

2019 Admissions Guide: Doctoral Program of Medicine

Graduate School of Medicine, the University of Tokyo

—平成31年度東京大学大学院医学系研究科医学博士課程学生募集要項—

Education & research aims

The aims of the Graduate School of Medicine are to promote advanced research that will contribute to breakthroughs in our understanding of the mechanisms of life, conquest of diseases, and improvements in health, as well as to produce international leaders in various medical fields who possess outstanding scholastic competence and a high level of creative research ability.

1. Eligibility criteria

- (1) Persons who have graduated or are expected to graduate from a program to study medicine or dentistry at a Japanese university by 31 March 2019. (Note 1)
- (2) Persons who have graduated or are expected to graduate from a six-year program to study pharmacy or veterinary medicine at a Japanese university by 31 March 2019. (Note 1)
- (3) Persons who have completed or are expected to complete 18 years of overseas curricular education (ending with a program in medicine, dentistry, pharmacy or veterinary medicine) by 31 March 2019. (Note 2)
- (4) Persons who have been conferred or are expected to be conferred a degree equivalent to that of a bachelor's degree from a foreign university or other foreign institution of higher education (restricted to those whose comprehensive status of education and research activities has been assessed by the government of the said foreign country or a related organization) by March 31, 2019, having completed a program (restricted to a program to study veterinary medicine, medicine, pharmacy or dentistry) which requires at least five years of study. (Note 2)
- (5) Persons who have graduated or are expected to graduate from an educational institution designated by the Minister of Education, Culture, Sports, Science and Technology by March 31, 2019. (Note 3)
- (6) Persons who have graduated from a master's program, etc. (Note 4) at a Japanese university and are recognized by the Graduate School of Medicine based on an eligibility review as having academic ability equivalent to or surpassing that of a person who has graduated from a program in medicine, etc. (Note 5) at a Japanese university. (Note 1)
- (7) Persons who have engaged in research for 2 years or more at a university or a research institute after graduating from a Japanese university (excluding programs in medicine, dentistry, or pharmacy or veterinary medicine) or completing 16 years of overseas curricular education and are recognized by the Graduate School of Medicine based on an eligibility review as having academic ability equivalent to or surpassing that of a person who has completed a program in medicine, etc. (Note 5) at a Japanese university. (Note 1) (Note 6)
- (8) Persons who are recognized by the Graduate School of Medicine based on an individual eligibility review as having academic ability equivalent to or surpassing that of a Japanese university graduate, and who are aged 24 years or older on 31 March 2019. (Note 7)

- Note 1: "Japanese university" mentioned in Eligibilities (1), (2), (6) , and (7) above is a university within the boundaries of Japan and as prescribed in Article 83 of the School Education Law.
- Note 2: Eligibilities (3) and (4) above include the case of having completed a distance education program provided by a foreign school of said country while residing in Japan.
- Note 3: "Persons who have graduated or are expected to graduate from an educational institution designated by the Minister of Education, Culture, Sports, Science and Technology" as per eligibility criterion (5) are as follows:
- ① Persons who have studied medicine or dentistry at the medical or dentistry faculty of a university prescribed by the old University Ordinance and who have graduated from either of these faculties.
 - ② Persons who have graduated from the National Defense Medical College under the Act for Establishment of the Ministry of Defense.
 - ③ Persons who have completed a program of a foreign university (restricted to those who have completed 18 years of education in the school education system of said foreign country, ending with a program either in veterinary medicine, medicine, pharmacy or dentistry) while in Japan, the said program having been designated separately by the Minister for Education, Culture, Sports, Science and Technology and belonging to an educational institution under the school education system of the said foreign country.
- Note 4: "Persons who have completed a master's program, etc. at a Japanese university" as per eligibility criterion (6) are as follows:
- ① Persons who have completed a master's program or a professional degree program at a Japanese university and those who are eligible to be conferred a master's degree.
 - ② Persons who have been enrolled for at least two years in a doctoral program which is not separated into former and latter parts, and have obtained at least 30 academic credits in addition to the required research guidance at a Japanese university.
- Note 5: "A program in medicine, etc. at a Japanese university" mentioned in Eligibility (6) and(7) above is an undergraduate program at a Japanese university as follows:
- ① A program to study medicine
 - ② A program to study dentistry
 - ③ A program to study pharmacy whose main purpose is to cultivate practical clinical ability
 - ④ A program to study veterinary medicine
- Note 6: Persons who intend to apply for admission under eligibility criteria (7) above must first undergo an *eligibility review*. To undergo the *eligibility review*, it is necessary for applicants to contact the Graduate School of Medicine's Administration Office (refer to 6(3) below) in advance and to submit the required documents to the Office by Thursday, 28 June 2018. Persons who are deemed by the Graduate School of Medicine on the basis of an eligibility review to have academic ability equivalent or superior to that of a university graduate described in eligibility criteria (1) or (2) shall be permitted to take the entrance exam upon application.
- Note 7: ① Eligibility criterion (8) above is intended for those who do not fall under eligibility criteria (1) - (7) and have graduated from/completed a program to study medicine, dentistry, pharmacy or veterinary medicine at an educational institution that is equivalent to a six-year university, and have been deemed by the Graduate School of Medicine on the basis of an *individual eligibility review* to have academic ability equivalent or superior to that of a university graduate described in eligibility criteria (1) or (2).
- ② Persons who intend to apply for admission under eligibility criterion (8) above must first undergo an *individual eligibility review*. To undergo the *individual eligibility review*, it is necessary for applicants to contact the Graduate School of Medicine's Administration Office (refer to 6(3) below) in advance and to submit the required documents to the Office by Thursday, 28 June 2018.
- ③ Persons who are deemed by the Graduate School of Medicine on the basis of an *individual eligibility review* to have academic ability equivalent or superior to that of a university graduate described in eligibility criteria (1) or (2), shall be permitted to take the entrance exam upon application.

