

2026

Enrollment in April 2026

Enrollment in October 2025

[General Admission Examination]

[Special Admission Examination for International Students]

Graduate School of Medicine and Pharmaceutical Sciences (Doctoral Course)

Graduate Program of Nursing Sciences

Graduate Program of Pharmaceutical Sciences

Graduate Program of Medical Sciences

Graduate Program of Pharmacy

June 2025

University of Toyama

In the event of an unexpected situation, the contents of the student application guidelines, including the examination schedule, may be changed. If it is necessary to make such changes, we will inform you on our website, and please be sure to check the latest information.

<https://www.u-toyama.ac.jp>

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For the Graduate Programs of “Nursing Sciences”, “Pharmaceutical Sciences”, “Medical Sciences”, and “Pharmacy” offered by The Graduate School of Medicine and Pharmaceutical Sciences, the student recruitment (Enrollment in April 2026) will be implemented twice. If the first recruitment reaches the maximum number of applicants, the second recruitment may not be implemented.

The availability of the second recruitment will be announced on our website around November 2025.

-To All Working Adults-

The Graduate School of Medicine and Pharmaceutical Sciences welcomes working adults to encourage recurrent education.

Although no special admission examination for working adults is prepared, the General Admission Examination is also suitable to working adults.

In addition, special measures can be taken to enable persons currently in employment to study without leaving their jobs, by applying the “Special Measures for Educational Methods based on Article 14 of the Standards for Establishment of Graduate Schools.”

Overview of the Graduate School of Medicine and Pharmaceutical Sciences (Doctoral Courses)

Number of students to be admitted in April 2026

| Program name | Number of students to be admitted | |
|-------------------------|-----------------------------------|----------------------------------------------------------|
| | General Admission Examination | Special Admission Examination for International Students |
| Nursing Sciences | 3 | A few |
| Pharmaceutical Sciences | 6 | A few |
| Medical Sciences | 30 | — |
| Pharmacy | 4 | A few |
| Total | 43 | |

(Note) The number of students to be admitted to each program is an approximate number.

Number of students to be admitted in October 2025

| Program name | Number of students to be admitted | |
|-------------------------|-----------------------------------|----------------------------------------------------------|
| | General Admission Examination | Special Admission Examination for International Students |
| Nursing Sciences | A few | A few |
| Pharmaceutical Sciences | A few | A few |
| Medical Sciences | A few | — |
| Pharmacy | A few | A few |

Schedules related to admission examination

| Items | Graduate School of Medicine and Pharmaceutical Sciences (Doctoral Courses) (Graduate Programs of Nursing Sciences, Pharmaceutical Sciences, Medical Sciences, and Pharmacy) | |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Enrollment in April 2026 [The first recruitment] and Enrollment in October 2025 General admission Examination and Special Admission Examination for International Students | Enrollment in April 2026 [The second recruitment] General Admission Examination and Special Admission Examination for International Students |
| Deadline for Inquiry about Examination of Eligibility for Application (Only for relevant applicants) | Thursday, July 3, 2025 | Friday, January 9, 2026 |
| Notification of the Examination Results of Eligibility for Application (Only for relevant applicants) | By Thursday, July 10, 2025 | By Friday, January 16, 2026 |
| Application Period | Friday, July 11 to Friday, July 18, 2025 | Monday, January 19 to Monday, January 26, 2026 |
| Issue of Examination Voucher | Wednesday, August 6, 2025 (provisional) | Thursday, February 12, 2026 (provisional) |
| Examination date | Friday, August 22, 2025 | Friday, February 20, 2026 |
| Announcement of Successful Applicants | Tuesday, September 2, 2025 | Friday, March 6, 2026 |

| | | |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Admission Procedure (Deadline date) | (Enrollment in October 2025) Friday, September 12, 2025 (Enrollment in April 2026) Wednesday, January 21, 2026 (provisional) | Friday, March 13, 2026 (provisional) |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|

(Note) If the first recruitment reaches the maximum number of applicants, the second recruitment may not be implemented.

The availability of the second recruitment will be announced on our website around November 2025.

I. Admission Policy

Admission Policy of Graduate School of Medicine and Pharmaceutical Sciences

Based on its purpose and policy on completion certification and degree conferment (diploma policy), the Graduate School of Medicine and Pharmaceutical Sciences welcomes the persons who have strong interest and basic ability in the medical and healthcare-related research fields, have logical thinking ability and creativity, and have the will to contribute to the development of human and environmental health culture.

Therefore, as a basic policy of our enrollment selection, we offer various kinds of admission examinations which provide multiple admission opportunities to diversified applicants.

Admission Policy of Graduate Program of Nursing Sciences

The aim is to develop human resources with rich and broad academic knowledge and advanced problem-solving skills, and to establish a foundation for education and research in nursing, and to foster practical researchers who can integrate and create knowledge and reform, develop, and create practices, and who can contribute to the daily life and culture in Japan and abroad. We seek students who understand this purpose and have the following qualities.

- (1) Students should have broad and deep academic knowledge in nursing science and its Interdisciplinary fields, and research skills to comprehensively plan and develop a series of research processes.
- (2) Students should be able to grasp and resolve issues in health and medical welfare based on an understanding of the current state of nursing and a vision for the future and acquire outstanding knowledge and abilities that can be trusted and accepted internationally as advanced and specialized nursing professionals comprehensively and systematically.

[Basic Policy on Selection (Admission Examination Types and Their Evaluation Methods)]

In order to accept a diverse range of students, the university will admit students in April and October, and will conduct entrance examinations twice a year. In addition, special entrance examinations for working adults will be conducted.

General Admission Examination

For admission selection, the applicant's motivation, enthusiasm and academic ability, motivation, ability, etc. equivalent to completion of a master's degree program, will be evaluated based on a short essay and aptitude test, foreign language (English) examination, oral examination, and academic transcripts.

Special Admission Examination for International Students

For admission selection, the applicant's motivation, enthusiasm and academic ability, motivation, ability, etc. equivalent to completion of a master's degree program, will be evaluated based on a short essay and aptitude test, foreign language (English) examination, oral examination, and academic transcripts.

Admission Policy of the Graduate Program of Pharmaceutical Sciences

The objective of the department is to foster researchers, educators, and technicians who will carry out cutting-edge research in pharmaceutical sciences and interdisciplinary fields, as well as professionals who will lead the field of pharmaceutical development and dissemination, and who will contribute to human health and the advancement of academic research. For this purpose, it is necessary for students to have broad knowledge and advanced expertise in pharmaceutical sciences, to integrate and apply them to carry out highly creative research, and to acquire the

ability to find new knowledge and solve problems under a high sense of ethics based on cross-disciplinary expertise in medicine, pharmacy, and nursing and a respect for human beings. Based on this objective, the program seeks students who meet the following criteria:

- Those who aspire to become researchers, educators, and technicians active at the cutting edge of pharmaceutical science and interdisciplinary fields, as well as professionals responsible for the development and dissemination of pharmaceutical products.
- Those who have expertise in drug discovery and life sciences.
- Those who should understand disease and a desire to contribute to human health and the advancement of academic research by solving problems in the pharmaceutical sciences through research and by leading the field.
- Those who should have the communication, expression, and communication skills to explain and discuss the content and value of his/her research with researchers in Japan and overseas.

[Basic Policy on Selection (Admission Examination Types and Their Evaluation Methods)]

In order to accept a diverse range of students, the university will admit students in April and October, and will conduct entrance examinations twice a year. In addition, a special entrance examination for international students will be conducted.

General Admission Examination

For admission selection, the applicant's motivation, enthusiasm and academic ability, motivation, ability, etc. equivalent to completion of a master's degree program, will be evaluated based on a short essay and aptitude test, foreign language (English) examination, oral examination, and academic transcript.

Special Admission Examination for International Students

For admission selection, the applicant's motivation, enthusiasm and academic ability, motivation, ability, etc. equivalent to completion of a master's degree program, will be evaluated based on a short essay and aptitude test, foreign language (English) examination, oral examination, and academic transcript.

Admission Policy of Graduate Program of Medical Sciences

- This program seeks students who wish to engage in cutting-edge research in the fields of medicine and medical care.
- Those who have enthusiasm and ability for education and research in medicine and medical care, and who are willing to contribute to the future of medicine and medical care in Japan and abroad.
- Those who have acquired a high level of basic academic ability in a variety of other fields of study, and who aspire to the latest research in the fields of medicine and medical care.

[Basic Policy on Selection (Admission Examination Types and Their Evaluation Methods)]

In order to accept a variety of students, including international students as well as general students, the school will admit students in April and October, and will conduct entrance examinations twice a year.

General Admission Examination

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to Japanese university graduate (graduating from a 6-year undergraduate medical school) are evaluated through foreign language (external English examination) examination, oral examination and academic transcript.

Admission Policy of Graduate Program of Pharmacy

The department aims to develop human resources who will lead the field as educators and researchers in the field of pharmacy with a focus on clinical pharmacy, pharmacists who promote team medicine, pharmacists who are active as social leaders, administrative officials, pharmaceutical manufacturers and developers, and experts who are responsible for the practice of pharmaceutical collaboration and the development of health care and public health science, and who will contribute to human health and the advancement of academic research. The purpose of this program is to develop human resources who can lead the field and contribute to the advancement of people's health and academic research as pharmacists and administrative staff, pharmaceutical manufacturers and developers, and experts in the practice of pharmaceutical collaboration and the development of health care and public health science. To this end, students must possess a diverse and broad range of academic knowledge and a high level of expertise in pharmaceutical sciences, with a focus on clinical pharmacy, and the ability to integrate and apply this knowledge to conduct highly creative research, discover new findings, and solve problems, under a high ethical standard based on cross-disciplinary expertise in medicine, pharmacy, and nursing and respect for the human dignity.

Based on this objective, the program seeks students who meet the following criteria:

- Those who wish to become advanced pharmacists, medical professionals, researchers, educators, government officials, and pharmaceutical manufacturers and developers who are active in various fields of pharmaceutical sciences from the local to the international level.
- Those who have expertise in clinical pharmacy, life sciences, and related fields.
- Those who have a desire to solve problems in clinical pharmacy and other pharmacy-related fields by practicing cutting-edge pharmaceutical research, and to contribute to human health and the advancement of academic research.
- Those who should have the communication and expression skills to explain and discuss the content and value of research and pharmacy work with researchers and health care professionals in Japan and overseas.

