or “In person”, he/she will be regarded as a person who declines the admission if the admission procedures have not been completed by the above deadline.

Places for the admission procedures

By mail: Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University, 3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, JAPAN
In person: Educational Affairs Office, Administration Division, Showa Campus of Gunma University
(The third floor of Common Building)

12 Exemption and Postponement of Admission Fee and Tuition Fee

There is a system that the admission fee or the tuition fee can be exempted in full or by half for a person who is admitted that it is very difficult to pay the tuition owing to special circumstances.
Also, the collection of admission fee or tuition fee can be postponed for a certain period for a person who is admitted that it is very difficult to pay the admission fee or the tuition fee by the specified deadline.
Inquiries should be directed to:
Education and Student Support Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University TEL. +81-27-220-7796

Gunma University has a system of exemption from admission fee or tuition fee for those recognized as having difficulty in paying due to suffering from the Great East Japan Earthquake.
Inquiries should be directed to:
Student Life Section, Student Support Office, Educational Division, Aramaki Campus of Gunma University TEL. +81-27-220-7141

13 Scholarship

There is the scholastic loan and benefit system for learning support provided by Japan Student Services Organization (JASSO) for a person who has difficulty in paying the tuition fee, and who has his/her great academic performance as well as a fine personality.
Inquiries should be directed to:
Education and Student Support Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University TEL. +81-27-220-7792

14 Disclosure of Admission Information

Admission Information will be disclosed in the following way:
(1) Disclosed on the website of Graduate School of Medicine/School of Medicine, Faculty of Medicine on and after November 1 (Wed.), 2017. (http://www.med.gunma-u.ac.jp/)

The above information contains number of applicants, number of examinees, number of successful applicants, number of newly enrolled students, the proportion of men to women in the newly enrolled students etc., the highest totaled scores that one of the successful applicants got, the average score of the totaled scores that the successful applicants got.
Furthermore, the highest totaled scores that one of the successful applicants got and the average score of the totaled scores that the successful applicants got will not be provided if the personal information about the applicant is likely to be specified.

(2) Disclosed by the examinee’s request in written form.
   The said examinee’s totaled scores on the entrance examination will be disclosed in written form.
   ○ Period for acceptance of disclosure request
      From November 1 (Wed.) to November 30 (Thu.), 2017

15 Protection of the Personal Information about the Applicants for Admission etc.

Gunma University will acquire the personal information about the applicants etc. through the application documents submitted and the personal information about the examinees by carrying out the entrance examination, but the personal information described above will be used only for the following operations based on “Act on the Protection of Personal Information Held by Independent Administrative Agencies in Gunma University”.

(1) For the operations (including subordinate operation, such as statistical treatment) concerning the selection of newly enrolled students.

(2) For the operations concerning the student advising, the student support, and the tuition fee collection after enrollment as the data on the newly enrolled student in the case of a person who has completed the admission procedures.

In addition, our university may be mentioned like above operations to an external company after concluding the contract concerning the appropriate handling of personal information.
Admission Guidelines for working members of society in October

1 Aim
With the rapid development of medical science and medical treatment, the development of human resources with the special ability, knowledge, and technique of more advanced medical science and medical treatment is socially requested.

Our Graduate School introduces the Day/Evening lecture course system based on the special divisions on education methods by Article 14 of the Standards Act for Establishment of Graduate School and conducts the selection for a working member who is active in the field connected with medical science and medical treatment in local society in order to give him/her an opportunity to learn the ability, knowledge, and technique of advanced medical science and medical treatment.

2 Number of Students to be Admitted
The number of the students to be admitted for the selection for working members of society is included in the number of students to be admitted described in the Admission Guidelines for general selection.

Note: When applying, inquire of the supervisor of the desired major field (see page 54) about research and guidance, etc.

3 Qualifications for Application
A person who can apply for admission shall fall under any of the following, and who has been working for a hospital, a clinic, a research institute, an educational institution, or a health center etc. on applying. Furthermore, after entering our graduate school, he/she shall retain his/her status with the excellent work performance and be approved to take entrance examination and attend school by the supervisor or appointor of the workplace.

(1) A person who has graduated from a university (which has a course in medical science or dental science, or a 6-year course in pharmaceutical science or veterinary science).

(2) A person who completed an 18-year course (its final course has to be the course in medical science, dental science, pharmaceutical science, or veterinary science) of school education in a foreign country.

(3) A person who completed an 18-year course (its final course has to be the course in medical science, dental science, pharmaceutical science, or veterinary science) in a foreign country’s school education by taking class subjects in Japan through correspondence courses run by the said foreign educational establishments.

(4) A person who completed a foreign country’s university course at an educational institution in Japan (limited to the person who has completed an 18-year course of school education (including the doctoral course to study medical science, dental science, pharmaceutical science, or veterinary science) in the said foreign country's school education) which is designated in the said foreign country’s education system as having a foreign university’s curriculum and specifically designated by the Minister of Education, Culture, Sports, Science and Technology, Japan.

(5) A person who has completed five or more years of study (the course in medical science, dental science, pharmaceutical science, or veterinary science) at a foreign university, or foreign educational establishment (including a person who, while residing in Japan, has completed the program of education provided by a foreign university or foreign educational establishment through correspondence or distance education courses) and who received a degree certificate by September 2017 that is recognized by the Japanese Ministry of Education, Culture, Sports, Science and Technology.

(6) A person designated by the Minister of Education, Culture, Sports, Science and Technology, Japan. (Notification No. 39 of the Ministry of Education, 1955)

(Note) The designated person above refers to a person who falls under any of the following provisions:

(8) A person who completed medical science or dental science at the faculty of medicine or dentistry of a university under the old University Ordinance (Imperial Ordinance No. 388 of 1918), and who graduated from these faculties.

(b) A person who graduated from National Defense Medical College under the Act for Establishment of the Ministry of Defense (Act No. 164 of 1954)

(c) A person who completed a master’s course, a person who can be awarded a master’s degree, or a person who had been enrolled in the doctoral course without dividing the course between 2 years’ first semester and 3 years’ second semester for 2 years or longer acquiring 30 credits or more under the necessary research guidance (including a person who falls under Article 6-1 of the Degree regulations (Ordinance of the Ministry of Education, Science, Culture, No. 9 of 1953) prior to version by Ministerial Ordinance (Ordinance of the Ministry of Education, Science, Culture, No. 29 of 1974) that revises part of the Degree regulations), in addition to the above-described premises, a person who has been recognized by our Graduate School as having academic ability equivalent or superior to a university graduate who has completed the course to study medical science, dental science, pharmaceutical science, or veterinary science.

(d) A person who graduated from a university (excluding the course to study medical science or dental science, or a 6-year course in pharmaceutical science or veterinary science), or a person who has been engaged in research for 2 years or longer at university or institute, etc. after having completed 16 years of a school education in a foreign country (including a person who will engage in research for 2 years or longer by September 30, 2017), in addition to the above-described premises, a person who has been recognized by our
Graduate School as having academic ability equivalent or superior to a university graduate who has completed the course in medical science, dental science, pharmaceutical science, or veterinary science based on the said research’s results etc.

(7) A person who has been recognized by our Graduate School as having academic abilities equivalent or superior to a person who has graduated a university (which has a course in medical science or dental science, or a 6-year course in pharmaceutical science or veterinary science) based on the results of individual examination of the applicant’s qualifications, and who will be 24 years of age by September 30, 2017.

4 Screening etc. of “Qualifications for Application” (only for the people concerned)

(1) A person who intends to apply under the provisions of Qualifications for Application (6)-(d) or (7) must undergo the screening of requirements for admission of our Graduate School before applying under the following conditions, and after that the only person who is proved that he/she has Qualifications for Application can apply. Furthermore, the result of the qualification screening will be notified to each applicant by May 26 (Fri.), 2017.

(a) Application period
May 12 (Fri.), 2017

(b) Application documents

1. In the case of the screening concerning Qualifications for Application (6)-(d):
   I. Application for the screening of admission requirements (The form attached to our admission guidelines must be used. [Form-8])
   II. Certificate of Research Activities (The form attached to our admission guidelines must be used. [Form-9])
   III. Research achievements in medicine and medical treatment (Papers etc.)
   IV. Profile of the research institute to which the applicant has belonged to in order to produce the above research achievements.
   V. Letter of recommendation prepared by the supervisor of the research area of your choice (form : free)
   VI. Graduation Certificate or Completion Certificate issued by the final educational establishment from which the applicant graduated.
   VII. Academic transcript issued by the final educational establishment from which the applicant graduated.

2. In the case of the screening concerning Qualifications for Application (7):
   I. Application for the screening of admission requirements (The form attached to our admission guidelines must be used. [Form-8])
   II. Certificate of Research Activities (The form attached to our admission guidelines must be used. [Form-9])
   III. Research achievements equivalent to master’s thesis (Papers etc.)
   IV. Profile of the research institute to which the applicant has belonged in order to produce the above research achievements.
   V. Graduation Certificate or Completion Certificate issued by the final educational establishment from which the applicant graduated.
   VI. Academic transcript issued by the final educational establishment from which the applicant graduated.

(c) Application documents should be sent to:
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University, 3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, JAPAN
TEL. +81-27-220-7797

5 Acceptance of Application

(1) Application Period
May 29 (Mon.) to June 9 (Fri.), 2017 (without fail)

(2) Submission Procedures of Application documents
Application documents must be submitted by bringing them by the applicant in person or by mail within the application period.

1. Submitting the documents in person will be accepted at Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University described in (3) from 9:00 a.m. to 4:00 p.m.

2. When mailing the documents, be sure to use registered mail and write “Application form for Graduate School of Medicine enclosed” in red on the front of the envelope and send it to Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University described in (3).

Notes:
1. Application documents will not be accepted after the designated the application period. The documents should be sent early taking mailing conditions / mailing period into consideration. When special circumstances need to be taken into consideration, please contact “Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University” described in (3) by May 29 (Mon.), 2017 at 4:00 p.m.

2. If the application documents are sent by ordinary mail, Gunma University will not be responsible for it no matter what happens to the documents.
(3) Submitted address and Reference for Application documents etc.
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University,
3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, JAPAN
TEL. +81-27-220-7797

(4) Application Documents, etc. (The form is also available through the website of the Graduate school of
Medicine and the Faculty of Medicine, Gunma University (http://www.med.gunma-u.ac.jp/))

<table>
<thead>
<tr>
<th>Documents</th>
<th>Outline</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Application Form and Curriculum Vitae [Form-11]</td>
</tr>
<tr>
<td>2</td>
<td>Entrance Examination Fee</td>
</tr>
</tbody>
</table>

¥30,000 (Examination Fee : JPY 30,000)
Please select one from the following four payment methods.

1. Payment at a bank in Japan (the payment cannot be made at post office).
   (1) The examination fee transfer form provided must be used and the payment should be made at a teller's window of your nearest bank. Bank transfer fees are chargeable on the person who pays the fees. [Form 2]
   (2) Confirm that the “Certificate of Transfer Receipt” is sealed by the bank (financial institution) and paste it on the prescribed place in the “Sheet for Certificate of Transfer Receipt” [Form 3].
   (3) The transfer payment receipt should be kept with good care as your own duplicate.
   (4) Transfer payment period: May 22 (Mon.) to 300 p.m. (Japan time) of June 9 (Fri.) 2017.
   (5) We do not accept the “Certificate of Transfer Receipt” without a seal by financial institution, one with the amended amount of money, or one written with a pencil. Payment by using ATM (Automated Teller Machine), cell phone or personal computer should not be made.

2. Payment at a convenience store (make sure that you have a personal computer or cell phone with you).
   (1) Refer to the page 53 when you pay at a convenience store. Payment commissions are chargeable on the person who pays the fees.
   (2) After payment, receive the “Application Fee Statement”, detach the “Certificate of Payment” (receipt) portion from it, and paste it on the prescribed place in the “Sheet for Certificate of Transfer Receipt” [Form 3].
   (3) Payment period: May 22 (Mon.) to 300 p.m. (Japan time) of June 9 (Fri.) 2017. When you make payment via the website, you have to pay 30 minutes before the end of payment period.

3. Payment by credit card (make sure that you have a personal computer or cell phone connected to a printer with A4 paper with you).
   (1) Refer to the page 53 when you pay by credit card. Payment commissions are chargeable on the person who pays the fees.
   (2) After payment, print the “Application Fee Statement”, detach the “Certificate of Payment” (receipt) portion from it, and paste it on the prescribed place in the “Sheet for Certificate of Transfer Receipt” [Form 3].
   (3) Payment period: May 22 (Mon.) to 300 p.m. (Japan time) of June 9 (Fri.) 2017.

4. Remittance from abroad
   (1) Please make a remittance on a yen basis from a bank teller’s window to the Following bank account (a bank transfer fee and an overseas remittance fee will be borne by an applicant in person).
   (2) Paste the receipt (the copy of it is also valid) you receive from a bank on the prescribed place in the “Sheet for Certificate of Transfer Receipt [Form 3]”. In addition, if an excess or a deficiency arises in amount of remittance, please note that it cannot be deal with.
   (3) When you make a remittance, please contact a person in charge of Gunma University as below.
   (4) Transfer Payment period: May 22 (Mon.) to 300 p.m. (Japan time) of June 9 (Fri.) 2017.
   (5) Payment by using ATM (Automated Teller Machine), cell phone or personal computer should not be made.

Concerning the return of the entrance examination fee [common notes to both remittances]

In principle, the entrance examination fee will not be returned, but it will be returned in the following cases according to the designated procedures.

1. When an application is not made after paying the entrance examination fee.
2. When the entrance examination fee is paid twice, or more than the amount of fixed money accidentally.
3. When application documents are not accepted after submission.

Bank Account
Bank: The Towa Bank, LTD (Bank Code: 0516)
Branch: Maebashi Kita Branch (Branch Code: 012)
Address: 1-5-2 Kokuryo-cho, Maebashi City, Gunma, 371-0033, JAPAN
TEL: +81-27-231-6789
Swift Code: TOWAJPJT

Account number: 31658574 (Savings Account)
Name of account: Gunma daigaku
Address of AC Holder: 4-2 Aramaki-machi, Maebashi City, Gunma, 371-8510, JAPAN
TEL: +81-27-220-7062

(4) Transfer Payment period: May 22 (Mon.) to 300 p.m. (Japan time) of June 9 (Fri.) 2017.
(5) Payment by using ATM (Automated Teller Machine), cell phone or personal computer should not be made.
### Documents

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>We will return the entrance examination fee later.</td>
</tr>
<tr>
<td>2</td>
<td>Entrance Examination Fee</td>
</tr>
<tr>
<td>3</td>
<td>Sheet for Certificate of Transfer Receipt or Certificate of Payment (Form-3)</td>
</tr>
<tr>
<td>4</td>
<td>Photograph Card (Form-12) or Examination Card (Form-13)</td>
</tr>
<tr>
<td>5</td>
<td>Certificate of Graduation</td>
</tr>
<tr>
<td>6</td>
<td>Certificate of Bachelor’s Degree</td>
</tr>
<tr>
<td>7</td>
<td>Academic transcript</td>
</tr>
<tr>
<td>8</td>
<td>Name and Address Card (Form-10)</td>
</tr>
<tr>
<td>9</td>
<td>Self-addressed envelop (size No. 3)</td>
</tr>
<tr>
<td>10</td>
<td>Written approval for taking examination and school attendance (Form-14)</td>
</tr>
</tbody>
</table>

### Outline

**Declaration of claiming back the Entrance Examination Fee (Doctoral Program)**

1. The reason why you want to claim back the fee.
2. Name
3. Postal Code. Present Address
4. Phone Number or E-mail Address

Address for sending the declaration form:
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University, 3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, JAPAN

*When performing the procedures of the return of the entrance examination fee, the transfer payment receipt will be needed (When performing the procedures abroad, the original transfer payment receipt you receive from a bank will be needed.) Any processing fees will be deducted from the amount to be returned.