2. Admission criteria

Admission shall be determined based on the results of a written exam, oral exam, and an assessment of the academic transcript.

3. Exam subjects and quotas

| Major | Research Fields | Written Exam Subjects | | Quota |
|------------------------|---|-----------------------|---------------------|-------|
| | | Foreign Language | Specialized Subject | |
| Molecular Cell Biology | Cell Biology Structural Biology Structural Cell Biology | English | Following | 19 |

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|--|--|--|--|----|
| | Cellular Neurobiology Molecular Biology Cellular Signaling Physiological Chemistry and Metabolism Clinical Molecular Biology Cancer Cellular Signaling Molecular Biomedicine for Pathogenesis | | 2 questions: (1) One question from desired research field (2) One common question from each major (selected at exam) | |
| Functional Biology | Integrative Physiology Cellular and Molecular Physiology Neurophysiology Cellular and Molecular Pharmacology Systems Pharmacology Structural Physiology Brain Functional Dynamics | | | 14 |
| Pathology, Immunology and Microbiology | Human Pathology and Diagnostic Pathology Molecular Pathology Surgical Pathology Microbiology Infection Control and Prevention Immunology Clinical Immunology Animal Resources Neoplastic Pathology Molecular Oncology Infection Pathology | | | 33 |
| Radiology and Biomedical Engineering | Diagnostic Radiology Radiation Oncology Nuclear Medicine System Physiology Biological Information Science Biosystem Construction and Control Biomechanics Medical Photonics Clinical Biomedical Engineering Molecular Radiology Regenerative Medical Engineering | | | 17 |
| Neuroscience | Neuropathology Neurochemistry Neurobiology Developmental Neuroscience Cognitive Neuroscience Systems Medical Neuroscience Sensory Motor Neuroscience Neuropsychiatry Neurology Neurosurgery Child Neuropsychiatry Nerve dynamics of Medical Science | | | 21 |

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|--|--|---------|---|----|
| Social Medicine | Molecular Preventive Medicine Public Health Forensic Medicine Medical Informatics Health Communication Clinical Information Engineering Clinical Epidemiology and Health Economics Environmental Health Sciences Social and Preventive Epidemiology Mental Health Health and Social Behavior Health Promotion Sciences Biomedical Ethics Health Services Research Cancer Epidemiology Cancer Communication Lecture | English | Following 2 questions: (1) One question from desired research field (2) One common question from each major (selected at exam) | 14 |
| Internal Medicine | Cardiovascular Medicine Vascular Biology Respiratory Medicine Gastroenterology Nephrology Endocrinology Nutrition and Metabolism Hematology and Oncology Allergy and Rheumatology Infectious Diseases Stress Science and Psychosomatic Medicine Clinical Laboratory Medicine Transfusion Medicine Clinical Biotechnology Molecular Diabetology | | | 36 |
| Reproductive, Developmental and Aging Sciences | Reproductive Endocrinology Gynecological Oncology Perinatal Medicine Molecular Cellular Reproductive Medicine Pediatrics Developmental Pediatrics Pediatric Surgery Pediatric Oncology Geriatrics Aging Research Health Policy for Children and Families Health longevity Medicine | | | 16 |