[Basic Policy on Selection (Admission Examination Types and Their Evaluation Methods)]

In order to accept a diverse range of students, the university will admit students in April and October, and will conduct entrance examinations twice a year. In addition, a special entrance examination for international students will be conducted.

General Admission Examination

For admission selection, the applicant's motivation, enthusiasm and academic ability, equivalent to Japanese university graduate (graduating from a 6-year undergraduate Pharmacy school) are evaluated through a short essay and aptitude test, foreign language (English) examination, oral examination, and academic transcript.

Special Admission Examination for International Students

For admission selection, the applicant's motivation, enthusiasm and academic ability, equivalent to Japanese university graduate (graduating from a 6-year undergraduate Pharmacy school) will be evaluated based on a short essay and aptitude test, foreign language (English) examination, oral examination, and academic transcript.

II General Admission Examination

1. Summary of Admissions Selection Schedule

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Program | Application period | Examination date | Date of announcement of successful applicants | Admission procedures (deadline date) |
|-------------------------|------------------------------------------|-------------------------|-----------------------------------------------|-------------------------------------------------------------------------|
| Nursing Sciences | Friday, July 11 to Friday, July 18, 2025 | Friday, August 22, 2025 | Tuesday, September 2, 2025 | (Enrollment in October 2025) Friday, September 12, 2025 |
| Pharmaceutical Sciences | | | | (Enrollment in April 2026) Wednesday, January 21, 2026 (provisional) |
| Medical Sciences | | | | |
| Pharmacy | | | | |

Enrollment in April 2026(The second recruitment)

| Program | Application period | Examination date | Date of announcement of successful applicants | Admission procedures (deadline date) |
|-------------------------|------------------------------------------------|---------------------------|-----------------------------------------------|--------------------------------------|
| Nursing Sciences | Monday, January 19 to Monday, January 26, 2026 | Friday, February 20, 2026 | Friday, March 6, 2026 | Friday, March 13, 2026(provisional) |
| Pharmaceutical Sciences | | | | |
| Medical Sciences | | | | |
| Pharmacy | | | | |

(Note)If the first recruitment reaches the maximum number of applicants, the second recruitment may not be implemented.

The availability of the second recruitment will be announced on our website around November 2025.

2 Number of Students to be Admitted

| Program name | Enrollment in April 2026 Number of students to be admitted | Enrollment in October 2025 Number of students to be admitted | Remarks |
|-------------------------|---------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Nursing Sciences | 3 | A few | The number of applicants includes the admission quota (a few) for Special Admission Examination for International Students. |
| Pharmaceutical Sciences | 6 | A few | The number of applicants includes the admission quota (a few) for Special Admission Examination for International Students. |
| Medical Sciences | 30 | A few | - |
| Pharmacy | 4 | A few | The number of applicants includes the admission quota (a few) for Special Admission Examination for International Students. |
| Total | 43 | - | The number of students to be admitted for each program is an approximate number. |

(Note) Applicants for admission must consult with the relevant supervisor in the field of their choice in advance regarding the direction of education, research, etc. You cannot apply if you have not decided whom you want to be your supervisor.

The main purposes of the consultation are as follows.

- Confirmation of research field after admission
- Confirmation of the direction of the applicant's education and research

Please note that the content of the consultation will not directly affect the result of the entrance examination.

3. Eligibility for Application

-Doctoral Course (Nursing Sciences Program, Pharmaceutical Sciences Program)

Applicants must fulfill any of the following requirements:

- (1) Persons who hold a master's degree or a professional degree (under Article 104, Paragraph 1 of the School Education Act and 1953 Ministry of Education Ordinance No. 9, Article 5, Paragraph 2), or persons scheduled to fulfill said requirement by the end of the month prior to enrollment.
- (2) Persons who hold a degree equivalent to a master's degree or a professional degree in a foreign country, or persons scheduled to fulfill said requirement by the end of the month prior to enrollment the university.
- (3) Persons who hold a degree equivalent to a master's degree or a professional degree after having completed, while residing in Japan, the required courses in distance education conducted by a school outside of Japan, or persons scheduled to fulfill said requirement by the end of the month prior to enrollment the university.
- (4) Persons who hold a degree equivalent to a master's degree or a professional degree after having completed, while residing in Japan, a program at an educational institution that provides courses for a foreign graduate school accredited under the school education system of the relevant foreign country and that is specifically designated as such by the Minister of Education, Culture, Sports, Science and Technology (herein after referred to as MEXT), or persons scheduled to fulfill said requirement by the end of the month prior to enrollment the university.
- (5) Persons who have been designated by the MEXT(Ministry of Education Announcement No. 118 of 1989)
 - a. Persons who, after graduating from university, engaged in at least two years of research at a university or research institute and, based on the resulting research achievements, have been recognized as having academic ability equal to or higher than that of a person holding a master's degree or professional degree.
 - b. Persons who, after completing a 16-year course of study in the educational institutions of a foreign country, or after completing a 16-year course of study in the educational institutions of the relevant foreign country by taking in Japan the required courses in distance education conducted by a school outside of Japan, engaged in at least 2 years of research at a university or research institute and, based on the resulting research achievements, have been recognized by the Graduate School of Medicine and Pharmaceutical Sciences as having academic ability equal to or higher than that of a person holding a master's degree or professional degree.
- (6) Persons who are 24 years of age or older at the time of entrance, and after having undergone the preliminary qualification screening and have been determined to have a level of academic ability equal to or higher than that of a person holding a master's degree or professional degree.
- (7) Persons who hold or are expecting to obtain a master's degree or equivalent by the end of the month prior to enrollment., after completion of a course at the United Nations University (hereinafter referred to as UNU) as prescribed in Article 1 paragraph 2 of the Act on Special

Measures Incidental to Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University (Act No.72 of 1976), which was established under the resolution of the General Assembly of the United Nations on December 11, 1972.

- (8) Persons who have been recognized by the Graduate School of Medicine and Pharmaceutical Sciences as having academic ability equal to or higher than that of a person holding a master's degree after having completed the required course at the United Nations University or an educational institution in a foreign country described in (4) and who have passed the examination or screening prescribed in Article 16 paragraph 2 of the Rules on Graduate Schools, or the equivalent of the examination or screening.

(Note) Applicants who wish to apply under (5) and (6) will be screened for eligibility in advance. Please refer to "3. Examination of Eligibility for Application " on page 33 and follow the prescribed procedures.

-Doctoral Course (Medical Sciences Program, Pharmacy Program)

Applicants must fulfill any of the following requirements:

- (1) Persons who have graduated from a university (limited to courses in medicine, dentistry, pharmacy or veterinary science with a 6-year duration of study) and those who are expected to graduate by the end of the month before the month in which they wish to enter the university.
- (2) Persons who have been conferred a bachelor's degree by the National Institution for Academic Degrees and University Reform pursuant to the provisions of Article 104, Paragraph 7 of the School Education Law (limited to those who have taken courses in medicine, dentistry, pharmacy or veterinary science). Those who have received a bachelor's degree from the National Institution for Academic Degrees and University Evaluation (NIAD) by the end of the month before the month in which they wish to enroll.
- (3) Persons who have completed 18 years of school education (limited to courses in medicine, dentistry, pharmacy or veterinary science with a 6-year course of study) in a foreign country, and those who are expected to complete the course by the end of the month before the month in which they wish to enter the university.
- (4) Persons who have completed 18 years of school education in a foreign country (limited to courses in medicine, dentistry, pharmacy or veterinary science of 6 years duration) by taking correspondence courses offered by foreign schools in Japan, and those who are expected to complete such courses by the end of the month before the month in which they wish to enter the university.
- (5) Persons who has completed a course of study at a foreign university in Japan (limited to a course that certifies that the person who has completed the course has completed 18 years of school education (limited to a course in medicine, dentistry, pharmacy or veterinary science with a 6-year course of study) in the foreign country). at an educational institution in the foreign country designated separately by the Minister of Education, Culture, Sports, Science and Technology), or those who are expected to complete such course by the end of the month before the month of application.
- (6) A university or other school in a foreign country (limited to those that have been evaluated by a person accredited by the government of the foreign country or a relevant organization with regard to the overall status of its educational and research activities, etc., or those that are separately designated by the Minister of Education, Culture, Sports, Science and Technology as equivalent thereto). (limited to courses of medicine, dentistry, pharmacy, or veterinary science) (ii) Completion of a bachelor's degree (including completion of a course by

completing class subjects in correspondence courses provided by a school in a foreign country in Japan and completion of a course at an educational institution that is part of the school education system in a foreign country and has been designated under the preceding item) at a school in Japan (limited to a school separately designated by the Minister of Education, Culture, Sports, Science and Technology; hereinafter the same shall apply). Those who have received a degree equivalent to a bachelor's degree or are expected to receive a bachelor's degree by the end of the month before the month in which they wish to enter the university.

- (7) Persons designated by the Minister of Education, Culture, Sports, Science and Technology (Notification No. 39 of the Ministry of Education, Culture, Sports, Science and Technology, 1955)
 - 1) Persons who have completed a course of medicine or dentistry at a university under the former University Ordinance (Imperial Ordinance No. 388 of 1918) and graduated from such a university.
 - 2) Persons who have graduated from the National Defense Medical College under the Law for Establishment of Defense Agency (Law No. 164 of 1954).
 - 3) Persons who meet one of the following conditions and are recognized as having academic ability equivalent or superior to graduates of medical, dental, pharmaceutical or veterinary science at a university.
 - a. Persons who have completed a master's course (science, engineering, etc.) and those who are eligible to receive a master's degree (science, engineering, etc.)
 - b. Persons who have enrolled in a doctoral course that does not distinguish between two-year and three-year courses, have earned 30 credits, and have received necessary research guidance [including those who fall under Article 6, Item 1 of the Degree Regulations before the partial revision by the Ministerial Ordinance Amending the Degree Regulations (Ordinance of the Ministry of Education, Science and Culture No. 29 of 1974)].
 - c. Persons who has graduated from a university (excluding courses of medicine, dentistry, pharmacy, or veterinary science), or a person who has graduated from a university in a foreign country. c. A person who has graduated from a university (excluding courses in medicine, dentistry, pharmacy, or veterinary medicine) or completed a 16-year course under the School Education Law in a foreign country, and has been engaged in research at a university or research institute for 2 years or more, and has been approved by the graduate school or department based on the results of the said research.
- (8) Persons who Pursuant to the provisions of Article 102, Paragraph 2 of the School Education Act, an individual who has been admitted to a doctoral program (4-year course of study) at another graduate school and who is recognized by the Graduate School of Tohoku University as having the academic ability suitable to receive graduate education at the university to which he or she is admitted.
- (9) Applicants who have been admitted to the Graduate School of Medicine, Dentistry, Pharmacy or Veterinary Medicine (limited to courses in Medicine, Dentistry, Pharmacy with a 6-year duration of study, or Veterinary Medicine), and who have reached the age of 24 years at the time of admission. The applicant must be at least 24 years old at the time of admission.
- (10) person who has been enrolled in a university (limited to courses in medicine, dentistry, pharmacy or veterinary medicine with a duration of 6 years) for 4 years or more (including those who are specified by the Minister of Education, Culture, Sports, Science and Technology as equivalent thereto)..Those who are recognized by the Graduate School as having earned the prescribed credits with excellent grades during the period of enrollment.