For inquiries regarding the return of the entrance examination fees, please contact:
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University  
TEL +81-27-220-7197

*If the applicant is receiving the Japanese Government (MEXT) Scholarship at the time of application, the examination fee payment is not required. Please submit the document certifying that you are the recipient of the scholarship.

* Applicants who suffered from the Great East Japan Earthquake and disaster from storm and flood will be exempted from the total amount of examination fee as special measures.

(Eligible applicants for exemption from entrance examination fee)
1. Special measures for the Great East Japan Earthquake:
   1. The applicants who suffered in the areas where the Disaster Relief Act in the Great East Japan Earthquake has been applied, and who fall under any of the following categories.
      1. Applicants whose houses, which are owned by payers of school expenses, were completely destroyed, largely half-destroyed, partially destroyed, or washed away.
      2. Applicants whose payers of school expenses are dead or missing.
   2. Applicants whose payers of school expenses are recognized that their domiciles were designated as warning areas, deliberate evacuation areas, areas where it is expected that the residents have difficulties in returning for a long time, areas in which the residents are not permitted to live, and areas to which evacuation orders are ready to be lifted due to the Fukushima Daiichi nuclear disaster.
2. Special measures for the disaster from storm and flood:
   1. The applicants who suffered in the areas where the Disaster Relief Act in the disaster from storm and flood within one year before the application period has been applied, and who fall under any of the following categories.
      1. Applicants whose houses, which are owned by payers of school expenses, were completely destroyed, largely half-destroyed, partially destroyed, or washed away.
      2. Applicants whose payers of school expenses are dead or missing.

For further information, please contact the following:

Inquiries should be directed to:
Admissions Office, Educational Division, Gunma University  
TEL +81-27-220-7149

---

Paste the "Certificate of Transfer Receipt" or "Certificate of Payment" on the space for paste-up in the sheet attached to the Admission Guidelines or obtained from the homepage and submit it.

Fill out the form attached to the Admission Guidelines or obtained from the homepage. Furthermore, write your name on the back of the photograph (waist-up, 2 in. x 2 in., 5 cm x 5 cm) taken within three month prior to the application and paste it on the prescribed column in the Photograph Card. In addition, Photograph Card and Examination Card must be submitted without cutting apart.

The certificate issued by the presidents of the university and the graduate school from which you graduated.

If the applicant have completed or is expected to complete Master’s Course, submit the certificate of completion issued by the Dean of the said graduate school. However, those who have passed the screening of admission requirements by our Graduate School under Qualifications for Application (6)-(d) or (7), and who have graduated from Faculty of Medicine of Gunma University are not required to submit it.

Attach the diploma or other certificate of Bachelor’s Degree which is conferred from the university of educational establishment.

This item 6 applies to a person who falls under “Qualifications for Application (5)”

Fill out the form attached to the Admission Guidelines or obtained from the homepage.

The self-addressed envelop with the applicant’s name, address, and postal code written and a ¥362 (JPY 362) stamp pasted on it must be attached.

In addition, an applicant from overseas is not required to submit it.

The written approval for taking examination and school attendance (the form attached to our admission guidelines must be used) issued by the supervisor or appointer of your workplace must be submitted. [Form-14]
Sending of Examination Card etc.

Examination Card etc. will be sent to the applicant after paperwork following the acceptance of Application documents. If Examination Card etc. should not be sent by June 20 (Tue.), 2017, apply to Admissions Section, Educational Affairs Office, Administration Division, Showa Campus (TEL. +81-27-220-7797, E-mail : kk-mgakumu5@jimu.gunma-u.ac.jp).

Gunma University provides academic support to students with disabilities etc. When you have a disability and need consideration in examination and your study, prior to an application, please consult with our university beforehand.

When to consult

As due date of consultation is May 12 (Fri.), 2017, please consult as soon as possible.

How to consult

Please submit a consultation document (its format is optional) by attaching required documents including a doctor’s certificate.

When necessary, the interview with the persons concerned with the school from which an applicant graduated, or his/her family etc. who can speak for the applicant or his/her position is performed in our university.

Consultation document should be sent to:
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University, 3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, Japan
TEL. +81-27-220-7797

About foreign language examination (English)

The result of TOEFL, TOEIC Listening & Reading Test (Open test), or IELTS (Academic Module) submitted by applicants are used in place of the foreign language examination. For those who submitted the result, the foreign language examination (English) will not be held on the examination day.

The score of TOEFL-PBT (Paper Based Test), TOEFL-iBT (internet Based Test), TOEIC Listening & Reading Test (Open test), or IELTS (Academic Module) will be converted into the score of the foreign language examination (English) based on the following conversion table. The score of TOEFL-ITP (TOEFL Institutional Testing Program) will also be the subject of evaluation and converted in the same way as the score of TOEFL-PBT.
3. The score of TOEFL, TOEIC Listening & Reading Test (Open test) or IELTS (Academic Module) which has been issued within the last 2 years is valid. The submitted score report must be the original and copies are not acceptable. The original will be returned with the Examination Card.

(2) Example of conversion table for TOEFL and TOEIC Test

<table>
<thead>
<tr>
<th>Conversion of English examination</th>
<th>49</th>
<th>56</th>
<th>60</th>
<th>69</th>
<th>80</th>
<th>89</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOEFL-PBT</td>
<td>471</td>
<td>489</td>
<td>499</td>
<td>521</td>
<td>549</td>
<td>571</td>
<td>599</td>
</tr>
<tr>
<td>TOEFL-iBT</td>
<td>52</td>
<td>57</td>
<td>61</td>
<td>69</td>
<td>79</td>
<td>89</td>
<td>100</td>
</tr>
<tr>
<td>TOEIC Listening &amp; Reading Test (open test)</td>
<td>505</td>
<td>555</td>
<td>585</td>
<td>650</td>
<td>730</td>
<td>790</td>
<td>870</td>
</tr>
</tbody>
</table>

Conversion of English examination

IELTS (Academic Module)

| 41 | 60 | 80 | 95 | 100 |

8 Date and Locations for Examination

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Examination Subject</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 26 (Mon.), 2017</td>
<td>10:00–12:00</td>
<td>Desired Major Field (Oral Examination)</td>
<td>Graduate School of Medicine, Gunma University etc.</td>
</tr>
</tbody>
</table>

9 The Aim of Each Examination Subject

Desired major field (Oral examination)…….. In engaging in his/her studies, basic academic ability necessary for his/her major field and the willingness to study will be examined.

10 Exam Instructions

1. The examination card must be brought with you on taking the entrance examination.

2. Examinees must enter the prescribed examination room by 9:30 a.m. Late arrivals for the examination will be accepted to take the examination within 30 minutes after the start of the examination, but the test time shall not be extended.

3. Examinees must take all tests on the examination subjects assigned, or he/she will be disqualified.

4. When a delay occurs on the public transport on the examination day, please refer to: 
Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University (TEL. +81-27-220-7797)

5. If unexpected incidents (a disaster, an accident, etc.) happen on the day of examination, visit our website (http://www.med.gunma-u.ac.jp/) for your reference. In principle, we will not conduct supplementary examinations.

11 Announcement of Screening Result

Letters of acceptance will be mailed to successful applicants on July 28 (Fri.), 2017. At the same time, successful applicants' numbers will be posted on the website of "the Graduate School of Medicine and the Faculty of Medicine, Gunma University" on and after 10:00 a.m. to the date for admission procedures. Notice about announcement of selection results will not be posted in Gunma University campus.

Additionally, any inquiries about selection results by telephone will not be accepted.
12 Admission Procedures

Successful applicant is required to read the enclosed “admissions guide” with “the letter of acceptance” carefully and must complete (1) the preparations for the admission procedures, and (3) during the period of the admission procedures, “mail” or “bring” them to (4) the place for the admission procedures.

(1) Fees and documents for admission procedures

(a) Admission fee: ¥282,000 (JPY 282,000)

Notes:

(a) Any revisions to admission fee on admission during enrollment shall be applied.

(b) Methods for payment of the admission fee will be informed separately.

(c) Admission fee paid shall not be returned under any circumstances.

(2) Examination Card

Any additional documents instructed in the admissions guide.

(3) Fees for after entrance.

Tuition fee: (Second-semester) ¥267,900 (JPY 267,900) (Annual tuition fee: ¥535,800 (JPY 535,800))

Notes:

(a) Any revisions to tuition fees during enrollment shall be applied.

(b) Methods for payment of the tuition fee will be informed separately.

(c) Tuition fee including the tuition fee second-semester can be paid at the time of paying the tuition fee for first-semester according to the successful applicant’s wishes.

(d) If a person who completes the admission procedures declines the admission by March 31 (Fri.), 2017, the amount equivalent to the tuition fee paid shall be returned based on his/her request by following the prescribed procedures.

(3) Period of Admission Procedures

○By mail: The necessary documents must be reached to the university no later than August 21 (Mon.), 2017.

○In person: The necessary documents must be brought no later than August 21 (Mon.), 2017 (until 5:00p.m.).

Note: Whether it is “By mail” or “In person”, he/she will be regarded as a person who declines the admission if the admission procedures have not been completed by the above deadline.

(4) Places for the admission procedures

○By mail: Admissions Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University, 3-39-22 Showa-machi, Maebashi City, Gunma 371-8511, JAPAN

○In person: Educational Affairs Office, Administration Division, Showa Campus of Gunma University (The third floor of Common Building)

13 Exemption and Postponement of Admission Fee and Tuition Fee

There is a system that the admission fee or the tuition fee can be exempted in full or by half for a person who is admitted that it is very difficult to pay the tuition owing to special circumstances.

Also, the collection of admission fee or tuition fee can be postponed for a certain period for a person who is admitted that it is very difficult to pay the admission fee or the tuition fee by the specified deadline.

Inquiries should be directed to:

Education and Student Support Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University TEL. +81-27-220-7796

Gunma University has a system of exemption from admission fee or tuition fee for those recognized as having difficulty in paying due to suffering from the Great East Japan Earthquake.

Inquiries should be directed to:

Student Life Section, Student Support Office, Educational Division, Aramaki Campus of Gunma University TEL. +81-27-220-7141

14 Scholarship

There is a scholastic loan and benefit system for learning support provided by Japan Student Services Organization (JASSO) for a person who has difficulty in paying the tuition fee, and who has his/her great academic
performance as well as a fine personality.

Inquiries should be directed to:
Education and Student Support Section, Educational Affairs Office, Administration Division, Showa Campus of Gunma University TEL. +81-27-220-7792

15 Special Provisions for Education Methods

The education based on the Day/Evening lecture course system will be implemented for a student who enters our Graduate School by passing the entrance examination designed for working people.

The education based on the Day/Evening lecture course system will be implemented in the evening (5:30 p.m.-8:35 p.m.), on Saturdays, on Sundays, on national holidays and during the period of absence from work, for example in summer. However, 5 credits or more in the major class subjects shall be acquired from the class subjects in the Day lecture course.

16 Disclosure of Admission Information

Admission Information will be disclosed in the following way:

(1) Disclosed on the website of Graduate School of Medicine / School of Medicine, Faculty of Medicine on and after November 1 (Wed.), 2017. (http://www.med.gunma-u.ac.jp/)

The above information contains number of applicants, number of examinees, number of successful applicants, number of newly enrolled students, the proportion of men to women in the newly enrolled students etc., the highest totaled scores that one of the successful applicants got, the average score of the totaled scores that the successful applicants got.

Furthermore, the highest totaled scores that one of the successful applicants got and the average score of the totaled scores that the successful applicants got will not be provided if the personal information about the applicant is likely to be specified.

(2) Disclosed by the examinee’s request in written form.

The said examinee’s totaled scores on the entrance examination will be disclosed in written form.

○ Period for acceptance of disclosure request
  From November 1 (Wed.) to November 30 (Thu.), 2017

17 Protection of the Personal Information about the Applicants for Admission etc.

Gunma University will acquire the personal information about the applicants etc. through the application documents submitted and the personal information about the examinees by carrying out the entrance examination, but the personal information described above will be used only for the following operations based on “Act on the Protection of Personal Information Held by Independent Administrative Agencies in Gunma University”.

(1) For the operations (including subordinate operation, such as statistical treatment) concerning the selection of newly enrolled students.

(2) For the operations concerning the student advising, the student support, and the tuition fee collection after enrollment as the data on the newly enrolled student in the case of a person who has completed the admission procedures.

In addition, our university may be mentioned like above operations to an external company after concluding the contract concerning the appropriate handling of personal information.
Gunma University
How to Make a Payment of Examination Fee at Convenience Store or by Credit Card

You can pay the examination fee at a nearby Convenience Store (Lawson, Ministop, FamilyMart, Seven-Eleven, Circle K or Sunkus) by cash, or by a credit card.

1 Online Application

Visit the payment website from your computer or cell phone at:

https://e-shiharai.net/

- You cannot correct or cancel anything once your credit card payment has been made. Please check all your information carefully before you confirm the application.
- If you input the wrong information while trying to obtain your application number, please start again from the beginning and make your payment. If you fail to pay the fee by the due date which you will be notified after completing the online application, all the information you had input will be canceled automatically.

2 Convenience Store Payment

- Make the payment at the register.
- Receive an Application Fee Statement. Detach the Certificate of Payment (receipt) portion.
- Leggi, Familiport, or N-station issues a funds transfer receipt. You will need to take this to the cash register within 30 minutes and make the actual payment.
- Receive an Application Fee Statement. Detach the Certificate of Payment (receipt) portion.

3 Application

Paying at Convenience Store

Attach the receipt portion to "The Certificate of Payment" in the designated location.

Paying by Credit Card

After making your payment, please make sure you have access to a printer with paper/ink. Access "申請内容確認" (Application Results) at e-shiharai.net.

- Please fill in the form.
- Input Receipt Number, Input your Birth Data (YY/MM/DD), and click "申請する".
- Then all of your application information is displayed.
- Click the button "領収書を発行する".
- Attach the printed portion of "領収書" (The Certificate of Payment) in the designated location.
- Enclose in an envelope with all necessary application documents.