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|-------------------|---|---------|---|----|
| Surgical Sciences | Thoracic Surgery Cardiovascular Surgery Gastrointestinal Surgery Hepatobiliary Pancreatic Surgery Urology Artificial Organ and Transplantation Division Surgical Oncology Vascular Surgery Metabolic Care and Endocrine Surgery Dermatology Plastic and Reconstructive Surgery Oral and Maxillofacial Surgery Orthopaedic Surgery Ophthalmology Otorhinolaryngology and Head & Neck Surgery Rehabilitation Medicine Anesthesiology Emergency and Critical Care Medicine Palliative Medicine | English | Following 2 questions: (1) One question from desired research field (2) One common question from each major (selected at exam) | 40 |
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Notes

- (1) Students who are expected to complete the Graduate School of Medicine's Master's Degree in Medical Science program in the University of Tokyo are exempt from the written exam.
- (2) Depending on the exam results, the number of admitted students may be less than the quota.

4. Exam dates & venues

- (1) Written exam: Thursday, 18 October 2018
- (2) Oral exam: Friday, 19 October 2018
- (3) Details of the exam schedules and venues will be given in the 'Examinee Guidelines' which will be sent by postal mail.

5. Announcement of successful applicants & admission procedures

- (1) A list of successful applicants will be posted on the notice board in front of the Faculty of Medicine Main Building (Igakubu Honkan) at 12:00 p.m. on Thursday, 22 November 2018.
- (2) A letter of acceptance will be posted to each successful applicant in late February 2019.
- (3) Acceptance letter recipients are required to complete the necessary admission procedures (i.e., payment of admission fees and submission of admission forms) in accordance with the accompanying Admissions Guide between Friday 1, Monday 4 and Tuesday 5 March 2019. Failure to complete the admission procedures shall be regarded as refusal of admission.

(4) Estimated costs of admission in 2019

(International students with a Japanese Government [*Monbukagakusho*] Scholarship are exempt from these fees)

- ① Admission fee: ¥282,000 (estimated)
- ② 1st semester tuition fee: ¥260,400 (annual tuition fee of ¥520,800; estimated)

The above fees are estimates only. Any revisions to student fees upon admission or during enrollment shall become effective immediately.

6. Application procedure

(1) Applications must be sent by postal mail.

Place all of the necessary application documents in a single envelope designated by the Graduate School of Medicine, and send by registered mail.

(2) Submission period

Applications must arrive between Wednesday, 18 and Friday, 27 July 2018. The envelope must be postmarked no later than Friday, 27 July 2018, and must arrive no later than Tuesday, 31 July 2018. *Research Students (Monbukagakusho Scholarship students)* scheduled to arrive in Japan in autumn 2018 must first contact the Administration Office (see 6(3) below for contact details).

(3) Address

Graduate Student Affairs Section,
Graduate School of Medicine, the University of Tokyo
7-3-1 Hongo, Bunkyo-ku, Tokyo, Japan 113-0033
Tel: (81) 03-5841-3309 (Graduate School of Medicine)

(4) Application documents (asterisk [*] indicates that a specified form must be used)