(Note)

- Those who meet the qualifications (1) and have graduated from the Faculty of Medicine, Dentistry, or Pharmacy should obtain a license as a doctor, dentist, or pharmacist.
- Those who wish to apply under (6) should contact the Admissions Office of the Sugitani Campus in advance.
- Persons designated by the Minister of Education, Culture, Sports, Science and Technology" in the application qualifications (7) include those who have completed a master's degree program and have been approved by the graduate school. For details, please contact the Admissions Office of the Sugitani Campus.
- The "persons specified by the Minister of Education, Culture, Sports, Science and Technology" in (10) of the application qualifications include those who have completed an equivalent course of study in a foreign country. For details, please contact the Admissions Office of the Sugitani Campus.
- Applicants who wish to apply under (7) through (10) will be screened for eligibility in advance. Please refer to page 30, "3 Application for Eligibility" and follow the prescribed procedures.

4. Use of External English Test

Nursing Science Program does not have a written foreign language (English) examination, and the score of the submitted external English examination is converted to a perfect score of 100 points.

In the Pharmaceutical Sciences Program, Medical Sciences Program and Pharmacy program, those who cannot submit the score of an external English examination will be required to take a written examination in a foreign language (English).

If you have taken more than one test, submit the one with the highest converted score.

The types of external English tests are TOEFL-iBT, TOEFL-ITP, TOEIC L&R, TOEIC L&R-IP and IELTS.

Only the scores of the tests taken on and after December 1, 2022 are valid and acceptable.

- * Medical Sciences Program will not have a written foreign language (English) examination from the selection for admission in April 2026 [The second recruitment], and the score of the submitted external English examination will be converted to a perfect score of 100 points.
- * There is no limit on the examination date only for the Nursing Sciences Program.
- * Those who are expected to complete the Master's Course of the Graduate School of Medicine and Pharmaceutical Sciences by the end of the month prior to enrollment are not required to submit the application.

Score conversion method

- TOEFL-iBT

70 or more = 100 points

If less than 70

Converted point = $100 \times (\text{TOEFL-iBT score}) / 70$

- TOEFL-ITP

525 or more = 100 points

If less than 525

Converted point = $100 \times \{(\text{TOEFL-ITP score}) - 310\} / 215$,

310 or less = 0 point

- TOEIC L&R, TOEIC L&R-IP

730 or more = 100 points

If less than 730

Converted point = $100 \times (\text{TOEIC score}) / 730$

- IELTS

6.0 or more = 100 points

If less than 6.0

Converted point = $100 \times \{(\text{IELTS score}) - 1\} / 5$

5. Short-term Completion Program for Working Adults

(1) Outline of the "Short-term Completion Program for Working Adults"

The Graduate Program of Pharmaceutical Sciences and the Graduate Program of Pharmacy of the Graduate School of Medicine and Pharmaceutical Sciences at the University of Toyama offer a short-term completion program*for working adults with a certain level of research achievement in April 2025.

This system is designed to allow students to have their existing research achievements as working professionals recognized as "outstanding research achievements" as stipulated in the Graduate School of Medicine and Pharmaceutical Sciences regulations of the University. The Pharmaceutical Sciences Program allows students to shorten the standard three years to a minimum of one year. In the case of the Pharmacy Program, the standard four years is reduced to a minimum of three years, with the aim of obtaining a doctoral degree (Pharmaceutical Sciences) or doctoral degree (Pharmaceutical Sciences), respectively.

* The entrance examination for this program will be conducted within the framework of the general entrance examination.

However, as a result of the screening of your achievements in the entrance examination, you may be accepted into a regular doctoral course (standard term of study: 3 years) or a doctoral course (standard term of study: 4 years) instead of the Short-term Completion Program for Working Adults.

(2) Application Eligibility and Application Procedure

This is a special system established for the Pharmaceutical Sciences Program and the Pharmacy Program. In addition to the General Admission Examination requirements for the Pharmaceutical Sciences Program or the Pharmacy Program, applicants must also meet the application requirements for this program.

Please note that meeting the application requirements does not guarantee admission to the Short-term Completion Program for Working Adults.

[Application Requirements]

Applicants must meet one of the following requirements and have had prior consultation with the academic advisor in the field of their choice regarding the direction of their education and research, and have obtained the approval of the academic advisor in the field of their choice before applying.

1. At least two academic papers that are the basis for a dissertation, published or accepted for publication in an academic journal, in which the degree applicant is the first author (including a statement that the applicant's contribution is equivalent to that of the first author).

*Only one of the academic papers published (or to be published) in which the applicant is clearly stated to have made a contribution equivalent to that of the first author is considered as the first author.

2. The applicant must be the first author (including a statement of contribution equivalent to that of the first author) of at least one academic paper that forms the basis of the dissertation and that has been published or accepted for publication in a journal with an IF of 5 or higher.

The IF must be the latest at the time of submission to the journal.

3. At least one academic paper that is the basis for the dissertation, which is published or accepted for publication in an academic journal with a site score percentile of 90% or higher, in which the degree applicant is the first author (including a statement that the applicant is making a contribution equivalent to that of the first author).

The site score percentile should be the latest at the time of submission to the journal.

The "academic paper" must meet the University of Toyama's definition of an academic paper (as determined by the University of Toyama Board of Directors), and in the case of the Graduate Program of Pharmaceutical Sciences, it must be based on research conducted as an adult worker after completing a master's degree or a master's course. In the case of the Graduate Program of Pharmacy, the thesis must be based on research conducted as a working adult after graduation from a six-year undergraduate program, and must be published or accepted for publication in an academic journal.

Please refer to page 31 to 32 for detailed application documents.

Other matters (application period, etc.) are the same as those for the general entrance examination.

6. Selection Method for Admission to Graduate Program of Nursing Sciences

For admission selection, the applicant's academic ability and motivation, ability, etc. equivalent to completion of a master's degree program, will be evaluated based on a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of External English Test" on page 14), oral examination, and academic transcript.

Applicants who are expected to complete the Graduate School of Medicine and Pharmaceutical Sciences Master's Program in Nursing Sciences or the Graduate School of Medicine and Pharmaceutical Sciences Master's Program in Nursing Major by the end of the month prior to enrollment are not required to take the written examination.

(1) Short essay and aptitude test

- The aptitude test requires basic knowledge of your desired field.

(2) Oral examination

- After a presentation on the master's thesis or its equivalent, applicants will be interviewed individually regarding their master's thesis, educational and practical achievements in their field of specialization, research skills, etc.

(3) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|-------------------------|---------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, August 22, 2025 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination* | |

Enrollment in April 2026 (The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---------------------------|---------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, February 20, 2026 | From 11:00 to 12:00 | Short essay and aptitude test*1 | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination* | |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

7. Selection Method for Admission to Graduate Program of Pharmaceutical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability, motivation, ability, etc. equivalent to completion of a master's degree program, will be evaluated based on a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of External English Test" on page 14), oral examination, and academic transcript. Applicants who are expected to complete the Graduate Program of Medicine and Pharmaceutical Sciences by the end of the month prior to enrollment not required to take the Short essay and aptitude test and Foreign Language (English).

(1) Foreign Language (English)

If you use an external English examination, you will not be required to take a written examination in a foreign language (English).

(2) Short essay and aptitude test

- The aptitude test requires basic knowledge of your desired field.

(3) Oral examination

- Questions such as Master's thesis and related research papers or work experience are asked.

(4) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|-------------------------|---------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, August 22, 2025 | From 9:30 to 10:30 | Foreign Language (English) | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 11:00 to 12:00 | Short essay and aptitude test | |
| | From 13:30 | Oral examination* | |

Enrollment in April 2026 (The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---------------------------|---------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, February 20, 2026 | From 9:30 to 10:30 | Foreign Language (English) | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 11:00 to 12:00 | Short essay and aptitude test | |
| | From 13:30 | Oral examination* | |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

8. Selection Method for Admission to Graduate Program of Medical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to Japanese university graduate (graduating from a 6-year undergraduate medical school) are evaluated through foreign language (external English examination) examination (refer to "4. Use of External English Test" on page 14), oral examination and academic transcript.

(1) Foreign Language (English)

*1 The written examination will be administered until the selection of applicants for admission in April 2026 (1st session) and October 2025, after which no written examination will be administered and only an external English examination will be used.

If you use an external English examination, you will not be required to take the written examination in English.

(2) Oral examination

- You will be asked about your major and educational field of interest.

(3) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|-------------------------|--------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, August 22, 2025 | From 9:30 to 11:00 | Foreign Language (English) *1 | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:00 | Oral examination*2 | |

Enrollment in April 2026 (The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---------------------------|------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, February 20, 2026 | From 13:00 | Oral examination*2 | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |

*2 The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

9. Selection Method for Admission to Graduate Program of Pharmacy

For admission selection, the applicant's motivation, academic ability and ability, equivalent to Japanese university graduate (graduating from a 6-year undergraduate Pharmacy school) are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of External English Test" on page 14) oral examination, and academic transcript.

(1) Foreign Language (English)

If you use an external English examination, you will not be required to take the written examination in English.

(2) Short essay and aptitude test

- The aptitude test requires basic knowledge of your desired field.