- You can print a receipt from the "Application Results" page on the Esiharai site after making credit card payments only.
- Please contact your credit card company directly if your card is not accepted.

- If you are paying at a convenience store, please be sure to complete your web application at least 30 minutes before the end of the payment period time.

- In addition, the steps for using information terminals at various convenience stores and payment deadlines for credit card payments are all mentioned in your application guidelines.
<table>
<thead>
<tr>
<th>Region</th>
<th>Major Field</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Medicine</td>
<td>Anatomy</td>
<td>Hiroshi Yorifuji ⚫</td>
</tr>
<tr>
<td></td>
<td>Anatomy and Cell Biology</td>
<td>Toshiyuki Matsuhashi</td>
</tr>
<tr>
<td></td>
<td>Molecular and Cellular Neurobiology</td>
<td>Yasuki Ishizaki</td>
</tr>
<tr>
<td></td>
<td>Biochemistry</td>
<td>Takashi Irimi ⚫</td>
</tr>
<tr>
<td></td>
<td>Integrative Physiology</td>
<td>Noriyuki Kohyuki</td>
</tr>
<tr>
<td></td>
<td>Neurophysiology and Neuronal Repair</td>
<td>Hirokazu Hirai</td>
</tr>
<tr>
<td></td>
<td>Neurobiology and Behavior</td>
<td>Tomoaki Shirao</td>
</tr>
<tr>
<td></td>
<td>Genetic and Behavioral Neuroscience</td>
<td>Yuchio Yanagawa</td>
</tr>
<tr>
<td></td>
<td>Molecular Pharmacology and Oncology</td>
<td>Masahiko Nishiyama</td>
</tr>
<tr>
<td></td>
<td>Bacteriology</td>
<td>Haruyoshi Tomita</td>
</tr>
<tr>
<td></td>
<td>Parasitology</td>
<td>Hajime Hosada</td>
</tr>
<tr>
<td></td>
<td>Public Health</td>
<td>Hiroshi Koyama</td>
</tr>
<tr>
<td></td>
<td>Legal Medicine</td>
<td>Yoshikazu Kominato</td>
</tr>
<tr>
<td></td>
<td>Medical Philosophy and Ethics</td>
<td>Kenji Hattori</td>
</tr>
<tr>
<td>Cardiovascular Medicine</td>
<td>Respiratory Medicine</td>
<td>Masahiko Karahayashi ⚫</td>
</tr>
<tr>
<td></td>
<td>Gastroenterology and Hepatology</td>
<td>Masanobu Yamada</td>
</tr>
<tr>
<td></td>
<td>Endocrinology and Metabolism</td>
<td>Yoshio Ieda</td>
</tr>
<tr>
<td></td>
<td>Nephrology and Rheumatology</td>
<td><em>(Under Selection)</em></td>
</tr>
<tr>
<td></td>
<td>Hematology ⚫</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Neurology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cardiovascular Surgery ⚫</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Thoracic Surgery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gastroenterological Surgery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Breast and Endocrine Surgery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hepatobiliary and Pancreatic Surgery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pediatric Surgery</td>
<td></td>
</tr>
<tr>
<td>Clinical Medicine</td>
<td>Radiation Oncology</td>
<td>Takashi Nakano</td>
</tr>
<tr>
<td></td>
<td>Diagnostic Radiology and Nuclear Medicine</td>
<td>Yoshihito Tsuruma</td>
</tr>
<tr>
<td></td>
<td>Psychiatry and Neurosciences</td>
<td>Masato Fukuda</td>
</tr>
<tr>
<td></td>
<td>Anesthesiology</td>
<td>Suguru Saito</td>
</tr>
<tr>
<td></td>
<td>Emergency Medicine</td>
<td>Kiyohiko Ushina</td>
</tr>
<tr>
<td></td>
<td>General Practice Medicine</td>
<td>Junichi Tamura</td>
</tr>
<tr>
<td></td>
<td>Rehabilitation Medicine</td>
<td>Naoko Wada</td>
</tr>
<tr>
<td></td>
<td>Clinical Laboratory Medicine</td>
<td>Masami Murakami</td>
</tr>
<tr>
<td></td>
<td>Human Pathology</td>
<td>Hideaki Yokoo</td>
</tr>
<tr>
<td></td>
<td>Diagnostic Pathology</td>
<td>Tetsunari Oyama</td>
</tr>
<tr>
<td></td>
<td>Pediatrics</td>
<td>Hirokazu Arakawa</td>
</tr>
<tr>
<td></td>
<td>Obstetrics and Gynecology</td>
<td><em>(Under Selection)</em></td>
</tr>
<tr>
<td></td>
<td>Urology</td>
<td>Kazuhito Suzuki</td>
</tr>
<tr>
<td></td>
<td>Neurosurgery</td>
<td>Yuhes Yoshimoto</td>
</tr>
<tr>
<td></td>
<td>Ophthalmology</td>
<td>Hideo Akiyama</td>
</tr>
<tr>
<td></td>
<td>Otalaryngology-Head and Neck Surgery</td>
<td>Kazuaki Chihamaitsu</td>
</tr>
<tr>
<td></td>
<td>Dermatology</td>
<td>Osamu Ishikawa</td>
</tr>
<tr>
<td></td>
<td>Plastic Surgery</td>
<td>Satoshi Yokoo</td>
</tr>
<tr>
<td></td>
<td>Orthopaedic Surgery</td>
<td>Hirotaka Chikuda</td>
</tr>
<tr>
<td></td>
<td>Clinical Pharmacology</td>
<td>Kojiro Yamamoto</td>
</tr>
<tr>
<td></td>
<td>Oral and Maxillofacial Surgery</td>
<td>Satoshi Yokoo</td>
</tr>
<tr>
<td>(University Hospital)</td>
<td>Clinical Trials and Regulatory Science</td>
<td>Tetsuya Nakamura</td>
</tr>
<tr>
<td></td>
<td>Medical Informatics</td>
<td>Yuichiro Sato (associate professor)</td>
</tr>
<tr>
<td></td>
<td>Institute for Molecular and Cellular Regulation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Molecular Traffic</td>
<td>Ken Sato</td>
</tr>
<tr>
<td></td>
<td>Medical Neuroscience</td>
<td>Akiko Hayashi-Takagi</td>
</tr>
<tr>
<td></td>
<td>Secretion Biology</td>
<td>Seiji Torii (associate professor)</td>
</tr>
<tr>
<td></td>
<td>Molecular Membrane Biology</td>
<td>Miyou Sato (associate professor)</td>
</tr>
<tr>
<td></td>
<td>Molecular Endocrinology and Metabolism</td>
<td>Tetsuro Ishikawa</td>
</tr>
<tr>
<td></td>
<td>Developmental Biology and Metabolism</td>
<td>Yoshio Fujitani</td>
</tr>
<tr>
<td></td>
<td>Metabolic Signaling</td>
<td>Tadahiro Kitamura</td>
</tr>
<tr>
<td></td>
<td>Laboratory of Epigenetics and Metabolism</td>
<td>Takeshi Inagaki</td>
</tr>
<tr>
<td></td>
<td>Molecular Genetics</td>
<td>Takayuki Yamashita</td>
</tr>
<tr>
<td></td>
<td>Genome Sciences</td>
<td>Iuho Hatada</td>
</tr>
<tr>
<td></td>
<td>Laboratory of Integrated Signaling Systems</td>
<td>Toshih Ishitanai</td>
</tr>
<tr>
<td></td>
<td><em>(Heavy Ion Clinical Medicine)</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Medical Physics and Biology for Ion Therapy</td>
<td>Masami Torikoshi</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Akihasa Takahashi</td>
</tr>
<tr>
<td></td>
<td><em>(Heavy Ion Clinical Medicine)</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tatsuya Ohno</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Takasaki Advanced Radiation Research Institute, National Institutes for Quantum and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Quantum Biology</td>
<td>Yasuyuki Ishii</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yasuhiko Kobayashi</td>
</tr>
</tbody>
</table>

*Due to retire in March 2018.*
<table>
<thead>
<tr>
<th>Major Field</th>
<th>Contact Information</th>
<th>Main contents of research and key words</th>
</tr>
</thead>
</table>
| Anatomy     | Hiroshi Yorifuji *  
Ext. 7910  
yorifuji@gunma-u.ac.jp | Research themes of our laboratory are 1) molecular cell biology of functional proteins of the skeletal muscle and 2) expression and function of cell adhesion molecules during early development. For the former, we are now concentrating on studying cytoskeletal anchoring systems to the sarcolemma and vesicular sorting systems. For the latter, we are studying cadherin-superfamily proteins with in situ hybridization technique using zebrafish embryos that are characterized by transparency in early development.  
[Keywords]  
skeletal muscle, cytoskeleton, vesicular sorting system, embryogenesis, cell adhesion |
| Anatomy and Cell Biology | Toshiyuki Matsuzaki  
Ext. 7900  
matsoshi@gunma-u.ac.jp | We are studying the function of cellular molecules and their relations to cell function and structure. We especially focus on membrane channels and transporters in the kidney, such as water channel aquaporins. We are studying the regulation of water channels and relations to polycystic kidney.  
To understand these molecules, we use bio-imaging techniques such as immunofluorescence microscopy and immuno-electron microscopy, as well as molecular biology techniques. We are also working on functional molecules in meiosis and cellular polarity.  
[Keywords]  
membrane, water channels, transporters, microscopy, immunohistochemistry, electron microscopy |
| Molecular and Cellular Neurobiology | Yasuki Ishizaki  
Ext. 7950  
yasukiishizaki@gunma-u.ac.jp | We are studying the cells in the CNS from their birth to death. We aim at elucidation of molecular basis for the control of proliferation, differentiation, and survival of neural precursor cells, hoping that our results will contribute to the treatment of intractable CNS diseases in the near future. We are also studying the interaction between neural cells (especially oligodendrocyte precursor cells) and vascular cells (especially endothelial cells).  
[Keywords]  
neural stem cells, neuronal precursor cells, oligodendrocyte precursor cells, glial cells, endothelial cells, regenerative medicine |
| Biochemistry | Takashi Izumi *  
Ext. 7940  
takashi_izumi@gunma-u.ac.jp | Our research projects aim to clarify turnover of cell membrane phospholipids on various kinds of stimulation, production of bioactive lipids (lipid mediators), signal transduction through their receptors, function of these bioactive lipids, and signal transduction after DNA damage, using methods of biochemistry, molecular biology and cell biology. Lipid mediators are involved in various pathological processes such as inflammation, allergy, cancer, neurological disorders. We are also working on omics analysis of protein and metabolite by mass spectrometry.  
[Keywords]  
Lipid mediator, Receptor, Signal transduction, DNA damage, Omics analysis |
| Integrative Physiology | Noriyuki Koibuchi  
Ext. 7920  
nkoibuchi@gunma-u.ac.jp | Small lipophilic hormones such as steroid and thyroid hormones play a crucial role in development and functional maintenance of various organs including the central nervous system. On the other hand, there are drugs and environmental chemicals whose constitutions are similar to those of these hormones. Such chemicals may disrupt endogenous hormone actions as either an agonist or antagonist. We study the effect of small lipophilic hormones on organ development and plasticity, and modulation by environmental chemicals and drugs on such process, using various techniques including behavioral analysis with gene modified animals, and cellular and molecular biological techniques.  
[Keywords]  
hormone, development, plasticity, regeneration, environmental factors, endocrine disruption |