| Document | Who should submit | Description |
|------------------------------|---|--|
| a.* Application Form | All applicants | Attach three identical passport photos taken within the last three months of the application date to the space provided on the: 1) Application Form; 2) Photo ID Card; and 3) Exam Card. (<i>jukenhyo</i> ; 受験票). |
| b.* Self-addressed envelopes | All applicants | Submit three self-addressed envelopes and affix ¥362 worth of postage stamps to the envelope marked 'Exam Card Enclosed' (<i>jukenhyo zaichu</i> ; 受験票在中). |
| c.* Exam fee (¥30,000) | All applicants except the following: (1) Those expected to complete a master's program or professional degree program at the University of Tokyo in March 2019 (2) International students on a <i>Monbukagakusho</i> Scholarship *Students currently enrolled at a different university must submit their official scholarship certificate | The exam fee must be paid at a bank branch or convenience store, or by credit card. The applicant is responsible for any fees or charges associated with the payment. Bank transfer: Fill out the designated Transfer Request Form and submit it together with the exam fee at your nearest bank branch. The payment cannot be made at a Japan Post Bank (<i>Yucho Ginko</i>), post office, ATM, or via the internet. The bank will give you the Transfer Receipt (' <i>Furikomikin Uketorisho</i> '; Form B) which you should retain for your own records, and the Certificate of Transfer Receipt (' <i>Furikomikin Uketsuke Shomeisho</i> '; Form C) which you should attach to the space provided on the rear of the Application Form. Convenience store & credit card payments: Refer to the attachment ' <i>How to Pay the Graduate</i> |

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| | | <i>School of Medicine Exam Fee at a Convenience Store or by Credit Card'</i> for details on how to make the payment. |
| d. Academic transcripts | All applicants | <p>Those who have graduated or are expected to graduate from a program in medicine, dentistry, pharmacy or veterinary medicine' must certify faculty results (including transcripts of general education programs); original certificates only.</p> <p>Those who have completed or are expected to complete a master's or professional degree program must certify faculty (including transcripts of general education programs) and graduate school results; original certificates only.</p> <p>Those who transferred from a junior college or vocational school etc. must also submit a transcript from the school where the academic credits required for the said transfer were obtained.</p> |
| e. Certificate of graduation | All applicants who have already graduated at the time of applications [not required for graduates of the University of Tokyo's Faculty of Medicine or Graduate School of Medicine] | <p>Those who have graduated from a program in medicine, dentistry, pharmacy or veterinary medicine' must certificate of graduation; original certificates only.</p> <p>Those who have completed or are expected to complete a master's or professional degree program must certificate of graduation ; original certificates only.</p> <p>Submit a certificate of the degree conferred, created by the National Institution for Academic Degrees or the National Institution for Academic Degrees and University Evaluation ; original certificates only.</p> |
| f. Research Plan | Only required for those who wish to maintain their employment at a government office, school, hospital or private company during enrollment. | Summarize your intended research plan in two A4 pages and write 'Research Plan' along with your name and the page number at the top left of each page. |
| g.* Certificate of Japanese language ability | Non-Japanese applicants only [not required for those who have graduated or are expected to graduate from a Japanese university] | The certificate must be issued by a Japanese instructor or equivalent person who is able to objectively assess your Japanese language ability. Alternatively, a certificate issued by a Japanese language school is also acceptable. |

7. Other important points

- (1) The Exam Card and Examinee Guidelines will be mailed to you in the self-addressed envelope described in 6(4)b. If you have not received them by three days prior to the exam, contact the Administration Office (see 6(3) above) for instructions.
- (2) If you select a written exam subject other than that specified for your desired major, the exam will be invalid.
- (3) Following the submission of application documents, changes to the documents or the refund of exam fees will not be allowed under any circumstances. Once application documents are received, they are not returnable.
- (4) Those who wish to maintain their employment at a government office, school, hospital, or private company during enrollment are required to submit a consent form (format optional) from their employer when completing the admission procedures(see5(3)above), to the effect that they will remain committed to their studies while enrolled.
- (5) International students are required to obtain the appropriate visa according to the Immigration Control and Refugee Recognition Act (Cabinet Order No. 319 of 1951) prior to undertaking the admission procedures.
- (6) Admission fees shall not be refunded under any circumstances following the completion of admission procedures.
- (7) Applicants with a physical disability who require special consideration or assistance during the entrance exam or after enrollment should contact the Administration Office (see 6(3) above) when submitting their application.
- (8) Names, addresses, or other personal information obtained from applications will only be used for: ① screening of applicants (application processing & screening); ② the announcement of successful applicants; and ③ tasks related to admission procedures. This personal information will also be used for: ① academic affairs (enrollment records, learning etc.); ② student support (health management, employment assistance, applications for scholarships and exemption from tuition fees, use of libraries, etc.); and ③ collection of tuition fees.
- (9) The University may retroactively cancel admission of any student who has falsified personal information or academic record in his or her application form.
- (10) The examination results used in the selection of entrants may be used in future studies for the improvement of both the entrance examination and the education at the University of Tokyo.

May 2018