(3) Oral examination

- You will be asked about what the graduation thesis and related research papers and others are acceptable, etc.

(4) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|-------------------------|---------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, August 22, 2025 | From 9:30 to 10:30 | Foreign Language (English) | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 11:00 to 12:00 | Short essay and aptitude test | |
| | From 13:30 | Oral examination* | |

Enrollment in April 2026 (The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---------------------------|---------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, February 20, 2026 | From 9:30 to 10:30 | Foreign Language (English) | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 11:00 to 12:00 | Short essay and aptitude test | |
| | From 13:30 | Oral examination* | |

* The starting time of the oral examination may vary depending on the number of applicants.
We will inform you of any changes, if any, when we issue you the Examination Voucher.

III Special Admission Examination for International Students

1. Summary of Admissions Selection Schedule

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Program | Application period | Examination date | Date of announcement of successful applicants | Admission procedures (deadline date) |
|-------------------------|------------------------------------------|-------------------------|-----------------------------------------------|-------------------------------------------------------------------------|
| Nursing Sciences | Friday, July 11 to Friday, July 18, 2025 | Friday, August 22, 2025 | Tuesday, September 2, 2025 | (Enrollment in October 2025) Friday, September 12, 2025 |
| Pharmaceutical Sciences | | | | (Enrollment in April 2026) Wednesday, January 21, 2026 (provisional) |
| Pharmacy | | | | |

Enrollment in April 2026 (The second recruitment)

| Program | Application period | Examination date | Date of announcement of successful applicants | Admission procedures (deadline date) |
|-------------------------|------------------------------------------------|---------------------------|-----------------------------------------------|--------------------------------------|
| Nursing Sciences | Monday, January 19 to Monday, January 26, 2026 | Friday, February 20, 2026 | Friday, March 6, 2026 | Friday, March 13, 2026(provisional) |
| Pharmaceutical Sciences | | | | |
| Pharmacy | | | | |

(Note)If the first recruitment reaches the maximum number of applicants, the second recruitment may not be implemented.

The availability of the second recruitment will be announced on our website around November 2025.

2. Number of Students to be Admitted

| Program name | Number of students to be admitted | Remarks |
|-------------------------|-----------------------------------|-----------------------------------------------------------------------------|
| Nursing Sciences | A few | This admission quota is included in that for general admission examination. |
| Pharmaceutical Sciences | A few | This admission quota is included in that for general admission examination. |
| Pharmacy | A few | This admission quota is included in that for general admission examination. |

(Note) Applicants for admission must consult with the relevant academic advisors in the field of their choice in advance regarding the direction of education, research, etc. You cannot apply if you have not decided who you want to be your academic advisor.

The main purposes of the consultation are as follows.

- Confirmation of research field after admission
- Confirmation of the direction of the applicant's education and research

Please note that the content of the consultation will not directly affect the result of the entrance examination.

3. Eligibility for Application

Doctoral Course (Nursing Sciences Program, Pharmaceutical Sciences)

Those who have foreign nationality and satisfy any of the following requirements are eligible to apply.

Applicants for the Special Entrance Examination for International Students for the Doctoral Program in Nursing Science must have a foreign nationality, meet one of the qualifications for application, and be able to speak Japanese in daily conversation.

- (1) A person who has received or will receive by the end of the month prior to enrollment, a degree equivalent to a master's degree or a special professional degree from a foreign country.
- (2) Applicants who have been admitted to the program with a degree equivalent to or higher than a master's or professional degree and who have reached the age of 24 at the time of admission by individual admission screening.

(Note) Applicants who wish to apply with the eligibility (2) are screened for eligibility in advance. Please refer to "3. Examination of Eligibility for Application" on page 35.

Doctoral Course (Pharmacy Program)

Those who have foreign nationality and satisfy any of the following requirements are eligible to apply.

- (1) Applicants must have completed 18 years of school education (limited to medicine, dentistry, pharmacy or veterinary science with a 6-year course of study) in a foreign country. (2) Applicants who have completed or expect to complete 18 years of school education (limited to medicine, dentistry, or six years of pharmacy or veterinary science) in a foreign country.
- (2) Those who have received an evaluation of the overall status of their educational and research activities from a foreign university or other foreign school (limited to those that have been evaluated by a person accredited by a foreign government or related organization or those that have been designated by the Minister of MEXT as equivalent to such evaluation). (limited to courses in medicine, dentistry, pharmacy, veterinary medicine, etc.). (This includes completing a course of study in Japan by taking correspondence courses offered by a foreign school or completing a course of study at an educational institution in the school education system of that foreign country that has been designated under the preceding item). The applicant must have received a degree equivalent to a degree of a relevant field of study (including completion of a course of study in a foreign country by completing a course of study in that country and completing a course of study in an educational institution designated under the preceding item), or expect to receive such a degree by the end of the month preceding the month of application.
- (3) Applicants who have been recognized through an individual eligibility screening by this graduate school as having academic ability equivalent to or higher than that of a graduate of a university program in medicine, dentistry, pharmacy (six-year program), or veterinary medicine, and who will be at least 24 years old at the time of enrollment.
- (4) Applicants who have been admitted to another university program (limited to a four-year program) pursuant to Article 102, Section 2 of the School Education Law. (4) Students who have been admitted to another university's doctoral program (limited to a four-year program) under Article 102, Section 2 of the School Education Law, and who are deemed by the graduate school of the university to have the academic ability to receive a university education at the university to which they are subsequently admitted.

(Note) Applicants who wish to apply with the eligibility (3), (4) are screened for eligibility in advance. Please refer to "3. Examination of Eligibility for Application" on page 35.

4 Use of External English Test

Nursing Science Program does not have a written foreign language (English) examination, and the score of the submitted external English examination is converted to a perfect score of 100 points.

For the Pharmaceutical Sciences program and Pharmacy program, an applicant who has submitted a score of the external English test will not take a written foreign language (English) examination, and the applicant's proficiency is judged based on the score of the submitted external English test, which is converted on a 100-point scale basis. Applicants who cannot submit the score of the external English tests will take a written language (English) examination.

If you have taken more than one test, submit the one with the highest converted score.

The types of external English tests are TOEFL-iBT, TOEFL-ITP, TOEIC L&R, TOEIC L&R-IP and IELTS.

Only the scores of the tests taken on and after December 1, 2022 are valid and acceptable.

* There is no limit on the examination date only for the Nursing Sciences Program program.

* Those who are expected to complete the Master's Course of the Graduate School of Medicine and Pharmaceutical Sciences or the Master's Course of the Graduate School of Medicine and Pharmaceutical Sciences by the end of the month prior to enrollment are not required to submit the application.

Score conversion method

- TOEFL-iBT

70 or more = 100 points

If less than 70

Converted point = $100 \times (\text{TOEFL-iBT score})/70$

- TOEFL-ITP

525 or more = 100 points

If less than 525

Converted point = $100 \times \{(\text{TOEFL-ITP score}) - 310\}/215$,
310 or less = 0 point

- TOEIC L&R, TOEIC L&R-IP

730 or more = 100 points

If less than 730

Converted point = $100 \times (\text{TOEIC score})/730$

- IELTS

6.0 or more = 100 points

If less than 6.0

Converted point = $100 \times \{(\text{IELTS score}) - 1\}/5$

5. Selection Method for Admission to Graduate Program of Nursing Sciences

For admission selection, the applicant's academic ability and motivation, ability, etc. equivalent to completion of a master's degree program, will be evaluated based on a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of External English Test" on page 23), oral examination, and academic transcript.

Applicants who are expected to complete the Graduate School of Medicine and Pharmaceutical Sciences Master's Program in Nursing Sciences in the month before the month in which you wish to enroll are not required to take the Short essay and aptitude test.

(1) Short essay and aptitude test

- The aptitude test requires basic knowledge of your desired field.

(2) Oral examination

- After a presentation on the master's thesis or its equivalent, applicants will be interviewed individually regarding their master's thesis, educational and practical achievements in their field of specialization, research skills, etc.

(3) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|-------------------------|---------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, August 22, 2025 | From 11:00 to 12:00 | Short essay and aptitude test | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination* | |

Enrollment in April 2026 (The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---------------------------|---------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, February 20, 2026 | From 11:00 to 12:00 | Short essay and aptitude test*1 | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 13:30 | Oral examination* | |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

6. Selection Method for Admission to Graduate Program of Pharmaceutical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability, motivation, ability, etc. equivalent to completion of a master's degree program, will be evaluated based on a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of External English Test" on page 23), oral examination, and academic transcript.

Applicants who are expected to complete the Graduate Program of Medicine and Pharmaceutical Sciences in the month prior to the month in which they wish to enter the university are not required to take the Short essay and aptitude test and Foreign Language (English).

(1) Foreign Language (English)

who use an external English examination are not required to take a written examination in a foreign language (English).

(2) Short essay and aptitude test

- The aptitude test requires basic knowledge of your desired field.

(3) Oral examination

- Questions such as Master's thesis and related research papers or work experience are asked.

(4) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|-------------------------|---------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, August 22, 2025 | From 9:30 to 10:30 | Foreign Language (English) | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 11:00 to 12:00 | Short essay and aptitude test | |
| | From 13:30 | Oral examination* | |

Enrollment in April 2026 (The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---------------------------|---------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, February 20, 2026 | From 9:30 to 10:30 | Foreign Language (English) | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 11:00 to 12:00 | Short essay and aptitude test | |
| | From 13:30 | Oral examination* | |

* The starting time of the oral examination may vary depending on the number of applicants. We will inform you of any changes, if any, when we issue you the Examination Voucher.

. Selection Method for Admission to Graduate Program of Pharmacy

For admission selection, the applicant's motivation, enthusiasm and academic ability, ability, equivalent to Japanese university graduate (graduating from a 6-year undergraduate Pharmacy school) are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of External English Test" on page 23), oral examination, and academic transcript.

(1) Foreign Language (English)

If you use an external English examination, you will not be required to take the written examination in English.

(2) Short essay and aptitude test

- The aptitude test requires basic knowledge of your desired field.

(3) Oral examination

- You will be asked about what the graduation thesis and related research papers and others are acceptable, etc.