*Due to retire in March 2018.
<table>
<thead>
<tr>
<th>Major Field</th>
<th>Contact Information</th>
<th>Main contents of research and key words</th>
</tr>
</thead>
</table>
| Neurophysiology and Neural Repair              | Hirokazu Hirai Ext. 7930 hirai@gunma-u.ac.jp | We are studying the mechanism underlying memory, learning and motor control as well as brain disorders and aging in terms of molecular, cellular, network and behavioral aspects. Our challenge includes development of novel therapies effective for the brain disorders. To pursue these aims, we are developing cutting-edge techniques such as novel viral vectors, genome editing technology and disease model non-human primates. Our laboratory has sufficient experimental setup to perform world top-level research.  
[Keywords] Memory, Learning, Motor control, Regenerative medicine, Viral vector, Neurodegenerative disease, Marmoset, Non-human primate model, Aging; Stem cell therapy, Gene therapy, Patch clamp. |
| Neurobiology and Behavior                       | Tomoaki Shirao Ext. 8050 tshirao@gunma-u.ac.jp | To understand the regulatory mechanisms of synapse morphology and function, we have studied the actin cytoskeleton in postsynaptic sites. For this research, primary cultured neurons, human iPS cells-derived neurons and knockout mice have been used with various experimental techniques including cell biology, biochemistry, molecular biology, neuronal cell culture, histochemistry, imaging and behavioral analysis. In addition, we have also studied about the effects of radiation on the synapses. These studies will shed light on the mechanisms of brain function and development of new diagnostic and therapeutic methods for neurological and psychiatric disorders.  
[Keywords] Synaptic morphology and function, Actin cytoskeleton, Imaging techniques, Human iPS cells-derived neurons, Radiation damage |
| Genetic and Behavioral Neuroscience             | Yuchio Yanagawa Ext. 7940 yuchio@gunma-u.ac.jp | We are studying the role of neurotransmitter GABA in brain functions such as emotion and the properties of GABAergic neurons through the generation and analyses of genetically engineered rodents such as conditional knockout mice and transgenic rats. We are also interested in the relationship between the deficits in GABAergic neurons and neuropsychiatric disorders. We have established model mice for schizophrenia or epilepsy and are characterizing them to elucidate the pathogenesis and/or pathophysiology of these disorders.  
[Keywords] neurotransmitter, GABA, knockout mice, transgenic rats, neuropsychiatric disorders, model mouse |
| Molecular Pharmacology and Oncology             | Masahiko Nishiyama Ext. 7960 m.nishiyama@gunma-u.ac.jp | Our department is home to research focused on (1) understanding biology of cancer to discover novel medical seeds (Basic Oncology), (2) understanding the mechanism of drug actions (Cancer Pharmacology), (3) developing new molecular diagnostics and cancer therapeutics including drug discovery and personalized medicine (Cancer Translational Research), based on the fundamental biology and OMICS research, which offers a broad range of basic and clinical research topics to educate professionals to become leaders in the fields of cancer pharmacology, translational research and R&D management specialists.  
[Keywords] Cancer Pharmacology, Basic Oncology, Cancer Translational Research, Drug Action Mechanism, Genome-based Cancer Drug Discovery, Cancer Biomarker |
| Bacteriology                                   | Haruyoshi Tomita Ext. 7990 tomita@gunma-u.ac.jp | Nosocomial infections caused by multi-drug resistant (MDR) bacteria have increased and become a worldwide social problem. Our research is focused on the major causative MDR bacteria including methicillin-resistant Staphylococcus aureus (MRSA), vancomycin-resistant enterococci (VRE), MDR Pseudomonas aeruginosa, and MDR Acinetobacter baumannii. The drug resistances and pathogenecities of MDR bacteria are examined by molecular biological methodology. The molecular mechanisms of bacterial genetic exchange system which is a significant factor for the spread of drug resistance and virulence genes are also studied.  
[Keywords] multi-drug resistant bacteria, VRE, MDRP, enterococcus, bacteriocin, conjugative plasmid, transposon |
<table>
<thead>
<tr>
<th>Region</th>
<th>Major Field</th>
<th>Contact Information</th>
<th>Main contents of research and key words</th>
</tr>
</thead>
</table>
| Basic Medicine | Parasitology | Hajime Hisaeda Ext. 8024 hisa@gunma-u.ac.jp | Malaria is one of the most life-threatening infections like AIDS and tuberculosis. Our research interest is host-parasite relationship in malaria. Specifically, immune responses to malaria parasites and pathogenesis of malaria parasites are analyzed in detail. We aim to develop vaccines and drugs to control malaria by revealing host-parasite relationship from both host and parasite points of view.  
【Keywords】Malaria, host-parasite relationship, immunity, vaccine |
| | Public Health | Hiroshi Koyama Ext. 8010 hkoyama@gunma-u.ac.jp | Public Health is the art and science to delineate the environmental and social determinants of health, and to reduce the harmful factors and to promote the supportive factors for health through the organized community efforts. Our research topics include, the protective effect of trace elements on the development of cancer and metabolic syndrome, analytical studies of trace elements using HPLC-ICP-MS method, depression screening-test for the suicide prevention, and the epidemiology of the relationship between QOL and insurance system and community organization. We also examine health equity and public health ethics.   
【Keywords】trace element, selenium, cancer prevention, depression screening, and epidemiology, public health ethics |
| Legal Medicine | Legal Medicine | Yoshihiko Kominato Ext. 8030 kominato@gunma-u.ac.jp | Legal medicine is essentially the application of scientific methods and techniques to matters involving the public: that covers a lot of ground. Every science from chemistry to medicine, from biology to statistics, from dentistry to anthropology, can be a forensic science if it has some applications to the law or public matter. Especially, our group has been focusing on personal identification, which is one of the important matters of legal medicine in Japan. We have performed researches on ABO blood group, which is one of the important genetic markers in human identification. Based on experimental procedures and human genetic analysis of weak phenotypes, we have investigated transcriptional regulation of the ABO gene.   
【Keywords】Legal medicine, personal identification, ABO blood group, transcription |
| Medical Philosophy and Ethics | Medical Philosophy and Ethics | Kenji Hattori Ext. 8037 hattori@gunma-u.ac.jp | Medical practices in the clinical setting as one of existential situations are fraught with troublesome problems in terms of actual human ways of life. Clinical ethics is tackling them by, not applying some general principles or abstract doctrines mechanically to every case, but paying close attention to the individual circumstances of each case. We have been involved in the groundwork for the methodology of clinical ethics from the perspective of hermeneutics and philosophy of literature. Ethical problems in preventive medicine, the method of teaching medical ethics, meta-ethical approaches to medical ethics, and critically examining the fundamental concepts such as health and disease, are also of our core concern.   
【Keywords】clinical ethics, medical ethics, philosophy of medicine, medical ethics education |
| Clinical Medicine | Cardiovascular Medicine | Masahiko Kurabayashi Ext. 8140 mkuraba@gunma-u.ac.jp | This department aims to elucidate the molecular mechanisms for a variety of cardiovascular disease, including atherosclerosis, arrhythmia, and heart failure. In particular, we have been interested in the identification of biomarkers that have incremental value for prevention of cardiovascular disease, and key molecules that are targetable by drugs. Furthermore, with the advent of human genome science as well as cell biology, we seek for the development of novel therapeutic strategies for atherosclerosis, fatal arrhythmia, and heart failure.   
【Keywords】vascular biology, atherosclerosis, heart failure, arrhythmia, myocardial infarction, transcription factors |
<table>
<thead>
<tr>
<th>Major Field</th>
<th>Contact Information</th>
<th>Main contents of research and key words</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory Medicine</td>
<td>Takeshi Hisada</td>
<td>Clinical and basic researches for allergy and respiratory diseases are needed more than ever in our aging society. We try to investigate the pathogenesis of these diseases to make them clear. Our oncology unit is focusing on the basic and clinical research for lung cancer. Using genetically modified mice, research for refractory respiratory diseases such as asthma, COPD and lung fibrosis have been investigated. [Keywords] lung cancer, allergic respiratory disease, COPD, lung fibrosis, infectious lung disease</td>
</tr>
<tr>
<td>Gastroenterology and Hepatology</td>
<td>Motoyasu Kusano</td>
<td>In Gastroenterology Unit, we investigate pathophysiology and evaluate therapy of gastroesophageal reflux disease (GERD), gastrointestinal motility disorder including esophageal motility disorder, using high resolution manometry (HRM), intraluminal impedance &amp; pH monitoring, gastric emptying assessed by 13C breath test, and frequency score for the symptom of GERD (FSSG). We started the new study entitled “association between inflammatory bowel disease and cellular stress response&quot;. In Hepatology Unit, main research themes are viral hepatitis, hepatocarcinogenesis, liver fibrosis and non-alcoholic steatohepatitis. We have investigated the pathogenesis of these disorders using animal models such as knockout mice, and analyzed clinical samples to establish new methods of the diagnosis and therapy. [Keywords] GERD, esophageal motility disorder, high resolution manometry, hepatocarcinogenesis, non-alcoholic steatohepatitis, knockout mice</td>
</tr>
<tr>
<td>Endocrinology and Metabolism</td>
<td>Masanobu Yamada</td>
<td>Endocrine metabolic system is an important biological signal transduction system, which transmits changes in a living body inside and outside to the target organ for eliciting appropriate biological responses. Collapse of this endocrine-metabolic system causes a variety of endocrine disorders, diabetes, and obesity, which reduces the patient’s quality of life and leads to life-threatening cardiovascular disorders and malignant tumor. We are aiming to gain new insight into the pathogenesis of these disorders and develop new diagnostic methods and treatment by using genetically modified animal models, human gene analyses of surgical specimen and analyses of intracellular signaling system using molecular biology techniques. [Keywords] lifestyle-related diseases, endocrine-metabolic disorders, diabetes mellitus, hypothalamus-pituitary-thyroid axis, adrenal gland, endocrine tumor</td>
</tr>
<tr>
<td>Nephrology and Rheumatology</td>
<td>Keiju Hiromura</td>
<td>We are studying the molecular mechanisms of glomerular and tubulointerstitial injuries and renal tubular regeneration and trying to develop how to control renal injuries and regeneration. We are also examining the role of dendritic cells in renal diseases and autoimmune diseases. To investigate these research questions, we are using genetically modified animals and animal models of human diseases in vivo and several kinds of cultured cells in vitro. In addition, we are exploring and evaluating biomarkers for diagnosis or prognosis of renal and rheumatic diseases, using patients’ urine and tissue samples. [Keywords] nephrology, rheumatology, autoimmune disease, regeneration medicine, biomarkers</td>
</tr>
<tr>
<td>Hematology</td>
<td>Hiroshi Handa</td>
<td>We study genetic polymorphism and epigenome, comprehensive analysis of RNA, non-coding RNA, microRNA by Next Generation Sequencing (NGS), the carbohydrate metabolism to elucidate the mechanism of the development and the progression of hematologic malignancies. We also conduct study about genetic polymorphism relevant to opportunistic infection in HIV patients, genome wide analysis in congenital coagulation disorder in cooperation with other institutions including in foreign countries. Student will learn NGS, gene introduction into tumor cells and methods of clinical statistics to search a factor associated with disease development, taking advantage of hematologic disorder to be easy to obtain a specimen from human. [Keywords] hematologic malignancy, genome, epigenome, coagulation disorder, HIV, Next Generation Sequencer</td>
</tr>
<tr>
<td>Region</td>
<td>Major Field</td>
<td>Contact Information</td>
</tr>
<tr>
<td>------------------------</td>
<td>-----------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td></td>
<td>Neurology</td>
<td>Yoshio Ikeda Ext. 8060 <a href="mailto:ikeday006@gunma-u.ac.jp">ikeday006@gunma-u.ac.jp</a></td>
</tr>
<tr>
<td></td>
<td>Cardiovascular Surgery</td>
<td>Toru Takahashi Ext. 8245 <a href="mailto:torutaka@gunma-u.ac.jp">torutaka@gunma-u.ac.jp</a></td>
</tr>
<tr>
<td></td>
<td>General Thoracic Surgery</td>
<td>Akira Mogi Ext. 8224 <a href="mailto:akmogi@gunma-u.ac.jp">akmogi@gunma-u.ac.jp</a></td>
</tr>
<tr>
<td></td>
<td>Gastroenterological Surgery</td>
<td>Hiroyuki Kuwano Ext. 8220 <a href="mailto:hkuwano@gunma-u.ac.jp">hkuwano@gunma-u.ac.jp</a></td>
</tr>
<tr>
<td></td>
<td>Breast and Endocrine Surgery</td>
<td>Jun Horiguchi Ext. 8245 <a href="mailto:junhorig@gunma-u.ac.jp">junhorig@gunma-u.ac.jp</a></td>
</tr>
</tbody>
</table>

*Due to retire in March 2018.
<table>
<thead>
<tr>
<th>Major Field</th>
<th>Contact Information</th>
<th>Main contents of research and key words</th>
</tr>
</thead>
</table>
| Hepatobiliary and Pancreatic Surgery | Ken Shirabe  
Ext. 8800  
kshirabe@gunma-u.ac.jp | In Department of Hepatobiliary and Pancreatic Surgery, main theme in basic research field, for overcoming refractory cancer, such as hepatobiliary and pancreatic cancer is microenvironment of cancer. In the clinical research field, important theme is new evaluation for liver function, sarcopenia, and laparoscopic surgery in hepatobiliary and pancreatic surgery in safe manner. For developing research, we will send young surgeons to outstanding research center.  
[Keywords] cancer microenvironment, hepato-biliary and pancreatic cancer, liver transplantation, sarcopenia, and laparoscopic surgery for hepato-biliary and pancreatic disease. |
| Pediatric Surgery                 | Makoto Suzuki  
Ext. 8224  
suzuki-m@gunma-u.ac.jp | We cooperate with other divisions of surgery and organize multidisciplinary research. Our main research subjects are development of new diagnostic and treatment methods with minimally invasive approach. In particular, we study the minimally invasive diagnosis using circulating tumor cells for childhood cancer, the development of new instruments in minimally invasive surgery, and the relation between gastro-intestinal motility and enterobacterial flora after total colectomy for ulcerative colitis.  
[Keywords] Surgical oncology, Circulating tumor cells, Minimally invasive surgery, Gastro-intestinal motility, Enterobacterial flora |
| Radiation Oncology                | Takashi Nakano  
Ext. 8380  
tnakano@gunma-u.ac.jp | The Department of Radiation Oncology practices radiation therapy for various cancers comprehensively. It undertakes basic research on radiation induced apoptosis, modulation of radiation sensitivity by cell cycle regulatory proteins, hypoxia, cell- proliferation proteins, oncogenes, and cancer vasculature. In addition, clinical researches on heavy ion radiotherapy, combination of molecular targeted therapy with radiation, image based brachytherapy, and high precision radiotherapy (IMRT,SBRT, etc) are extensively conducted and promoted.  
[Keywords] radiation therapy, heavy ion therapy, radiation biology, radiation oncology, radiation pathology |
| Diagnostic Radiology and Nuclear Medicine | Yoshiito Tsushima  
Ext. 8400  
yoshitotsushima@gunma-u.ac.jp | Incredible advances in medical imaging technology have followed the discovery of X-ray, CT, PET and SPECT use radiation. MRI and Ultrasound do not. All of these modalities are widely used in modern medicine. Interventional radiology and radioisotope therapy use image-guided, minimally invasive techniques to contribute to patient care. This field researches new imaging technology such as combining morphological and functional imaging, and develops “patient-friendly” treatment methods such as those in interventional radiology and radioisotope therapy.  
[Keywords] Diagnostic Radiology, Nuclear Medicine, CT, MRI, US, SPECT, PET, Interventional Radiology |
| Psychiatry and Neuroscience       | Masato Fukuda  
Ext. 8180  
fukuda-pay@gunma-u.ac.jp | Development in neurosciences and brain sciences is just revealing brain dysfunctions for etiology and pathophysiology of psychiatric disorders using neuroimaging and genetic studies. Department of Psychiatry and Neuroscience endeavors to clarify etiology and pathophysiology of “mental dysfunction” employing structural neuroimaging such as MRI, functional neuroimaging such as PET and NIRS, neurophysiology such as MEG, neuroendocrine stress responses such as DST, and animal model of psychiatric disorders.  
[Keywords] psychiatric disorder, neuroimaging, stress, mental illness, brain function |
<table>
<thead>
<tr>
<th>Region</th>
<th>Major Field</th>
<th>Contact Information</th>
<th>Main contents of research and key words</th>
</tr>
</thead>
</table>
|        | Anesthesiology | Shigeru Saito Ext. 8450 shigerus@gunma-u.ac.jp | Development in neurosciences and brain sciences is just revealing consciousness, pain sensation, and brain dysfunctions objectively by using neuroimaging and/or genetic studies. Department of Anesthesiology endeavors to clarify origin of consciousness and pain perception, and to modify such neuronal functions pharmacologically. In addition to classical biochemical, physiological and anatomical strategies, modern genetic and fMRI methods are employed to investigate Anesthesiology topics. Pharmaceutical, pharmacodynamic and behavioral approaches are also adopted for both of clinical and basic pain researches.  
  **[Keywords]** anesthesia, neuroimaging, consciousness, pain, brain function |
|        | Emergency Medicine | Kiyohiro Oshima Ext. 8540 kiyohiro@gunma-u.ac.jp | (Basic research)  
  · Experimental study for the investigation and the inhibition of reperfusion injury in multi-organs following cardiopulmonary resuscitation (CPR)  
  · Experimental study of the coagulation in severe emergent conditions (Clinical research)  
  · Study of clinical factors to predict the prognosis in patients with cardiopulmonary arrest  
  · Study of clinical factors to predict the injury severity in patients with severe trauma  
  · Study of clinical factors to predict the prognosis in elderly emergent patients  
  · Study of clinical factors to predict blood transfusion in patients with severe trauma  
  · Study of the relationship between vascular disease and periodontopathic bacteria in ER patients  
  · Study of lipid metabolism in critical patients (especially, the change of apoC1)  
  **[Keywords]** cardiopulmonary arrest, cardiopulmonary resuscitation, severe trauma, reperfusion injury, coagulation |
|        | General Practice Medicine | Junichi Tamura Ext. 8665 jtamura@gunma-u.ac.jp | In our department, we are going to study about many problems in gerontology, especially methods of nutrition for old people. We are interested in the effects of the lack of trace elements on immune systems or protection to infectious disease.  
  **[Keywords]** general medicine, gerontology, primary care, nutrition |
|        | Rehabilitation Medicine | Naoki Wada Ext. 8655 nwada@gunma-u.ac.jp | Rehabilitation medicine is a transverse field of diagnostic as well as therapeutic medicine for infant-to-elder patients with a great variety of diseases. The course of rehabilitation medicine consists of basic knowledge of rehabilitation medicine, which are kineology, central and peripheral nerve system, respiratory, cardiac systems and psychiatry. The students discuss the methods for evaluation of disabilities and the equipment for the measurements. The indications of scales, rating scores and other evaluation methods for functional and mental disorders will be studied. Biological and cytological methods are also applied to the analysis, and the cellular reaction by physical stimulation will be observed. Statistical analysis will be indicated for the measurements and evaluations. Investigation of the results and publishing some conclusions in the journal is the purpose of the courses.  
  **[Keywords]** disability medicine, diagnostic medicine, therapeutic medicine |
<table>
<thead>
<tr>
<th>Major Field</th>
<th>Contact Information</th>
<th>Main contents of research and key words</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Laboratory Medicine</td>
<td>Masami Murakami</td>
<td>The following studies are conducted in our department. 1) Studies on the genetic analysis and preventive medicine: The development and clinical application of new methods for clinical laboratory testing including genetic analysis. 2) Studies on the lifestyle-related diseases and atherosclerosis: The clinical and basic studies of lifestyle-related diseases including obesity, diabetes mellitus and dyslipidemia that result in atherosclerosis, especially focusing on energy expenditure, glucose metabolism, lipid metabolism, and insulin and thyroid hormone actions. 3) Studies on the sports medicine: The application of novel biomarkers to support training of athletes. 4) Studies on the infection control: The study of infection control in the hospital, including the detection of drug resistant bacteria and the prevention of viral infection. <strong>Keywords</strong>: genetic analysis, preventive medicine, lifestyle-related diseases, atherosclerosis, sports medicine, infection control</td>
</tr>
<tr>
<td>Human Pathology</td>
<td>Hideaki Yokoo</td>
<td>Pathology has dual aspects, one is basic science, and the other is clinical medicine practicing diagnostic works. Currently, the Department of Human Pathology is positioned in the clinical group. We routinely carry out pathological diagnosis (biopsy, cytology, autopsy), and also explore pathologic basis of diseases as well as novel therapy. Especially, our research group consistently plays a central role of brain pathology of Japan for decades. <strong>Keywords</strong>: human pathology, neuropathology, molecular pathology, diagnostic pathology, brain tumor, translational research</td>
</tr>
<tr>
<td>Diagnostic Pathology</td>
<td>Tetsunari Oyama</td>
<td>Our department has focused on “cancer”, especially on tumor pathology and diagnostic pathology. Various organs, for example, breast, uterine cervix, oral and head and neck, bone and soft tissue, prostate and digestive organs are our subjects of research. Clinicopathological approach with surgical specimens is our main method about carcinogenesis, cancer progression and cancer therapy. Recent projects in our department are as to mutation of oncogene and suppressor gene and expression of cancer related proteins. We have been studying on HPV infection and carcinogenesis. <strong>Keywords</strong>: cancer, tumor pathology, oncogene, tumor progression, protein expression, breast</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>Hirokazu Arakawa</td>
<td>Various diseases in children are closely related to the growth and development of individuals. In addition, the diseases may be caused by breakdown of defense mechanism and homeostasis in response to ambient stimuli. Our aim is to reveal the mechanisms of mucosal immunity related to several infections, the role of autophagy needed to maintenance of intracellular homeostasis, and new genetic mutation and epigenetics related to development of diseases. <strong>Keywords</strong>: Allergic diseases, neurodegenerative disorder, acute leukemia, nephrosis, inflammatory bowel diseases.</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>Hiroshi Kishi</td>
<td>The understanding of hormonal effects and interactions on the hypothalamo-pituitary-ovarian axis is important for comprehending reproductive physiology and pathophysiology. The hormones work on the axis in a well-coordinated way and maintain physiological homeostasis. The aim of our research is to understand the functions of hormones at the molecular level, leading to the discovery of biologically active substances such as hormones and growth factors and their functional mechanisms. Our research involves the interrelationship between structures and functions of hormone receptors to elucidate the functions and mechanisms of actions of gonadotropin receptors. <strong>Keywords</strong>: LH receptor, FSH receptor, mutation, intracellular signal transduction, Vitamin A</td>
</tr>
<tr>
<td>Region</td>
<td>Major Field</td>
<td>Contact Information</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Urology</td>
<td>Kazuhiro Suzuki&lt;br&gt;Ext. 8300&lt;br&gt;<a href="mailto:kazu@gunma-u.ac.jp">kazu@gunma-u.ac.jp</a></td>
<td>Our department has focused on understanding of the pathophysiology of prostate cancer. Basic studies cover genetic analysis, the role of lipids and intratumoral hormonal environments. Clinical studies cover the role of the tumor marker PSA and screening of prostate cancer.&lt;br&gt;<strong>[Keywords]</strong>&lt;br&gt;Urological tumor, prostate cancer, androgen dependency, screening, urological disease</td>
</tr>
<tr>
<td>Neurosurgery</td>
<td>Yuhei Yoshimoto&lt;br&gt;Ext. 8510&lt;br(<a href="mailto:yyoshimo@gunma-u.ac.jp">yyoshimo@gunma-u.ac.jp</a>)</td>
<td>Neurosurgical science had been evolved remarkably for recent 10 years with the introduction of new devices, including an endovascular catheter, an endoscope, and intraoperative monitoring systems, etc. These technical innovations make it possible to approach neurosurgical diseases with minimally invasive way. We will understand more deeply central nervous system, anatomically, pathologically, and biochemically, and develop pre, and intraoperative neurophysiological, and imaging studies. Then, we pursue the truly sophisticated treatment for neurosurgical diseases.&lt;br&gt;<strong>[Keywords]</strong>&lt;br&gt;micro-neurosurgery, interventional radiology, endoscopic neurosurgery, intraoperative imaging, intraoperative neurophysiology</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>Hideo Akiyama&lt;br&gt;Ext. 8338&lt;br&gt;<a href="mailto:akiyamah47@gunma-u.ac.jp">akiyamah47@gunma-u.ac.jp</a></td>
<td>We are investigating 1) the mechanisms of pathogenesis in fundus diseases with optical coherence tomography (OCT) and 2) the lifetime of phosphorescence from iridium complex to develop a new system which can measure oxygen partial pressure in retinal tissue. Furthermore, our concern is also 3) the molecular mechanisms of damages in photoreceptor after retinal detachment using animal models.&lt;br&gt;<strong>[Keywords]</strong>&lt;br&gt;hematologic malignancy, genome, epigenome, coagulation disorder, HIV, Next Generation Sequencer</td>
</tr>
<tr>
<td>Otolaryngology&lt;br&gt;Head and Neck Surgery</td>
<td>Kazuaki Chikamatsu&lt;br&gt;Ext. 8350&lt;br&gt;<a href="mailto:tikamatsu@gunma-u.ac.jp">tikamatsu@gunma-u.ac.jp</a></td>
<td>Antitumor immunity plays an important role in protection against the development of malignancy. However, with a developing tumor, tumor cells acquire various mechanisms to corrupt the host antitumor responses, escape from immune surveillance system, and grow in the host. The followings are current studies being conducted:1) Immunological analysis of T cells in patients with head and neck cancer 2) Analysis of interaction between tumor cells and stromal cells in head and neck cancer&lt;br&gt;<strong>[Keywords]</strong>&lt;br&gt;Head and neck cancer, immunosuppression, cancer vaccine, tumor microenvironment</td>
</tr>
<tr>
<td>Dermatology</td>
<td>Osamu Ishikawa&lt;br&gt;Ext. 8280&lt;br&gt;<a href="mailto:osamuishi@gunma-u.ac.jp">osamuishi@gunma-u.ac.jp</a></td>
<td>Our research goal is “Bedside to Bench and Bench to Bedside” to cure and care patients suffering from diseases of unknown etiology or intractable diseases. Our experienced staff supervises and assists you to publish the high-quality paper to the world. Our main research themes are as follows: systemic sclerosis, dermatomyositis, viral infection, wound healing, cutaneous malignant neoplasms, and hereditary disease.&lt;br&gt;<strong>[Keywords]</strong>&lt;br&gt;Skin, autoimmune rheumatic disease, cutaneous malignant neoplasms, wound healing, hereditary diseases</td>
</tr>
<tr>
<td>Plastic Surgery</td>
<td>Satoshi Yokoo&lt;br&gt;Ext. 8480&lt;br&gt;<a href="mailto:syokoo@gunma-u.ac.jp">syokoo@gunma-u.ac.jp</a></td>
<td>Present research theme&lt;br&gt;1) Epithelialization in oral mucous wound healing in terms of energy metabolism.&lt;br&gt;2) Cytological evaluation in odontogenic cyst-lining keratinocyte.&lt;br&gt;3) Oral and maxillofacial reconstruction with vascularised free flaps.&lt;br&gt;4) Evaluation of treatment strategy of oral cancer.&lt;br&gt;5) Effects of pilocarpine and isoproterenol on aquaporin-5 expression in salivary gland&lt;br&gt;6) Clinical and experimental study of endodontic microsurgery for extensive radicular cyst.&lt;br&gt;7) Surgical study of jaw deformity&lt;br&gt;<strong>[Keywords]</strong>&lt;br&gt;oral mucous wound healing, oral and maxillofacial reconstruction, oral cancer, salivary gland, jaw deformity</td>
</tr>
<tr>
<td>(Link)</td>
<td>Major Field</td>
<td>Contact Information</td>
</tr>
<tr>
<td>--------</td>
<td>-------------</td>
<td>---------------------</td>
</tr>
<tr>
<td></td>
<td><strong>Clinical Medicine</strong></td>
<td></td>
</tr>
<tr>
<td>Orthopaedic Surgery</td>
<td>Hirotaka Chikuda Ext. 8260 <a href="mailto:chikudah@gunma-u.ac.jp">chikudah@gunma-u.ac.jp</a></td>
<td>Nowadays, it is important to facilitate the maintenance and improvement of bone and joint function. The aim of our department contributes further to the development of musculoskeletal medicine through research, maintenance of health, prevention of diseases, development of public health in both mind and body mainly through sports medicine, support for the handicapped, and extension of social welfare services for the aged. <strong>[Keywords]</strong> Osteoarthritis, spondylotic deformans, joint arthroplasty, sports injury, musculo-skeletal tumor</td>
</tr>
<tr>
<td>Clinical Pharmacology</td>
<td>Koujirou Yamamoto Ext. 8743 <a href="mailto:koujiro@gunma-u.ac.jp">koujiro@gunma-u.ac.jp</a></td>
<td>Recently, many new drugs with novel mechanisms have produced to improve the clinical efficacy of drug therapy, however, the development of new drugs also have produced a lot of new problems to be solved. In the pharmacotherapy, the choice of appropriate therapy or drug for each individual patient is imperative. To establish safe and effective pharmacotherapy, we focus the variation factors for clinical efficacy of drug therapy for several diseases with gene analysis and pharmacokinetic approaches. <strong>[Keywords]</strong> Clinical pharmacology, pharmacokinetics, genetic polymorphisms, individualization of drug therapy</td>
</tr>
<tr>
<td>Oral and Maxillofacial Surgery</td>
<td>Satoshi Yokoo Ext. 8480 <a href="mailto:syokoo@gunma-u.ac.jp">syokoo@gunma-u.ac.jp</a></td>
<td>Present research theme 1) Epithelialization in oral mucous wound healing in terms of energy metabolism. 2) Cytological evaluation in odontogenic cyst-lining keratinocyte. 3) Oral and maxillofacial reconstruction with vascularised free flaps. 4) Evaluation of treatment strategy of oral cancer. 5) Effects of pilocarpine and isoprotenerol on aquaporin-5 expression in salivary gland. 6) Clinical and experimental study of endodontic microsurgery for extensive radicular cyst. 7) Surgical study of jaw deformity <strong>[Keywords]</strong> oral mucous wound healing, oral and maxillofacial reconstruction, oral cancer, salivary gland, jaw deformity</td>
</tr>
<tr>
<td><strong>Cooperative Department and Joint Department</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical Trials and Regulatory Science</td>
<td>Tetsuya Nakamura Ext. 8740 <a href="mailto:nakamurt@gunma-u.ac.jp">nakamurt@gunma-u.ac.jp</a></td>
<td>Clinical trials and research are advanced very rapidly and changed dramatically in recent years. We conduct and support a variety of clinical trials in our hospital and in our community to establish highly qualified clinical evidence. We continuously improve our knowledge and skills about trial design, data management, statistical methods, regulatory science or ethical issues in daily practice. We are trying to open a door for new world of clinical research science. <strong>[Keywords]</strong> clinical research, study design, statistics</td>
</tr>
<tr>
<td>Medical Informatics</td>
<td>Yuichiro Saito (Associate Professor) Ext. 8771 <a href="mailto:saitoyui@gunma-u.ac.jp">saitoyui@gunma-u.ac.jp</a></td>
<td>Today’s rapid growth of hospital information systems produces huge amount of data and excellent infrastructure to let clinicians to access them. This seminar aims to learn methodology contributing human health care using medical information system. It has been exploring and presenting required data via hospital information system using ubiquitous computing technologies. <strong>[Keywords]</strong> medical information, health care, hospital information system</td>
</tr>
<tr>
<td>Molecular Traffic</td>
<td>Ken Sato Ext. 8840 <a href="mailto:sato-ken@gunma-u.ac.jp">sato-ken@gunma-u.ac.jp</a></td>
<td>Membrane trafficking plays essential roles not only in secretion and nutrient uptake but also in various physiological processes such as those involving the endocrine system, metabolic system, and nervous system in animals. In our laboratory, we study the molecular mechanisms and physiological functions of membrane trafficking in multicellular organisms by using the nematode Caenorhabditis elegans and mice as model systems. In addition, we study the molecular mechanisms underlying protein-misfolding diseases, in which abnormal membrane proteins accumulate in the endoplasmic reticulum (ER) in order to discover new targets for the treatment of such diseases. <strong>[Keywords]</strong> Membrane trafficking, Secretion, Metabolism, Development, Model animal</td>
</tr>
<tr>
<td>Major Field</td>
<td>Contact Information</td>
<td>Main contents of research and key words</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>----------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Medical Neuroscience                            | Akiko Hayashi-Takagi Ext. 8850 hayashitakagi@gunma-u.ac.jp | The deterioration of the synapses has attracted attention as the pathophysiology of neuropsychiatric disorders. Thus, we examine the relationship between the structural and functional property of synapse and behavioral manifestations by utilizing in vivo 2-photon imaging. Furthermore, we also utilize novel optogenetic tools, which can manipulate the plasticity of the synapse in order to alter neurocircuits by extension changing the behaviors. By these two strategies, we pursue the cellular mechanism of neuropsychiatric disorders to identify a novel therapeutic target for disorders.  
[Keywords]  
Neuropsychiatric disorders, synapse, 2-photon imaging, signal transduction, drug discovery |
| Secretion Biology                               | Seiji Torii (Associate Professor) Ext. 8859 storii@gunma-u.ac.jp | With the decrease of neuroendocrine function, a variety of diseases increase, which include metabolic syndrome and neuronal disorders. To understand fundamental mechanisms on such human diseases, we investigate the biosynthesis and secretion of peptide hormones, and the regulation of cell survival and death, with use of molecular and cellular technical approaches. In a collaborative study with some engineering researchers, we are developing new compounds or fluorescent probes for analyzing cancer, diabetes, and ischemia.  
[Keywords]  
Endocrine cells, Peptide hormones, Insulin, Molecular imaging, Reactive oxygen species, Perforptosis |
| Molecular Membrane Biology                      | Miyuki Sato (Associate Professor) Ext. 8843 m-sato@gunma-u.ac.jp | Eukaryotic cells are composed of several membrane-bound organelles. The shape and composition of cells are dynamically regulated during cell differentiation and are also influenced by various changes in the extracellular environment. We are interested in the regulation of organelle dynamics during animal development and use C. elegans as a model system. In particular, we explore the mechanisms and physiological roles of autophagy and endocytosis in fertilized eggs by using genetic and cell biological approaches.  
[Keywords]  
C. elegans, embryonic development, organelle, autophagy, endocytosis |
| Molecular Endocrinology and Metabolism          | Tetsuro Izumi Ext. 8856 tizumi@gunma-u.ac.jp | To understand the physiopathology of multicellular organisms, it is important to know how differentiated cells communicate with each other to regulate their function as a whole body. We especially focus on the basic biology of pancreatic beta cells, adipocytes, and immune cells, because of their involvement in the pathogenesis of endocrine and metabolic diseases such as diabetes and obesity. We approach these themes at multiple levels from molecules to whole body, and by using varying techniques of molecular biology, biochemistry, cell biology, and genetics.  
[Keywords]  
generically modified mouse, regulated exocytosis, endocrine and metabolic disease, live cell imaging, cell sorting |
| Developmental Biology and Metabolism            | Yoshio Fujitani Ext. 8855 fujitani@gunma-u.ac.jp | The dysfunction of pancreatic beta cells, brown adipocytes, and enterocytes can cause diabetes and metabolic syndrome. Our goal is to elucidate the molecular mechanism involved in the maintenance of homeostasis of these higher-order function cells, which is the key to glucose metabolism. We aim to elucidate the mechanism of cellular homeostasis, from a variety of viewpoints, including developmental biology, zinc biology, autophagy, and cell polarity, by effectively utilizing genetically engineered mice. Furthermore, using our findings from basic medical research, we aim to establish a groundbreaking treatment for diabetes and obesity.  
[Keywords]  
diabetes, glucose metabolism, developmental biology, pancreatic beta cells, genetically engineered mice, brown adipocytes, zinc biology, autophagy, enterocytes |
<table>
<thead>
<tr>
<th>Major Field</th>
<th>Contact Information</th>
<th>Main contents of research and key words</th>
</tr>
</thead>
</table>
| Metabolic Signaling                             | Tadahiro Kitamura Ext. 8845  | In this laboratory, we are trying to elucidate the molecular mechanism by which metabolic syndrome occurs, using genetically manipulated animal models, such as knockout mice or transgenic mice. We hope that our research will contribute to the development of new strategies to treat or prevent diabetes and obesity.  
[Keywords] diabetes, obesity, metabolic syndrome, transcription factor, knockout mouse, insulin glucagon |
| Laboratory of Epigenetics and Metabolism         | Takeshi Inagaki Ext. 8835    | Epigenetic regulation of gene expression is independent of genomic sequence and therefore can flexibly respond to environmental factors. We are currently investigating various epigenetic mechanisms by which the environmental factors are linked to metabolic diseases. Main focus of our research is histone modification which regulates gene expression through changing chromatin structure and cofactor recruitment. Using techniques of transcriptomics, epigenetics, proteomics and animal models, we intend to elucidate the detail mechanisms of epigenetic regulations of energy metabolism and adipose cell development.  
[Keywords] Epigenome, metabolic diseases, energy metabolism, transcription, chromatin structure |
| Molecular Genetics                               | Takayuki Yamashita Ext. 8830 | Cells are constantly exposed to diverse genotoxic and proteotoxic stresses derived from environmental and intrinsic sources. Cellular responses to these stresses play essential roles in oncogenesis, degeneration and aging. Our research focuses on the molecular mechanisms underlying the cellular responses to DNA replication stress and heat shock and their pathological functions in cellular senescence and oncogenic transformation.  
[Keywords] DNA replication stresses, Heat shock response, Cellular senescence, Genomic instability, Oncogenesis |
| Genome Sciences                                  | Izuho Hatada Ext. 8057       | Epigenetics is the study of heritable codes other than genetic codes written in A.G. C, and T. Monozygotic twins have the same genetic information; however, they have different epigenetic information and phenotype. DNA methylation and histone modifications (acetylation and methylation) serve as epigenetic code. Epigenetic status, namely, epigenome, is thought to be influenced by the environment, such as food, infection, and chemicals. This reprogramming of the epigenome by the environment could cause diseases such as cancer, and diabetes. We are going to clarify the role of epigenetic anomalies in diseases such as cancer, diabetes and obesity.  
[Keywords] epigenetics, epigenome, DNA methylation, microarray, genome-wide analysis |
| Laboratory of Integrated Signaling Systems      | Tehru Ishitani Ext. 8892     | Morphogen signaling systems, such as Wnt signaling, plays crucial roles in animal tissue morphogenesis and homeostasis, and dysregulation of morphogen signaling causes a variety of diseases, including cancer, metabolic diseases, and neurological diseases. Our laboratory investigates the regulatory mechanisms of morphogen signaling systems and also searches for unknown signaling systems that regulate tissue morphogenesis and homeostasis, using in vivo imaging, biochemistry, and molecular genetics. Especially, we are now focusing on “cell competition”, a new system supporting animal tissue homeostasis.  
[Keywords] signal transduction, morphogen, cell competition, in vivo imaging, disease model |
| Medical Physics and Biology for Ion Therapy     | Masami Torikoshi Ext. 8378   | In this course, we aim to nurture researchers in the field of medical physics who are indispensable for ensuring the reliability of radiation therapy through sophisticated research and credible study of heavy ion and x-ray radiotherapies. To improve radiation therapy, we carry out in vitro and in vivo experiments regarding a variety of radiation-induced biological phenomena. Another important purpose of this course is to increase the expertise of those radiobiology specialists involved in radiation therapy.  
[Keywords] Radiation therapy, particle therapy, medical physics, accelerator, radiation biology |
<p>|                                               | Akihisa Takahashi Ext. 7917  |                                                                                                                                         |
|                                               | <a href="mailto:a-takahashi@gunma-u.ac.jp">a-takahashi@gunma-u.ac.jp</a>    |                                                                                                                                                                                                                                       |</p>
<table>
<thead>
<tr>
<th>Region</th>
<th>Major Field</th>
<th>Contact Information</th>
<th>Main contents of research and key words</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Heavy Ion Clinical Medicine</td>
<td>Tatsuya Ohno Ext. 8378 <a href="mailto:tohno@gunma-u.ac.jp">tohno@gunma-u.ac.jp</a></td>
<td>Heavy ion radiotherapy for malignant tumors has several biophysical advantages compared with photon therapy. Heavy ion clinical medicine includes clinical oncology, tumor pathology, radiobiology, medical physics and engineering, diagnostic radiology, and image-guided therapy. This course is implemented to understand that the radiation oncology including heavy ion radiotherapy is comprehensive medical science which integrates and systematizes these wide varieties of scientific subfields to attain successful cancer treatment. <strong>Keywords</strong> Heavy ion radiotherapy, Multimodality cancer therapy, Biological response, high LET, Hypofractionation, Image-guided adaptive radiotherapy</td>
</tr>
<tr>
<td></td>
<td>Quantum Biology</td>
<td>Takasaki Advanced Radiation Research Institute, National Institutes for Quantum and Radiological Science and Technology Yasuyuki Ishii Yasuhiko Kobayashi Contact to Admissions Section, Educational Affairs office</td>
<td>Using the features of physical and biological effects of ion beam, the new method for analyzing biofunction which was very difficult to be analyzed in conventional technology will be developed to perform the functional analysis at each level of a molecule, a cell, and an organ. The following analysis methods will be established: analysis of cell function based on the element distribution in the cell using micro-PIXE (Particle Induced X-ray Emission) or measurement of dynamics of trace elements contained in drugs, contaminants, or substances transmitting information inside and outside the cell; analysis of inactivation of specific organ in the cell by microbeam irradiation of body tissues / cultured cell line and crosstalk within the cell; analysis of crosstalk between cells by inactivation of specific cell in living tissue. Also, the influence of irradiating living cells with an ion (single ion irradiation) will be analyzed at the molecular level. The mechanism of cell response under stress or by exposure to radiation such as apoptosis, genome instability, mutagenesis, and carcinogenesis will be elucidated with those analysis methods aiming to nurture the researchers who play a leading role in advanced medical research. <strong>Keywords</strong> ion beam, cell metabolic function, micro-PIXE, crosstalk between cells, single ion irradiation, stress damage, cell response mechanism</td>
</tr>
</tbody>
</table>
出願書類
Application Documents