(4) Examination Date and Venue

Enrollment in April 2026(The first recruitment) and Enrollment in October 2025

| Examination date | Time | Examination subjects, etc. | Examination venue |
|-------------------------|---------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, August 22, 2025 | From 9:30 to 10:30 | Foreign Language (English) | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 11:00 to 12:00 | Short essay and aptitude test | |
| | From 13:30 | Oral examination* | |

Enrollment in April 2026 (The second recruitment)

| Examination date | Time | Examination subjects, etc. | Examination venue |
|---------------------------|---------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Friday, February 20, 2026 | From 9:30 to 10:30 | Foreign Language (English) *1 | Sugitani Campus (Campus for Medicine and Pharmaceutical Sciences) University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture |
| | From 11:00 to 12:00 | Short essay and aptitude test | |
| | From 13:30 | Oral examination* | |

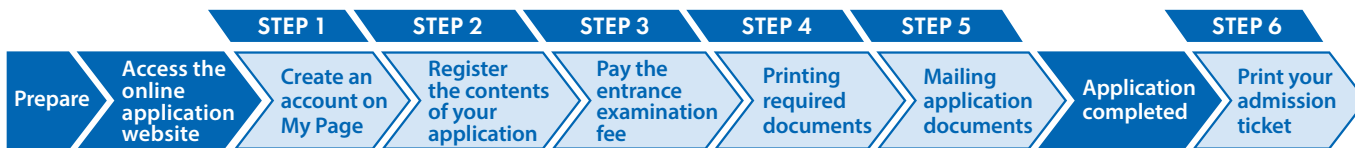
* The starting time of the oral examination may vary depending on the number of applicants.
We will inform you of any changes, if any, when we issue you the Examination Voucher.

IV General Procedure of Application and Admission

1. Application Procedures

Applications must be submitted online only. The application procedure is completed by sending the required documents by registered express mail within the application period after the registration and payment of the application fee on the online application website. Please read the following "Online Application Procedure" carefully and follow the instructions.

Online Application Procedure



Prepare

see page 31

Prepare a PC with an Internet connection and a printer, etc. It may take time for the required documents* to be issued. Please start preparing them early and ensure that you have them with you before applying.

*Required Documents : An official transcript, data of your photo, etc.
For details, refer to page 29 of the application guidelines.



Access the Online Application Website

Access from the
Online Application
website
or
the University
website

<https://e-apply.jp/ds/toyama-gs/>

<https://www.u-toyama.ac.jp/>



After completing registration on the online application website (STEP 2), the application is completed by paying the examination fee (STEP 3), printing and mailing the required documents (STEP 4, STEP 5). Please note that your application is not complete just by registering. Online applications are available 24 hours a day. However, application documents must arrive by 17:00 on the last day of the application period. Please make sure to give yourself plenty of time when applying.

STEP

1

Create an Account on My Page

Enter the required information according to the instructions on the screen to create an account on My Page. If you have already registered on My Page, proceed to STEP 2.



① If you are registering for the first time, click

My Page Registration

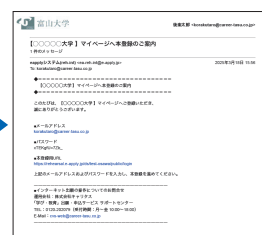


② Register your e-mail address and click on

Send an e-mail for temporary registration



③ Click on the
To the log-in page from the user registration screen.



④ A default password and a registration URL will be sent to your registered e-mail address.

*Configure your e-mail settings to receive e-mails from the @e-apply.jp domain.



⑤ From the log-in screen, use your registered e-mail address and the default password you received in ④ and click

log-in



⑥ Change your default password.



⑦ Enter your personal information and click

Next



⑧ Confirm your personal information and click
Register this information



⑨ Registration is complete. Click **To My Page**



⑩ When the above page appears, My Page registration is complete.

* You can proceed to the application procedures by clicking on the **Apply** button only while applications are being accepted. You cannot proceed from here onward during times outside the period. Click on the **Log-out** button.

STEP

2



Register the Contents of Your Application

Make sure to check the procedures and important notices on the screen, and then enter the required fields according to the instructions on the screen.



① After logging in to My Page, click on the **Apply** button, and the registration page will appear.



② Select an entrance exam and confirm the important notices.



③ Select the desired department, etc.



④ Upload a photo. Click on the **Select Photo** button to select a photo.



⑤ Enter your information entrance (name, address, etc.).



⑥ Confirm the contents of your application. Click on the **Application Form (sample)** button to check your application form.



⑦ Your application is registered. Click on the **Pay** button to proceed to the page where you can pay your entrance examination fee.



⑧ Payment methods for examination fees.
● Convenience stores
● ATMs with Pay-easy
● Online banking
● Credit cards



⑨ Document required for the application in PDF format (Sample)

*This document can be printed out after the entrance examination fee is paid.

If you have selected "Convenience Stores" or "ATMS with Pay-easy" as your payment method, write down the payment number, which will appear after the selection of a payment method, in the memo space below, and make the payment at a convenience store or an ATM with Pay-easy within the designated payment deadline.

For 7-ELEVEN

Payment slip number Memo (13 digits)

For LAWSON, MINISTOP, FamilyMart, ATMS with Pay-easy

Customer number memo (11 digits)

Confirmation number memo (6 digits)

For Daily YAMAZAKI, Seicomart

Online payment number by Memo (11 digits)

Receiving agency number (5 digits) 5 8 0 2 1

*A receiving agency number is required for payment Pay-easy.

A confirmation e-mail will be sent to you after the application registration is completed. If you have restricted the reception of e-mails, please allow e-mails from the sender (@e-apply.jp) to be received. *Please note that confirmation e-mails may be sorted into your junk e-mail folder, etc.

Please be careful not to enter incorrect information, as the registered information cannot be changed or modified after the application registration is completed. However, if you have not yet paid the entrance examination fee, you can substantially modify the information by re-registering using the correct information.

*Please note that if you have selected a credit card for the "Payment Method for the Entrance Examination Fee," the payment will be completed simultaneously with the registration for application.

STEP

3



Pay the Entrance Examination Fee

1 Credit Card Payment

You can select this method and make a payment when registering your application.

[Accepted Credit Cards]

VISA, Master, JCB, AMERICAN EXPRESS, MUFG Card, DC Card, UFJ Card, NICOS Card



Payment is completed upon registration.

2 Online Banking Payment

After registering your application, you will be redirected to the page of each financial institution from the current page. Please follow the instructions on the screen to make the payment.

*For online payment, your bank account must be signed up for internet banking.

The procedures are completed online.

3 Convenience Store Payment

Payment at a convenience store can be made using the payment number that will appear after you have registered the application information.

● Payment can be made at a cash register.

● Payment can be made using a store terminal.



Loppi



Multi-functional copy machine

あなたも、コンビニ。 FamilyMart



4 Bank ATMs with Pay-easy

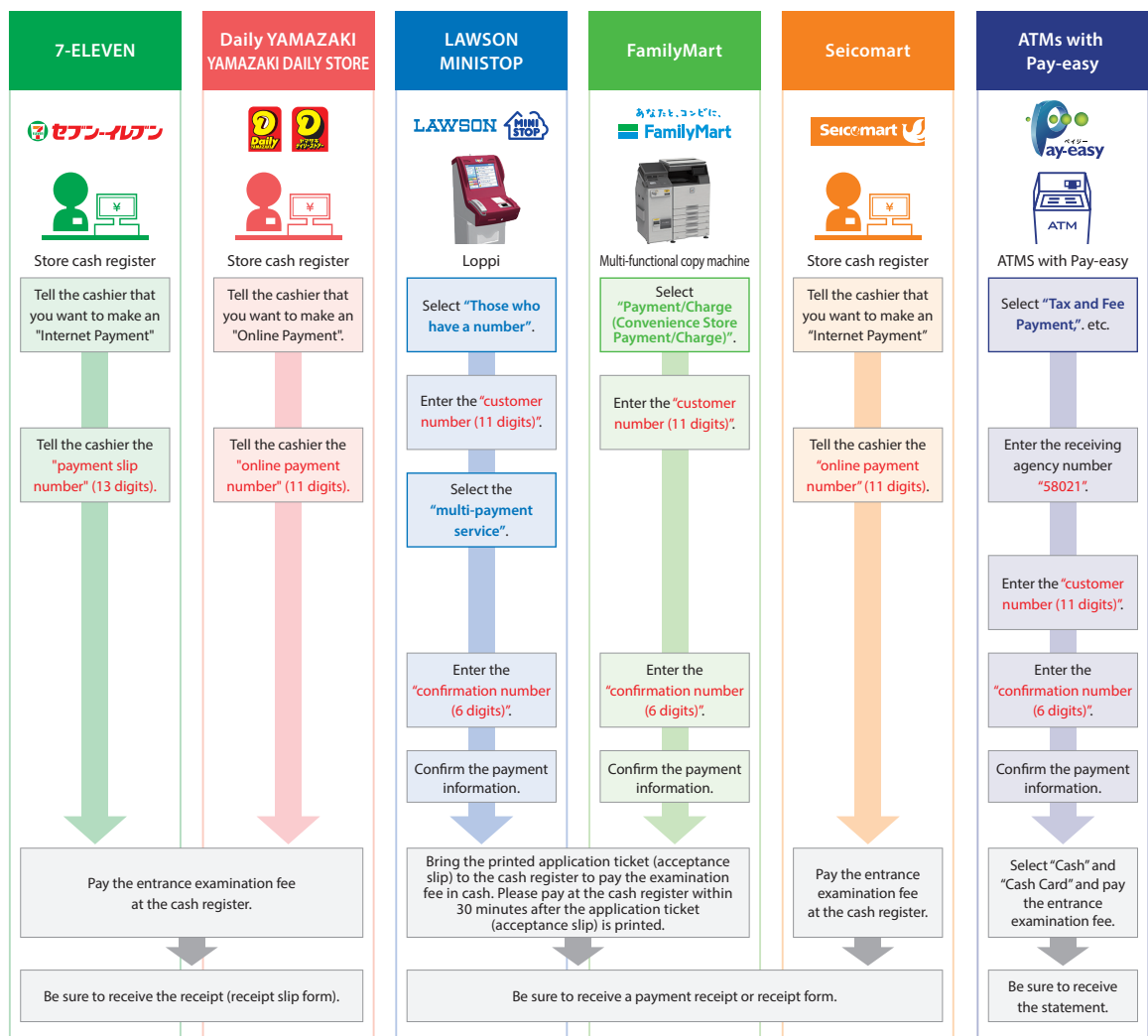
Payment can be made using the payment number that will appear after you have registered the application information at bank ATMs with Pay-easy by following the instructions on the ATM screen.