社会人入試用の書類（入学願書・履歴書、写真票・受験票、受験及び就学承諾書）は、巻末（ピンク色）の用紙を使用してください。

Be sure to use the pink forms attached to our Admission Guidelines’ end as documents (Application form, Curriculum Vitae, Photograph Card, Examination Card, Written approval for taking examination and school attendance) for selection for working members of society.
# 平成29年度10月入学群馬大学大学院医学系研究科医学科学専攻(博士課程)

## 入学願書

October 2017 Course of Medical Sciences in Graduate School of Medicine, Gunma University (Doctoral Program)

Application Form

<table>
<thead>
<tr>
<th>受験番号</th>
<th>Examinee’s Number</th>
<th>※</th>
</tr>
</thead>
<tbody>
<tr>
<td>フリガナ</td>
<td>Name</td>
<td>性別 Sex</td>
</tr>
<tr>
<td>氏名</td>
<td></td>
<td>男・女 Male・Female</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>生年月日 Birth Date</th>
<th>(西暦) A. D.</th>
<th>年月日</th>
<th>頃</th>
<th>年齢</th>
<th>巻</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>志望する領域及び専攻分野 Desired Region and Major Field</th>
<th>領域 Region</th>
<th>専攻分野 Major Field</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>国籍 Nationality</th>
<th>現住所</th>
<th>TEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>現住所 (入試に係る連絡先)</td>
<td>受取情報のための連絡先</td>
<td>手机</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>出身大学等 (学部等) University etc. graduated (Department etc.)</th>
<th>名</th>
<th>現住所</th>
</tr>
</thead>
<tbody>
<tr>
<td>国立</td>
<td>名</td>
<td>現住所</td>
</tr>
<tr>
<td>公立</td>
<td>名</td>
<td>現住所</td>
</tr>
<tr>
<td>私立</td>
<td>名</td>
<td>現住所</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>本人以外の入試に関する連絡先 (家族等) Contact address for exam other than your current address (such as your family address)</th>
<th>名</th>
<th>現住所</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>職歴 Personal History</th>
<th>年月日入学～年月日卒業</th>
<th>年月日入学～年月日卒業</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>（記入上の注意）Notes on filling in</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 必要事項は、青又は黒のボールペンを用いて楷書で正確に記入してください。</td>
</tr>
<tr>
<td>2 有職者の方は、職歴欄に勤務先及び職業を詳細に記入してください。</td>
</tr>
<tr>
<td>3 現住所は、通知・照会等を確実に受けとることができる場所を記入してください。</td>
</tr>
<tr>
<td>4 ※欄は記入しないでください。</td>
</tr>
<tr>
<td>5 学歴欄には研究、専攻生等の履歴も記入してください。</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Notes on filling in</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Fill in the above application form in the block style and accurately by using a blue or black ball-point pen.</td>
</tr>
<tr>
<td>2 Fill in your working place and occupation minutely if you are a working person.</td>
</tr>
<tr>
<td>3 Fill in the current address where notice and inquiry, etc. can be received without fail.</td>
</tr>
<tr>
<td>4 Do not fill in the “#box.”</td>
</tr>
<tr>
<td>5 Fill in the “Educational Background box” with your background such as research student, post-graduate student, etc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>記入上の注意</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 必要事項は、青又は黒のボールペンを用いて楷書で正確に記入してください。</td>
</tr>
<tr>
<td>2 有職者の方は、職歴欄に勤務先及び職業を詳細に記入してください。</td>
</tr>
<tr>
<td>3 現住所は、通知・照会等を確実に受けとることができる場所を記入してください。</td>
</tr>
<tr>
<td>4 ※欄は記入しないでください。</td>
</tr>
<tr>
<td>5 学歴欄には研究、専攻生等の履歴も記入してください。</td>
</tr>
</tbody>
</table>

(1/2)
履 歴 書 （Curriculum Vitae）

Educational background

<table>
<thead>
<tr>
<th>Name and Address of School</th>
<th>Year and Month of Entrance and Completion</th>
<th>Duration of Attendances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name (学校名及び所在地)</td>
<td>From (入学)</td>
<td>Years (年)</td>
</tr>
<tr>
<td>Address (所在地)</td>
<td>To (卒業)</td>
<td>and months (月)</td>
</tr>
</tbody>
</table>

Elementary Education (初等教育)

| Name (学校名) | From (入学) | Years (年) |
| Address (所在地) | To (卒業) | and months (月) |

Secondary Education (中等教育)

| Name (学校名) | From (入学) | Years (年) |
| Address (所在地) | To (卒業) | and months (月) |

Upper Secondary School (高校)

| Name (学校名) | From (入学) | Years (年) |
| Address (所在地) | To (卒業) | and months (月) |

Higher Education (高等教育)

| Name (学校名) | From (入学) | Years (年) |
| Address (所在地) | To (卒業) | and months (月) |

Undergraduate Level (大学)

| Name (学校名) | From (入学) | Years (年) |
| Address (所在地) | To (卒業) | and months (月) |

Graduate Level (大学院)

| Name (学校名) | From (入学) | Years (年) |
| Address (所在地) | To (卒業) | and months (月) |

Total years of schooling mentioned above

As of October 1, 2017

---

Employment Record. Begin with the most recent one, if applicable.

<table>
<thead>
<tr>
<th>Name and Address of Employer</th>
<th>Period of Employment</th>
<th>Position</th>
<th>Type of Work</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>From</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>To</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*If the blank spaces above are not sufficient for the information required, please attach a separate sheet.

Notes:
1. Exclude kindergarten education or nursery school.
2. Preparatory education for university admission is included in upper secondary school.
3. If the applicant has passed the university entrance qualification examination, indicate this in the blank with **-1**.
4. Any school years or levels skipped should be indicated in the fourth column (Diploma or Degree awarded, Major Subject, Skipped years/levels).

日付 (Date)  出願者名前 (Name)  
出願者署名 (Signature)
平成29年度10月入学群馬大学大学院医学系研究科医科学専攻（博士課程） 検定料振込用紙

注意事項
① 振り込みは、下記の本学専用の検定料振込用紙を使用し、最寄りの金融機関の窓口から電信扱いの振込口座にお金を振り込んでください（ゆうちょ銀行からは振り込めません）。
② 太枠の中をボールペンで記入してください（鉛筆書きのものは不可）。
③ 振込手数料は振込人に負担となります。
④ 振込用（大学提出用）の「振込金受付証明書」に金融機関出納印が押印してあることを確認し、「振込金受付証明書と検定料収納証明書貼付台紙」に貼付し、出席者名欄に同封してください。
⑤ 振込金受取者は本人の控えとして、大切に保管してください。

添付用（大学提出用）

注: 検定料振込用紙を大学提出用に使用する際、下記の注意事項に従ってください。

October 2017 Course of Medical Sciences in Graduate School of Medicine, Gunma University (Doctoral Program) Examination Fee Transfer Forms

Notes:
① The payment must be made at a teller’s window of your nearest bank as wire transfer using the below Examination Fee Transfer Forms issued by our University (the payment cannot be made at post office). You are not supposed to make the payment by using ATM (automatic teller machine), cell phone, or the Internet.
② Fill out the thick-bordered boxes by using a ball-point pen. (The forms written in pencil are unacceptable.)
③ A bank transfer fee will be borne by a person who pays the fee.
④ Confirm that the “Certificate of Transfer Receipt” provided (for being submitted to University) is sealed by financial institution and paste it on the “Sheet for Certificate of Transfer Receipt” and be sure to enclose it with the admission documents.
⑤ Make sure you keep the transfer receipt as your own duplicate with good care.

Perforated line
平成29年度10月入学群馬大学大学院医学系研究科医科学専攻（博士課程）
振込金受付証明書・検定料収納証明書貼付台紙

1. 金融機関からの支払い
   『振込金受付証明書』
   貼付欄
   □ 出願時において国費外国人留学生（日本政府）である者
      （該当者は○をつけてください。検定料は不要です。）
   □ 東日本大震災及び風水害等の災害罹災者
      （検定料免除申請者）である者
      （該当者は○をつけてください。検定料は不要です。）

2. コンビニエンスストアでの支払い
   『検定料収納証明書』
   貼付欄

3. クレジットカードでの支払い（パソコンやスマートフォン等のある環境で御利用ください）
   『クレジットカードでの支払い』
   21頁「コンビニエンスストア・クレジットカードでの検定料支払方法」を参照の上、支払ってください。なお、支払手数料は支払人の負担となりますので、留意してください。
   21頁「コンビニエンスストア・クレジットカードでの検定料支払方法」を参照の上、支払ってください。なお、支払手数料は支払人の負担となりますので、留意してください。
   支払後、レジにて受け取った「出願証明書・選考料・取扱明細書」の「取扱証明書」部分を切り取り、本台紙の所定の欄に貼り付けてください。
   支払期日 平成29年5月22日（月）から6月9日（金）15時まで（「Webサイトでの申込み」は、支払期間終了30分前まで）

◆次のいずれかの方法により支払ってください。

受験番号 ※

English reference, please turn over.

※英文は裏面を御覧ください
October 2017 Course of Medical Science in Graduate School of Medicine, Gunma University (Doctoral Program)
Sheet for Certificate of Transfer Receipt

Please select one from the following four payment methods.

1. Payment at a bank in Japan (the payment cannot be made at post office).
   (1) The examination fee transfer form [Form 2] provided must be used and the payment should be made at a teller’s window of your nearest bank. Bank transfer fees are chargeable on the person who pays the fees.
   (2) Confirm that the "Certificate of Transfer Receipt" is sealed by the bank (financial institution) and paste it on the prescribed place in the "Sheet for Certificate of Transfer Receipt".
   (3) The transfer payment receipt should be kept with good care as your own duplicate.
   (4) Transfer payment period: May 22 (Mon.) to 3:00 p.m. (Japan time) of June 9 (Fri.), 2017.
   (5) We do not accept the "Certificate of Transfer Receipt" without a seal by financial institution, one with the amended amount of money, or one written with a pencil. Payment by using ATM (Automated Teller Machine), cell phone or personal computer should not be made.

2. Payment at a convenience store (make sure that you have a personal computer or cell phone with you).
   (1) Refer to the page 53 when you pay at a convenience store. Payment commissions are chargeable on the person who pays the fees.
   (2) After payment, receive the "Application Fee Statement", detach the "Certificate of Payment" (receipt) portion from it, and paste it on the prescribed place in the "Sheet for Certificate of Transfer Receipt".
   (3) Payment period: May 22 (Mon.) to 3:00 p.m. (Japan time) of June 9 (Fri.), 2017. When you make payment via the web site, you must pay 30 minutes before the end of payment period.

3. Payment by credit card (make sure that you have a personal computer or cell phone connected to a printer with A4 paper with you).
   (1) Refer to the page 53 when you pay by credit card. Payment commissions are chargeable on the person who pays the fees.
   (2) After payment, print the "Application Fee Statement", detach the "Certificate of Payment" (receipt) portion from it, and paste it on the prescribed place in the "Sheet for Certificate of Transfer Receipt".
   (3) Payment period: May 22 (Mon.) to 3:00 p.m. (Japan time) of June 9 (Fri.), 2017.

Please paste “Certificate of Transfer Receipt” here.

Please paste “Certificate of Payment” above.

If you are receiving the Japanese Government (MEXT) Scholarship at the time of application, the examination fee payment is not required. Please submit the document certifying that you are the recipient of the scholarship.

☐ I am receiving the Japanese Government (MEXT) Scholarship at the time of application. (Fill in a circle in the square. The recipient of the scholarship doesn’t have to pay the examination fee.)

☐ I am the sufferer from Great East Japan earthquake and applying for exemption of the examination fee. (Fill in a circle in the square. The applicant doesn’t have to pay the examination fee.)
写真

<table>
<thead>
<tr>
<th>写真 Photograph</th>
</tr>
</thead>
<tbody>
<tr>
<td>全身のものを除いてください。</td>
</tr>
<tr>
<td>1. サイズは、横13cm</td>
</tr>
<tr>
<td>立つ身振れ、正面顔、服装</td>
</tr>
<tr>
<td>と3ヶ月以内に自撮り撮影した</td>
</tr>
</tbody>
</table>
| もの。
| 2. 写真の裏面を氏名を記入し |
| て貼ってください。 |

<table>
<thead>
<tr>
<th>写真 Photograph</th>
</tr>
</thead>
<tbody>
<tr>
<td>全身のものを除いてください。</td>
</tr>
<tr>
<td>1. サイズは、横13cm</td>
</tr>
<tr>
<td>立つ身振れ、正面顔、服装</td>
</tr>
<tr>
<td>と3ヶ月以内に自撮り撮影した</td>
</tr>
</tbody>
</table>
| もの。
| 2. 写真の裏面を氏名を記入し |
| て貼ってください。 |

[Notes when filling in the cards]
1. Necessary matters must be filled in accurately and in the block style by using a blue or black ball-point pen.
2. Do not fill in the “※ box.”

[Notes when taking the examination]
1. Examinee must carry his/her examination card.
2. Examinees must assemble in the examination room by up to 30 minutes (by 9:30 a.m.) before the start of the examination.
3. In the examination room, sit at the seat which your examinee's number is posted on and place your examination card on the top right corner of the desk.
4. Lateness within 30 minutes after the start of the examination will be accepted, but the test time shall not be extended.
5. Other detailed notes about the examination will be directed at the examination room.
受験承諾書
Written approval for taking examination

氏名 (Name) 

生年月日 (Birth Date) 

職名 (Official Title) 

上記の者が、平成29年度10月入学群馬大学大学院医学系研究科医学科学専攻（博士課程）一般入試の入学試験を受験することを承諾します。

I approve of the above person's taking the entrance examination for Entering Course of Medical Sciences in Graduate School of Medicine, Gunma University (Doctoral Program) in 2017 for selection for general selection.

年 月 日
Year Month Day

群馬大学長 殿
To President of Gunma University

所属長又は任命権者 
Supervisor or Appointer

職印 
Official Seal

所属機関
Institution the Examinee Belongs to

所在地
Address of the Institution

電話番号
Telephone Number
# Application form for Program for Cultivating Global Leaders in Heavy Ion Therapeutics and Engineering

(Application for taking the cooperative course on heavy ion medical engineering)

<table>
<thead>
<tr>
<th>Applicant’s name</th>
<th>Signature</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Whether or not you desire to receive the stipend</th>
<th>Yes / No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Purpose, content, and meaning of research</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Reason for the need of the stipend</th>
</tr>
</thead>
</table>

*特别研究員事業等、他の給付型経費の受給及び恒常的な所得を受けている者は対象としない。
The applicant who currently receives or will receive JSPS Research Fellowship for Young Scientists or any other benefits, or who currently receives or will receive constant income is not eligible to apply for this stipend.  
*奨励金を受給した場合は、学年・氏名を公表します。
The grade and the name of the receipt will be announced.
入学資格審査書（Application for the screening of admission requirements）

私は、平成29年度群馬大学医学系研究科医学専攻（博士課程）入試を受験したいので、下記に入学資格審査に関するお願いします。

記

1. 該当する入学資格審査

次のいずれか（社会人入試については（1）と（3）のみ）について、当該項目の番号を○で囲んでください。

(1) 文部科学大臣の指定した者（昭和30年文部省告示第39号）

大学医学、歯学又は6年制の薬学又は看護学の課程を卒業し、医学、歯学、薬学又は看護学の課程を卒業した者に限るが、大学院医学、歯学、薬学又は看護学の課程を卒業し、医学、歯学、薬学又は看護学の課程を卒業した者と同等以上の学力がある者を選ぶためのもの

(2) 学校教育法（昭和22年法律第26号）第102条第2項の規定により本大学以外の大学院医学、歯学、薬学、看護学に対等の学力である学力がある者を選ぶためのもの

(3) 本大学院において、個別の入学資格審査により、大学医学、歯学又は6年制の薬学又は看護学の課程を卒業した者に限るが、大学院医学、歯学、薬学又は看護学の課程を卒業した者と同等以上の学力がある者を選ぶためのもの

2. 希望する専攻分野名

( )

3. 添付文書

本文書に添付した文書の番号を○で囲んでください。

(1) 該当する

ア 研究経歴書（本要項添付の用紙（様式9）によるもの）

イ 医学・歯学に関する研究業績（論文等）

ウ 研究業績の詳細を示すために記述した研究機関の概要

エ 教育等過程の指導教員の推薦書（様式自由）

オ 教育等過程の指導教員の推薦書（様式自由）

カ 最終学年成績証明書

サ その他の書類

(2) 該当する

ア 選択科目（医学部）の成績証明書と当該大学医学課程の成績証明書に名前を記載されている書類（修了引継等）を提出

イ 在学証明書（在学証明書に名前を記載されているもの）

ウ 研究業績の詳細を示すために記述した研究機関の概要

エ 教育等過程の指導教員の推薦書（様式自由）

オ その他（専門修了等の証明書等）

カ その他（専門修了等の証明書等）

サ その他の書類

(3) 該当する

ア 研究経歴書（本要項添付の用紙（様式9）によるもの）

イ 臨床医療（外国）に関する研究業績（論文等）

ウ 研究業績の詳細を示すために記述した研究機関の概要

エ 教育等過程の指導教員の推薦書（様式自由）

オ 最終学年成績証明書

カ その他（専門修了等の証明書等）

サ その他（専門修了等の証明書等）

( ) 裏面の履歴書も記入すること

I wish to take the entrance examination for Entering Course of Medical Sciences in Graduate School of Medicine, Gunma University in 2017 and request the screening of admission requirements as follows:

1. The screening of admission requirements that fall under the applicant.

2. The number of the appropriate items if one of the following is applicable to the applicant (Only 1/or/3 for selection for working members of society).


A person who has graduated from a university (which has a course in medical science, or a 6-year course in pharmaceutical science or veterinary science), or a person who has been engaged in research for 2 years or longer at university or institute, etc. after having completed 16 years of a school education in a foreign country (including a person who will engage in research for 2 years or longer after graduation). In addition, a person who has been recognized by our Graduate School as having academic ability equivalent or superior to a university graduate who has completed the course in medical science, dental science, pharmaceutical science, or veterinary science based on the results of the final examination of the applicant's qualifications, and who will be 24 years of age by September 30, 2017.

Desired Major Field ( )

Attached documents

Circle the number of the document attached to this application form.

(1) Applicant who falls under the above (1)

a. Certificate of Research Activities (The form attached to our admission guidelines must be used. [Form-9])

b. Research achievements in medicine and medical treatment (Papers etc.)

c. Profile of the research institute to which the applicant belongs in order to establish the above research achievements.

d. Letter of recommendation prepared by the applicant's advisor (if free for fee) Graduate Certificate or Completion Certificate issued by the final educational establishment from which the applicant graduated.

(2) Applicant who falls under the above (2)

a. Academic transcript issued by the final educational establishment from which the applicant graduated.

b. Certificate of student status (issued by the president of the university graduate school you are in and with the date of your entrance). If you completed or quit the graduate school, submit the document with the date of your entrance (e.g. the transcript from the graduate school).

c. Published academic papers etc. on research achievements, if any.

(3) Applicant who falls under the above (3)

a. Research achievements (Papers etc.) (The form attached to our admission guidelines must be used. [Form-9])

b. Research achievements equivalent to master's thesis (Papers etc.)

c. Profile of the research institute to which the applicant belongs in order to establish the above research achievements.

d. Graduation Certificate or Completion Certificate issued by the final educational establishment from which the applicant graduated.

e. Academic transcript issued by the final educational establishment from which the applicant graduated.

f. Other documents

Fill in the curriculum vitae overleaf.