*Please check the "Payment Method Selection" screen to see the banks that offer this payment method.

Enter the required information following the instructions on the screen of each convenience store terminal or ATM and confirm the details before paying the entrance examination fee.

3 Convenience Stores



4 Bank ATMs

STEP

4



Printing required documents

Please log in from the "Confirm Application/Print Application Form" button and print the application form and other required documents in color on A4 paper.

Application form PDF (image)



STEP

5



Mailing application documents

Please note that your application is not complete just by registering.

Please send the documents required for the application by "Registered express mail" from the post office window during the application period.

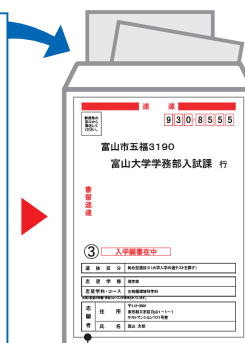
■ Application Documents

One copy is required for each application registration.

Please refer to pages 33 to 34 of the university's application guidelines to prepare the documents required for application.

<Deadline for submission of application documents>

See page33



Address sheet



Post office window

The mailing address for the application documents is automatically printed on the address sheet.

Paste the address sheet on a commercially available square No. 2 envelope (240mm x 332mm) please.

Once received, the application fee and application documents will not be returned except for reasons specified in the application guidelines.

< Application completed >

We will not respond to any inquiries regarding acceptance by telephone or other means.

STEP

6



Print your admission ticket see page 35

You will be able to print your admission ticket from the online application site after the date of issuance of your admission ticket. Please log in from the "Print Examination Ticket" button and print it. Be sure to print the admission ticket in color on A4 paper and bring it with you on the day of the examination.



(1) Advance Preparation

| Documents, etc. | summary |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended System Environment | <p>Recommended browsers for PC</p> <ul style="list-style-type: none"> - Microsoft Edge (latest version) - Google Chrome (latest version) - Mozilla Firefox (latest version) - Apple Safari (latest version) <p>※If you use your browser's tab function to make multiple applications at the same time in several tabs, the selected content may be carried over to another tab, or other problems may occur. Please refrain from using multiple tabs at the same time. To return to the previous screen, please use the "Back" button on the screen instead of your browser's "Back" button.</p> <p>Recommended Smartphone and Tablet Browsers and OS</p> <p>The standard browser for each operating system is the recommended environment.</p> <ul style="list-style-type: none"> - iOS: 12 or later - Android OS: 8 or later - iPadOS: 13 or later <p>※If one browser does not display the page properly, please check with another browser.</p> <p>※You may not be able to view PDF files from the PC version of Chrome when operating from an Android smartphone, so please use the mobile version.</p> |
| Software needed for downloading or printing PDF files | Adobe Reader is necessary to view or print the application form in a PDF format. Please download the Adobe Reader software from the Adobe website (free download). |
| E-mail address | <p>A valid email address is required for your application. Please be ready to provide your email address when you start your online registration for application.</p> <p>We recommend that you use an email address that can be used with a computer in order to print out the application form.</p> <p>Also, please check your email settings to ensure that you receive emails from the following domain: @e-apply.jp</p> |
| Personal photo | <p>Face photo of the applicant in the application (jpeg, jpg, png, bmp) is required. File will be up to 10MB.</p> <p>A photo size ratio of 4:3 is recommended.</p> <p>The photo will be used for identification purposes.</p> <p>Please prepare a clear (front-facing, upper body, no hat, no background) photograph in color taken within 3 months prior to submission.</p> <p>It should be noted that, if it is determined that it is not suitable as application photos, there is a case to be re-submitted.</p> |
| Printer | In order to output the application form and examination admission ticket (PDF), print on A4 plain paper. You need a color printer that can be used with printing paper (plain paper, PPC paper, OA common paper, copy paper, etc.) Please to mind. |
| Square 2 envelope | Use a commercially available square 2 envelope (240 mm x 332 mm). Please use the "address sheet" that is output when you print the admission application form and paste it on the envelope. |

(2) Application Period

| Category | | Application Period |
|------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Enrollment in October 2025 | General Admission Examination Special Admission Examination for International Students | Friday, July 11 to Friday, July 18, 2025 at 17:00 |
| Enrollment in April 2026 (The first recruitment) | General Admission Examination Special Admission Examination for International Students | |
| Enrollment in April 2026 (The second recruitment) | General Admission Examination Special Admission Examination for International Students | Monday, January 19 to Monday, January 26, 2026 at 17:00 |

Registration for online application and payment of the application fee are available from 9:00 a.m. on the first day of each application period.

If you hand in the documents in person to the University, they are accepted between 9:00 and 17:00 on weekdays.

If you mail them, they must reach the University by 17:00 on Application deadline. However, we will accept application documents even when they reach the University after the expiration of the application period on condition that they are delivered by registered express mail with a postmark before the day before the application deadline.

(3) Examination Fee

30,000 yen.

Payment of the examination fee will be made after completion of the registration of application details in STEP 2 on page 26. Please apply through the university's "Online application website (<https://e-apply.jp/ds/toyama-gs/>)" and pay the application fee after completing the applicant registration. Please check the payment method in STEP 3 (Payment of the Examination Fee) on page 27. After paying the application fee, you will be able to print out the application form.

A separate handling fee is required for payment of the examination fee. The fee is to be paid by the payer.

However, if you are currently enrolled in a master's course or a master's course at a graduate school of the University of Toyama and wish to continue to a doctoral course or a doctoral program of the Graduate School, you are not required to pay the "examination fee".

In addition, there is a system of exemption from the examination fee for those affected by disasters. For more information, please refer to the University's website.

Once the examination fee has been received, it will not be refunded for any reason, except in the following cases.

[1] Cases in which a refund of the examination fee may be requested and the amount of refund.

(i) If you paid the application fee but did not apply to the University of Toyama (did not submit the application documents, etc. or your application was not accepted) [Refund Amount] 30,000 yen

(ii) In case of double payment of the examination fee [Refund Amount] 30,000 yen

(iii) If you have paid a large amount of the examination fee [Refund Amount] The amount you have paid in excess of the examination fee

Please note that any bank transfer fees associated with the refund must be borne by the recipient.

[2] Method of claiming refund

Please fill out the attached "written claim for refund of examination fee" and mail it to the University.

Send to: Accounting Division I of Finance and Facilities Department

University of Toyama 3190 Gofuku, Toyama City, Toyama 930-8555

Phone: 076-445-6053

(4) Application Documents

Applicants must submit the required documents in an envelope with an "address sheet" attached. If mailed, please use by registered express mail (EMS or other traceable means if mailing from abroad). Applicants must send the required documents after the payment of the examination fee in STEP 3 on page 27 is completed.

Documents to be printed from the Online application website

| Documents, etc. | | Notes |
|-----------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [1] | Application for admission | Please print out the application form in A4 size in color from the Online application website. Printing is available after payment of the application fee. |
| [2] | Address sheet | Please print out the application form in A4 size in color from the Online application website. Attach it to a commercially available square 2 envelope (240mm x 332mm) without peeling off. |
| [3] | Pledge | Please print out the application in A4 size from the Online application website. See "8 Security Export Control" on page 37. |

Be sure to check the printed information for errors.

Documents to be prepared by applicants

| Documents, etc. | | Description |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [1] | Certificate of Completion (Certificate of Expected Completion) (Only for applicants to the Nursing Sciences Program, Pharmaceutical Sciences Program) | The document shall be prepared by the president (dean of the graduate school) of the university from which the applicant graduated. (Applicants who have graduated from the University of Toyama's Master's and Master's programs do not need to submit it.) |
| [2] | Certificate of graduation (Certificate of expected graduation) (Only for applicants to the Medical Sciences Program, Pharmacy Program) | The document shall be prepared by the president (dean) of the university the applicant graduated from. (Applicants who have graduated or are expected to graduate from University of Toyama do not need to submit it.) |
| [3] | Academic Transcript (Only for applicants to the Nursing Sciences Program, Pharmaceutical Sciences Program) | The document shall be prepared and sealed by the president or dean of the graduate school the applicant graduated from. However, no sealing is required when anti-counterfeiting and anti-copying paper is used. |
| [4] | Academic transcript | The document shall be prepared and sealed by the president or dean of the university the applicant graduated from. However, no sealing is required when anti-counterfeiting and anti-copying paper is used. |
| [5] | Master's thesis or its replacement (for applicants to the Nursing Sciences Program, Pharmaceutical Sciences Program) | 1 copy (Applicants who have applied for the qualification may alternatively submit a "List of research papers and documents (including conference presentations)" (in the form prescribed by the University)). (Applicants who apply for the qualification may submit "List of Research Documents (including conference presentations)" (in the format prescribed by the University) instead of the above. |

| | | |
|------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [6] | Abstract of the above thesis or dissertation (for applicants to the Nursing Sciences Program, Pharmaceutical Sciences Program) | 2 copies One A4 size paper, no more than one page (two pages in total with figures and tables on a separate page), clearly marked with the title of the paper, your name and company name. The main text should be no less than 11-point font size with a minimum of 20 mm margins on the top, bottom, left and right sides of the main body. (Applicants who are applying for the qualification may alternatively submit a "Summary of research and work (A4 size, approximately 2,000 words)"). |
| [7] | Graduation thesis or its replacement (Applicants to the Doctoral Program in Pharmacy) | 1 copy (Applicants who have applied for the qualification may alternatively submit a "List of research papers and documents (including conference presentations)" (in the form prescribed by the University)). (Applicants who apply for the qualification may submit "List of Research Documents (including conference presentations)" (in the format prescribed by the University) instead of the above. |
| [8] | Abstract of the above thesis or dissertation (Applicants to the Doctoral Program in Pharmacy) | 2 copies One A4 size paper, no more than one page (two pages in total with figures and tables on a separate page), clearly marked with the title of the paper, your name and company name. The main text should be no less than 11-point font size with a minimum of 20 mm margins on the top, bottom, left and right sides of the main body. (Applicants who are applying for the qualification may alternatively submit a "Summary of research and work (A4 size, approximately 2,000 words)"). |
| [9] | Letter of approval for taking the examination | Students who are currently enrolled in other graduate schools, etc., or who are currently employed in government agencies, corporations, etc., are requested to attach an examination approval form from the dean or head of the relevant graduate school. (Any form acceptable) |
| [10] | Copy of Certificate of Residence, etc. (Persons with foreign nationality only) | An applicant who has a foreign nationality and currently lives in Japan is requested to submit a copy of their residence certificate or residence card (with both sides copied) issued by the mayor of the city, town or village or the head of the special ward. |
| [11] | TOEFL / TOEIC / IELTS Score Sheet (copy) (Only for relevant applicants) | Submit the copy score sheet for one of the following tests. If you are unable to submit your score sheet at the time of application, please submit a document indicating that you have taken or are planning to take the following examination (e.g. a copy of the examination admission card) and submit the score sheet (copy) before the day of the admission examination. [1] Score Report for the applicant of TOEFL-iBT [2] Score Report of TOEFL-ITP [3] Official Score Certificate of TOEIC Listening & Reading [4] Score Report of TOEIC L&R-IP [5] Test Report Form-TRF of IELTS Only the score sheets of the tests taken on and after December 1, 2022 are valid and acceptable. *Excludes the Nursing Science Program. Please be sure to bring the original to the examination to be verified on the day of the examination. |
| [12] | Documents certifying the application requirements for short-term completion for working adults (Applicants for short-term) | <ul style="list-style-type: none"> Academic papers that meet the requirements for application (photocopies are acceptable) An abstract of the academic paper that meets the requirements for application (in the format prescribed by the University) |

| | | |
|--|-------------------------------------|--|
| | term completion for working adults) | |
|--|-------------------------------------|--|

- (Note) (1) The designated form shall be downloaded from our website and printed out in A4 size.
 (2) For documents written in languages other than Japanese or English, attach Japanese or English translations to them.

2. Printout of the Examination Voucher

- (1) The examination voucher will be available for printing on the Online application website after the date of issuance of the voucher after the University receives the application documents sent by the applicant. When the examination voucher is ready for printing, a notification will be sent to the email address registered at the time of the online application..

Date of Issue of Examination Voucher, etc.

| Category | Deadline |
|---------------------------------------------------|--------------------------------------------------|
| Enrollment in October 2025 | 15:00 on Wednesday, August 6, 2025 (tentative) |
| Enrollment in April 2026 (The first recruitment) | |
| Enrollment in April 2026 (The second recruitment) | 15:00 on Thursday, February 12, 2026 (tentative) |

- (Note) The date of issuance of examination vouchers is tentative and may be subject to change.
- (2) Log in to My Page from "Login" on the Online application website. In order to log in, you will need [your email address and the password you set yourself].
- (3) After log in, please download the examination voucher. Please print out the examination voucher in color on A4 paper and bring it with you on the day of the examination. Please note that a separate notification of examination instructions will be sent to you by e-mail, so please make sure you read them carefully before taking the examination.

Precautions

- (1) After printing the examination voucher, be sure to check the information on it. If the information is different from what you registered for the application, please contact the Examination Section of the Admissions Office for Educational Affairs Division of Sugitani Area Administration Department as soon as possible.
 Also, be sure to check that the examination number on the computer screen and the number on the printed examination voucher match.
- (2) Even if you do not receive an e-mail, please log in to the Online application website and print out the examination voucher.
- (3) The number you receive when you register your application online is not your examination number. Please be sure to bring your examination voucher with you on the day of the examination, as you will not be allowed to take the examination using your reception number.
- (4) On the day of the examination, it is not acceptable to present the examination voucher by displaying it on the screen of a smartphone or other such device. Be sure to bring the printed examination voucher and keep it in a safe place after the examination.

3. Examination of Eligibility for Application

Applicants who intend to file their applications for Doctoral Course (Nursing Sciences Program, Pharmaceutical Sciences Program)(5), (6) and Doctoral Course (Medical Sciences Program, Pharmacy Program) (7)~(10) of the General Entrance Examination and Doctoral Course (Nursing Sciences Program, Pharmaceutical Sciences Program) (2), Doctoral Course (Pharmacy Program) (3), (4) of the Special Entrance Examination for International Students will be screened individually in advance. Please make sure to make an inquiry to the following office in advance and submit the prescribed documents by the due date.

[Inquiry and Submission]

Examination Section of Admissions Office, Educational Affairs Division, Sugitani Area Administration Department, University of Toyama
 2630 Sugitani, Toyama City, Toyama Prefecture, 930-0194, Japan

Phone: (076) 434-7658

(1) Documents necessary for Examination of Eligibility for Application

- [1] Application for Examination of Eligibility for Application (form designated by the University)
- [2] Resume (form designated by the University)
- [3] Transcripts and graduation certificates from the last school attended
- [4] Summary of research and work
- [5] List of research papers (including conference presentations) (In the format prescribed by the University)
- [6] Envelope (Chokei 3: 23.5 cm × 12 cm) for sending documents to the applicants (clearly indicate your name, address, and postal code on the envelope with stamps worth 410 yen attached).
- [7] A copy of their residence certificate or residence card (with both sides copied) (An applicant who has a foreign nationality lives in Japan)

* The originals of each certificate must be submitted. Copies will not be accepted.
Documents written in foreign languages must be submitted with Japanese translation.

(2) Deadline for the submission of documents

| Category | Deadline |
|---------------------------------------------------|----------------------------------|
| Enrollment in October 2025 | 16:00 on Thursday, July 3, 2025 |
| Enrollment in April 2026 (The first recruitment) | |
| Enrollment in April 2026 (The second recruitment) | 16:00 on Friday, January 9, 2026 |

As a rule, application documents shall be submitted by mail and must reach the University by the above-mentioned deadline.

If an applicant hands in the documents himself/herself to the university for some inevitable reason, we will accept them between 9:00 and 16:00 on weekdays. They will not be accepted after the deadline.

(3) Notification of the examination results

We will send the result of the preliminary examination to each applicant by the following date.

| Category | Notification |
|---------------------------------------------------|-----------------------------|
| Enrollment in October 2025 | By Thursday, July 10, 2025 |
| Enrollment in April 2026 (The first recruitment) | |
| Enrollment in April 2026 (The second recruitment) | By Friday, January 16, 2026 |

4. Announcement of Successful Applicants

At the following date, the examinee's numbers of successful applicants will be posted on the website of the University of Toyama, and a Notification of Acceptance will be sent to the applicants by mail.

We will not respond to any inquiries by telephone and e-mail or other means.

| Category | Announcement |
|---------------------------------------------------|-------------------------------------|
| Enrollment in October 2025 | 15:00 on Tuesday, September 2, 2025 |
| Enrollment in April 2026 (The first recruitment) | |
| Enrollment in April 2026 (The second recruitment) | 15:00 on Friday, March 6, 2026 |

5. Admission Procedure

The admission procedure is as follows. More details will be separately notified to the successful applicants.

(1) Admission procedure period

| Admission period | Deadline date |
|---------------------------------------------------|--------------------------------------|
| Enrollment in October 2025 | Friday, September 12, 2025 |
| Enrollment in April 2026 (The first recruitment) | Wednesday, January 21, 2026 |
| Enrollment in April 2026 (The second recruitment) | Friday, March 13, 2026 (provisional) |

(2) Expenses required for the admission procedure

- a. Enrollment fee: 282,000 yen (provisional)
 However, if you have completed a master's course at one of the graduate schools of the University of Toyama and wish to continue to a doctoral course or an integrated doctoral course at the Graduate School, you do not need to pay the admission fee.
 (Note) [1] The enrollment fee shown above is still provisional. If it is revised at the time of enrollment, the new enrollment fee will apply.
 [2] The paid enrollment fee will not be refunded.
- b. Others
 [1] Persons who find it difficult to pay the enrollment fee may be exempted or deferred from collection after deliberation.
 [2] Tuition fees must be paid after enrollment. The exact amount of the tuition fee and detailed method of the payment will be announced at the time of the admission procedure.
 <Reference> The tuition fee of academic year 2025: 535,800 yen.
 [3] There is a scholarship system of Japan Student Services Organization.
 [4] Other expenses include the fee for the Personal Accident Insurance for Students Pursuing Education and Research.
- (3) Remarks
 Persons who have not completed the admission procedure by the admission procedure deadline will be considered to have declined the admission.

6. Policy on Personal Information Protection

Personal information possessed by University of Toyama will be handled based on the Act on the Protection of Personal Information, and University of Toyama Personal Information Protection Policy.

- (1) Personal information (including name, address, etc.) of applicants that comes to the knowledge of the University through the application shall be used for [1] applicant selection procedure (application processing and selection), [2] announcement of successful applicants, [3] admission procedure, [4] survey/study of the selection method, and [5] operations associated with those purposes.
- (2) Personal information of those who completed the admission procedure that comes to the knowledge of the University through the application shall be used for post-admission operations related to [1] academic affairs (registration, study guidance, etc.), [2] student support (health care, application for tuition exemption or scholarship, career support, etc.), [3] tuition collection work, and [4] statistical survey and data analysis.
- (3) We may use only the successful applicants' numbers, names, and addresses for the purpose of contact from the University's relevant bodies, such as Alumni Association, Supporting Group and Cooperative Society.
 (Note) Applicants who do not wish to be contacted by the above bodies are requested to inform the Educational Affairs Division of Sugitani Area Administration Department to that effect.
- (4) University of Toyama may have contractors do some kind of university operations. When conducting the operations, all or part of the personal information obtained shall be provided to the contractor to the extent necessary to perform the operations; however, University of Toyama supervises the use of information to ensure compliance with confidentiality.

7. Notes on Application

- (1) It is prohibited to use ChatGPT or other generated AI in documents prepared by the applicant him/herself.
- (2) If any submitted application document is incomplete, the application may not be accepted.
- (3) Accepted application documents will not be returned for any reason.
- (4) Even after admission has been granted, if any discrepancy is found with the information in the submitted documents, the admission may be cancelled.
- (5) For inquiries related to the application and other matters, contact the following section:
 Examination Section of Admissions Office, Educational Affairs Division of Sugitani Area Administration Department, University of Toyama,
 2630 Sugitani, Toyama City, Toyama Prefecture, 930-0194, Japan
 Phone: 076-434-7658

8. Security Export Control

The University of Toyama has established the "University of Toyama Security Export Control Regulations" based on the "Foreign Exchange and Foreign Trade Act" and conducts strict screening for security export control in the perspective of providing technology and export of

research equipment and materials. If applicants who fall under any of the regulated items, you may not be able to get the permission to enroll and receive the desired education at the university. There may be restrictions on your desired research activities.