(1/2)
履 歴 書 (Curriculum Vitae)

Educational background

<table>
<thead>
<tr>
<th>Name and Address of School (学校名及び所在地)</th>
<th>Year and Month of Entrance and Completion (入学及び卒業年月)</th>
<th>Duration of Attendances (修学年数)</th>
<th>Diploma or Degree awarded, Major Subject, Skipped years/levels (学位・資格、専門科目、飛び級の状況)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary Education (初等教育)</td>
<td>Name (学校名)</td>
<td>From (入学)</td>
<td>Years (年)</td>
</tr>
<tr>
<td>Elementary School (小学校)</td>
<td>Address (所在地)</td>
<td>To (卒業)</td>
<td>and months (月)</td>
</tr>
<tr>
<td>Secondary Education (中等教育)</td>
<td>Name (学校名)</td>
<td>From (入学)</td>
<td>Years (年)</td>
</tr>
<tr>
<td>Lower Secondary School (中学)</td>
<td>Address (所在地)</td>
<td>To (卒業)</td>
<td>and months (月)</td>
</tr>
<tr>
<td>Upper Secondary School (高校)</td>
<td>Name (学校名)</td>
<td>From (入学)</td>
<td>Years (年)</td>
</tr>
<tr>
<td>Higher Education (高等教育)</td>
<td>Address (所在地)</td>
<td>To (卒業)</td>
<td>and months (月)</td>
</tr>
<tr>
<td>Undergraduate Level (大学)</td>
<td>Name (学校名)</td>
<td>From (入学)</td>
<td>Years (年)</td>
</tr>
<tr>
<td>Graduate Level (大学院)</td>
<td>Address (所在地)</td>
<td>To (卒業)</td>
<td>and months (月)</td>
</tr>
</tbody>
</table>

Total years of schooling mentioned above (以上を通算した全学校教育修学年数)
As of October 1, 2017 (2017年10月1日現在)

<table>
<thead>
<tr>
<th>Years and</th>
<th>months</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Employment Record. Begin with the most recent one, if applicable.

<table>
<thead>
<tr>
<th>Name and Address of Employer (勤務先及び所在地)</th>
<th>Period of Employment (在職期間)</th>
<th>Position (役職名)</th>
<th>Type of Work (職務内容)</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*If the blank spaces above are not sufficient for the information required, please attach a separate sheet.*

(注)上欄に書き切れない場合には、適当な別紙に記入して添付すること。

Notes:
1. Exclude kindergarten education or nursery school. (幼稚園・保育所教育は含まれない。)
2. Preparatory education for university admission is included in upper secondary school. (いわゆる「大学予備教育」は中等教育に含まれる。)
3. If the applicant has passed the university entrance qualification examination, indicate this in the blank with *-1.*
   (「大学入試資格試験」に合格している場合には、その旨を☆1欄に記入すること。)
4. Any school years or levels skipped should be indicated in the fourth column (Diploma or Degree awarded, Major Subject, Skipped years and levels). (Example: Graduated high school in two years, etc.)
   (いわゆる「飛び級」をしている場合には、その旨を該当する教育課程の「学位・資格、専門科目、飛び級の状況」欄に記載すること。
   （例：高校3年次を飛び級により短期卒業）)

日付 (Date)  出願者名前 (Name)  出願者署名 (Signature)

(2/2)
Certificate of Research Activities

**Nationality (国籍)**: 

**Name (氏名)**: 

**Birth Date (生年月日)**: 

This is to certify that the above person has been engaged in the research activities as follows.

<table>
<thead>
<tr>
<th><strong>Institution and Division which he/she has been engaged in and Status (在職した機関、部局名及び身分)</strong></th>
<th><strong>Duration of Research (研究期間)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>From</strong>: (Day) (Month) (Year) <strong>to</strong>: (Day) (Month) (Year)</td>
<td><strong>(年月日から年月日まで)</strong></td>
</tr>
<tr>
<td><strong>Year (Year)</strong> <strong>Month (Month)</strong> <strong>Day (Day)</strong></td>
<td><strong>(年月日から年月日まで)</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Title and Outline of Research (研究題目及び研究内容)</strong></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Name and Position of Academic Advisor (指導教員 職名・氏名)</strong></th>
</tr>
</thead>
</table>

**Date (年月日)**: 

<table>
<thead>
<tr>
<th><strong>Signature (署名)</strong></th>
<th><strong>Name (氏名)</strong></th>
<th><strong>Title of Position (職名)</strong></th>
</tr>
</thead>
</table>

Note: A certifier shall be a head (e.g., President, Dean, or Director, etc.) of an organization. However, in the case of certifying a research history of our university graduate (including a student enrolled in our university), a supervisor may also serve as a certifier.
宛名票
Name and Address Card

◎ 志願者は本票を学生募集要項記載の出願書類と一緒に必ず提出してください。
◎ 楷書で丁寧に記入してください。
◎ 切りとり線で切り離して、そのまま提出してください。
（ホームページから用紙を入手した方は、そのまま記入してください。）

> 入試に関する確実な受信場所を記入してください。
場所がアパート、団地等の場合は「様方」の欄にアパート、団地名等記入してください。
※欄は記入しないでください。

◎Applicant must submit this card with the application documents mentioned in the Admission Guidelines.
◎Fill in this card neatly and in the block style.
◎Detach the sheet on the perforated line and submit it.
(If you obtained the form from the homepage, fill in it.)

Fill in the place for receiving information about entrance examination without fail.
If the above place indicates a flat or a housing complex, etc., fill in the name of a flat or a housing complex, etc. in the "c/o box".
Do not fill in the "*box."

<table>
<thead>
<tr>
<th>受験番号 Examinee’s Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>※</td>
</tr>
</tbody>
</table>

左欄に、郵便番号、住所、氏名を記入してください。
Fill in postal code, current address and name in the left column.

Mr. / Ms.

<table>
<thead>
<tr>
<th>受験番号 Examinee’s Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>※</td>
</tr>
</tbody>
</table>

左欄に、郵便番号、住所、氏名を記入してください。
Fill in postal code, current address and name in the left column.

Mr. / Ms.
社会人入試用出願書類
The application documents for selection for working members of society

入学願書・履歴書 Application Form and Curriculum Vitae
写真票・受験票 Photograph Card and Examination Card
受験及び就学承諾書 Written approval for taking examination and school attendance

このほかに必要な出願書類（研究歴証明書等）については、一般入試の書類を使用してください。

Use the documents for general selection as the necessary application documents (Certificate of Research Activities etc.) except the above documents.
平成29年度10月入学群馬大学大学院医学系研究科医科学専攻(博士課程)

入 学 願 書

October 2017 Course of Medical Sciences in Graduate School of Medicine, Gunma University (Doctoral Program)

Application Form

<table>
<thead>
<tr>
<th>受験番号</th>
<th>Examinee's Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>フリガナ</td>
<td>Name</td>
</tr>
<tr>
<td>氏名</td>
<td>Sex</td>
</tr>
<tr>
<td>生年月日</td>
<td>Year Month Day</td>
</tr>
<tr>
<td>卒業年月日</td>
<td>Graduation Year Month Day</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>志望する領域</th>
<th>Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>及び専攻分野</td>
<td>Major Field</td>
</tr>
<tr>
<td>順位</td>
<td>Whether or not you desire to take the cooperative course on heavy ion medical engineering</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>現住所</th>
<th>Current Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>父親名</td>
<td>Name</td>
</tr>
<tr>
<td>統柄</td>
<td>Relationship</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>勤務先所在地</th>
<th>Office Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>統柄</td>
<td>Official Title</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>学歴</th>
<th>Educational Background</th>
</tr>
</thead>
<tbody>
<tr>
<td>年月日入学</td>
<td>Year Month Day</td>
</tr>
<tr>
<td>年月日卒業</td>
<td>Year Month Day</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>職歴</th>
<th>Professional Background</th>
</tr>
</thead>
<tbody>
<tr>
<td>年月日</td>
<td>Year Month Day</td>
</tr>
</tbody>
</table>

【Notes on filling in】
1. Fill in the above application form in the block style and accurately by using a blue or black ball-point pen.
2. Fill in your working place and occupation minutely.
3. Fill in the current address where notice and inquiry, etc. can be received without fail. Do not fill in the "* box."
4. Do not fill in the "* box."
5. Fill in the "Educational Background box" with your background such as research student, post graduate student, etc.
履歴書（Curriculum Vitae）

Educational background（学歴）

<table>
<thead>
<tr>
<th>Elementary Education（初等教育）</th>
<th>Name and Address of School（学校名及び所在地）</th>
<th>Year and Month of Entrance and Completion（入学及び卒業年月）</th>
<th>Duration of Attendances（修学年数）</th>
<th>Diploma or Degree awarded, Major Subject, Skipped years/levels（学位・資格、専門科目、飛び級の状況）</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elementary School（小学校）</td>
<td>Name（学校名）</td>
<td>From（入学）</td>
<td>Years and months（年・ヶ月）</td>
<td>Diploma or Degree awarded, Major Subject, Skipped years/levels（学位・資格、専門科目、飛び級の状況）</td>
</tr>
<tr>
<td>Secondary Education（中学教育）</td>
<td>Name（学校名）</td>
<td>From（入学）</td>
<td>Years and months（年・ヶ月）</td>
<td>Diploma or Degree awarded, Major Subject, Skipped years/levels（学位・資格、専門科目、飛び級の状況）</td>
</tr>
<tr>
<td>Lower Secondary School（中等教育）</td>
<td>Name（学校名）</td>
<td>From（入学）</td>
<td>Years and months（年・ヶ月）</td>
<td>Diploma or Degree awarded, Major Subject, Skipped years/levels（学位・資格、専門科目、飛び級の状況）</td>
</tr>
<tr>
<td>Upper Secondary School（高校）</td>
<td>Name（学校名）</td>
<td>From（入学）</td>
<td>Years and months（年・ヶ月）</td>
<td>Diploma or Degree awarded, Major Subject, Skipped years/levels（学位・資格、専門科目、飛び級の状況）</td>
</tr>
<tr>
<td>Higher Education（高等教育）</td>
<td>Name（学校名）</td>
<td>From（入学）</td>
<td>Years and months（年・ヶ月）</td>
<td>Diploma or Degree awarded, Major Subject, Skipped years/levels（学位・資格、専門科目、飛び級の状況）</td>
</tr>
<tr>
<td>Undergraduate Level（大学院）</td>
<td>Name（学校名）</td>
<td>From（入学）</td>
<td>Years and months（年・ヶ月）</td>
<td>Diploma or Degree awarded, Major Subject, Skipped years/levels（学位・資格、専門科目、飛び級の状況）</td>
</tr>
</tbody>
</table>

Total years of schooling mentioned above（以上を通算した全学校教育修学年数）
As of October 1, 2017（2017年10月1日現在）

Years and months（年・ヶ月）

Employment Record. Begin with the most recent one, if applicable.（職歴）

<table>
<thead>
<tr>
<th>Name and Address of Employer（勤務先及び所在地）</th>
<th>Period of Employment（在職期間）</th>
<th>Position（役職名）</th>
<th>Type of Work（職務内容）</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>From</td>
<td>To</td>
<td></td>
</tr>
<tr>
<td></td>
<td>From</td>
<td>To</td>
<td></td>
</tr>
</tbody>
</table>

*If the blank spaces above are not sufficient for the information required, please attach a separate sheet.（注）上欄に書き切れない場合には、適当な別紙に記入して添付すること。*

Notes: 1. Exclude kindergarten education or nursery school.（幼稚園・保育所教育は含まれない。）
2. Preparatory education for university admission is included in upper secondary school.（いわゆる「大学予備教育」は中等教育に含まれる。）
3. If the applicant has passed the university entrance qualification examination, indicate this in the blank with *-1.（「大学入学資格試験」に合格している場合には、その旨を* -1欄に記入すること。）
4. Any school years or levels skipped should be indicated in the fourth column（Diploma or Degree awarded, Major Subject, Skipped years and levels）.（Example: Graduated high school in two years, etc.）（例：高校3年次を飛び級により短期卒業）

日付（Date）

出願者名前（Name）

出願者署名（Signature）
(社会人入試用 For selection for working members of society)
平成29年度10月入学群馬大学大学院医学系研究科医学専攻(博士課程) 様式12
October 2017 Course of Medical Sciences in Graduate School of Medicine, Gunma University (Doctoral Program)

写真票 Photograph Card

<table>
<thead>
<tr>
<th>受験番号</th>
<th>Examinee's Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>フリガナ</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>氏名</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>氏名</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>志望領域</th>
<th>Desired Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>志望領域</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>志望専攻野</th>
<th>Desired Major Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>志望専攻野</td>
<td></td>
</tr>
</tbody>
</table>

写真 Photograph

1. 全体の1/2〜1/3に写られ、顔の3cm
2. 胸の横断部、正面、頭部、下顔
3. 前3か月以内に単身撮影したもの
4. 写真の裏面に氏名を記入し

(Perforated-line)

受験票 Examination Card

<table>
<thead>
<tr>
<th>受験番号</th>
<th>Examinee's Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>フリガナ</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>氏名</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>氏名</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>志望領域</th>
<th>Desired Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>志望領域</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>志望専攻野</th>
<th>Desired Major Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>志望専攻野</td>
<td></td>
</tr>
</tbody>
</table>

[記入上の注意]
1. 必要事項は、青又は
2. 印欄は記入しない

[Notes when filling in the cards]
1. Necessary matters must be filled in accurately and
2. Do not fill in the "* box.

[Notes when taking the examination]
1. Examinee must carry his/her examination card.
2. Examinees must assemble in the examination room by up to 30 minutes
3. In the examination room, sit at the seat which your examinee's number is posted on and place your examination card on the top right corner of the desk.
4. Lateness within 30 minutes after the start of the examination will be accepted, but the test time shall not be extended.
5. Other detailed notes about the examination will be directed at the examination room.
受 験 及 び 就 学 承 諾 書
Written approval for taking examination and school attendance

氏 名（Name）

生年月日（Birth Date）

職 名（Official Title）

上記の者が、平成29年度10月入学群馬大学大学院医学系研究科医科学専攻（博士課程）社会人入試の入学実証を受験することを承諾します。
なお、本人が質大学院医学系研究科に入学した場合は、在職のまま就学することを承諾します。

I approve of the above person's taking the entrance examination for Entering Course of Medical Sciences in Graduate School of Medicine, Gunma University (Doctoral Program) in 2017 for selection for working members of society.
Additionally, I approve of his/her school attendance while holding office when he/she enters Course of Medical Sciences in Graduate School of Medicine, Gunma University.

年 月 日
Year Month Day

群馬大学長 殿
To President of Gunma University

所属長又は任命権者
Supervisor or Appointer

職印
Official Seal

所属機関
Institution the Examinee Belongs to

所在地
Address of the Institution

電話番号
Telephone Number
周囲は群馬県の象徴である名勝赤城、榛名、妙義の上毛三山を浮彫りさせて大学を囲み、群馬大学の象徴としています。

The above design of “大学 (kanji for university, called ‘daigaku’)” surrounded by the famous picturesque view of three carved mountains which comprise Mt. Akagi, Mt. Haruna, and Mt. Myogi and are called JOMO SANZAN symbolizing Gunma Prefecture is the emblem of Gunma University.