[Reference] "University of Toyama Regulations Concerning Security Export Control"
URL <http://www3.u-toyama.ac.jp/soumu/kisoku/pdf/0110401.pdf>

9. Preliminary Consultation for Applicants with Disabilities

Applicants with disabilities (visual impairment, hearing impairment, physical disability, sickness, injury, developmental disability, etc.) who may require special arrangements in their admission examinations or in class should contact the Educational Affairs Division of Sugitani Area Administration Department prior to application.

If necessary, the University may hold interviews with the applicant or his/her previous school's staff members, who may represent him/her.

* Even if you apply for prior consultation, you are not obliged to apply to the University of Toyama.

(1) Consultation deadline

| Category | Deadline |
|---------------------------------------------------|------------------------------------|
| Enrollment in October 2025 | 16:00 on Thursday, June 26, 2025 |
| Enrollment in April 2026 (The first recruitment) | |
| Enrollment in April 2026 (The second recruitment) | 16:00 on Friday, December 26, 2025 |

(2) Consultation method

Please download a Preliminary Consultation application form from the University's website or create an application form containing the following information and submit it together with a doctor's medical certificate (its copy is also acceptable) to the Examination Section of Admissions Office, Educational Affairs Division of Sugitani Area Administration Department.

- [1] Name, gender, date of birth, address, telephone number and e-mail address
- [2] Program of choice and category of admission examination
- [3] Type and degree of disability
- [4] What special considerations the applicant desires during the admission examination
- [5] What special considerations the applicant desires during course of study
- [6] Measures taken at the previous university, etc. (Comments of the applicant's academic advisor)
- [7] Situation of daily life
- [8] Other matters for reference (Please also submit any reference materials to be used for consultation, e.g. a copy of Physical Disability Certificate, etc.)

(Reference) Preliminary Consultation Application Form page
(University's Home Page) → "Admission exam information" → "Preliminary consultation for applicants with disabilities"

(3) Contact for consultation

Educational Affairs Division of Sugitani Area Administration Department, University of Toyama, 2630 Sugitani, Toyama City, Toyama Prefecture, 930-0194, Japan

Phone: 076-434-7658

FAX: 076-434-4545

(Note) If you wish to use hearing aids, crutches, wheelchairs, etc., used in your daily life, during the examination, arrangements may be required in the examination venue settings, etc., so please contact us beforehand.

Preliminary consultation is intended to inform applicants with disabilities about the current situation of the University in advance and to find a better or ideal way when they take an admission examination and/or lessons; it is not intended to restrict their admission and study.

(Reference) Please refer to the Guidelines for staff to eliminate discrimination based on disability at University of Toyama (Home page) → "About the University of Toyama" → "Information" → "Information on university administration".

10. Admissions Disclosure

The following are the criteria for determining the pass/fail status of the 2026 Graduate School of Medical and Pharmaceutical Sciences (Doctoral Course), as well as the intent of the questions, sample answers, etc.

(1) Criteria for Acceptance/Failure

Graduate Program of Nursing Sciences

[1] General admission examination

The total score will be 100 points for the essay and aptitude test, 100 points for the foreign language (English) test, and 100 points for the oral examination, etc. The total score will be 300 points, and a minimum of 60% is required to pass the examination.

[2] Special admission examination for international students

The total score will be 100 points for the essay and aptitude test, 100 points for the foreign language (English) test, and 100 points for the oral examination, etc. The total score will be 300 points, and a minimum of 60% is required to pass the examination.

If the score of the foreign language (English) examination is 0, the applicant will be disqualified.

Graduate Program of Pharmaceutical Sciences

[1] General admission examination

The essay and aptitude test are worth 100 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 100 points. A total score of 150 points or more out of 300 is required to pass.

[2] Special admission examination for international students

The essay and aptitude test are worth 100 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 100 points. A total score of 150 points or more out of 300 is required to pass.

Applicants who score less than 50 points on the English examination will be disqualified.

Graduate Program of Medical Sciences

[1] General admission examination

The decision will be based on the evaluation of the foreign language (English) examination and the oral examination.

Applicants who score less than 60% out of 100 points in the English examination will be disqualified.

Graduate Program of Pharmacy

[1] General admission examination

The essay and aptitude test are worth 100 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 100 points. A total score of 150 points or more out of 300 is required to pass.

[2] Special admission examination for international students

The essay and aptitude test are worth 100 points, the foreign language (English) test is worth 100 points, and the oral examination and others are worth 100 points. A total score of 150 points or more out of 300 is required to pass.

Applicants who score less than 50 points on the English examination will be disqualified.

(2) Purpose of Questions and Sample Answers

[1] Essay and Aptitude Test: The purpose of the questions and sample answers will be published.

[2] Foreign Language (English): The purpose of the test and sample answers will be published.

[3] Oral Examination: The purpose of the questions will be published.

(3) Others

[1] Intentions of the questions, sample answers, etc. will be announced on the website of the Graduate School.

[2] Scores of the entrance examination will not be disclosed.

V. Overview of the Graduate School of Medicine and Pharmaceutical Sciences

The Graduate School of Medicine and Pharmaceutical Sciences aims to nurture highly specialized professionals based on broad knowledge and abundant creativity based on a spirit of respect for the human person, and to develop human resources as advanced medical professionals, educators and researchers with the ability to make comprehensive judgments that actively contribute to the advancement of academic research and society, based on distinctive education and research that integrate medicine, pharmaceutical science and nursing science.

Based on this purpose, in the integrated doctoral program and the doctoral course, students will learn cross-disciplinary expertise and research ethics in medicine and pharmacy, nursing, acquire a wealth of specialized knowledge and universal knowledge and skills in medicine, pharmacy, and nursing, as well as basic skills in other fields of education and research and a broad range of studies. The Graduate School of Medicine and Pharmaceutical Sciences awards the doctoral degree to those who have achieved the academic achievements indicated by the Graduate School of Medicine and Pharmaceutical Sciences, and who have acquired the ability to think and act independently and create new knowledge based on a high level of specialized knowledge and a sense of ethics.

Please note that all graduate schools that will be reorganized in the 2022 academic year will adopt a four-term (quarter) system, and each course will be offered in principle on a single-term basis. Each term lasts for 8 weeks.

Comparison of two-term (semester) and four-term (quarter) systems

| | Name of each term | | | |
|----------------------------|-------------------|-------------|-----------------|-------------|
| Two-term (semester) system | First semester | | Second semester | |
| Four-term (quarter) system | First term | Second term | Third term | Fourth term |

Overview of each program

1. Doctoral Program in Nursing Science

(1) Purpose and Degree

The program aims to develop human resources with rich and broad academic knowledge and advanced problem-solving skills, and to establish a foundation for education and research in nursing, and to foster practical researchers who can integrate and create knowledge and reform, develop, and create practice, and contribute to life and culture in Japan and abroad.

Students who complete the Doctoral Program in Nursing Science will be awarded the degree of Doctor of Nursing Science.

(2) Special Measures for Educational Methods

In order to allow persons currently in employment to study without leaving their jobs, special measures can be taken in accordance with the “Special Provision on Educational Method Stipulated in Article 14 of the Standards for Establishment of Graduate Schools.”

Persons eligible for the special educational measures can attend classes and research guidance not only in the daytime, but also at night if they submit a course plan in consultation with their academic advisors. As a rule, the night classes are scheduled between 18:10 and 21:20 from Monday through Friday. Apart from this schedule, eligible students can take the classes on Saturdays or during summer holidays depending on the class subject.

Class hours are scheduled as follows.

| | | |
|---------------------------|---------------------------|---------------------------|
| 1st Period 8:45 to 10:15 | 2nd Period 10:30 to 12:00 | 3rd Period 13:00 to 14:30 |
| 4th Period 14:45 to 16:15 | 5th Period 16:30 to 18:00 | |
| 6th Period 18:10 to 19:40 | 7th Period 19:50 to 21:20 | |

(3) Requirements for Completion of Courses

As a rule, students must be enrolled for at least 3 years, take the designated classes (including special research) to obtain 22 or more credits, receive the necessary research supervision, and pass the Doctoral dissertation and final examination.

In addition, if a student requests to complete the course of study in a planned manner over a certain period beyond the standard period of study (3 years) due to reasons such as the student's occupation, the student may be allowed to complete the course of study in a planned manner.

(4) List of Research projects Conducted by Academic Advisors

See the attached Table I -1.

2. Doctoral Program in Pharmaceutical Sciences

(1) Purpose and Degree

The program aims to foster researchers, educators, technicians, and specialists who can play a leading role in pharmaceutical sciences and interdisciplinary fields, combining a high sense of ethics based on respect for humanity with creativity, judgment, problem-solving, and communication skills to meet the high social demands of human health and the advancement of academic research, by teaching a wide range of advanced knowledge and expertise in pharmaceutical sciences and a medical background to understand patient illness and the patient's situation.

Students who complete the Doctoral Program in Pharmaceutical Sciences will be awarded the degree of Doctor of Pharmaceutical Science.

(2) Special Measures for Educational Methods

In order to allow persons currently in employment to study without leaving their jobs, special measures can be taken in accordance with the “Special Provision on Educational Method Stipulated in Article 14 of the Standards for Establishment of Graduate Schools.”

Persons eligible for the special educational measures can attend classes and research guidance not only in the daytime, but also at night if they submit a course plan in consultation with their academic advisors. As a rule, the night classes are scheduled between 18:10 and 21:20 from Monday through Friday. Apart from this schedule, eligible students can take the classes on Saturdays or during summer holidays depending on the class subject.

Class hours are scheduled as follows.

| | | |
|---------------------------|---------------------------|---------------------------|
| 1st Period 8:45 to 10:15 | 2nd Period 10:30 to 12:00 | 3rd Period 13:00 to 14:30 |
| 4th Period 14:45 to 16:15 | 5th Period 16:30 to 18:00 | |
| 6th Period 18:10 to 19:40 | 7th Period 19:50 to 21:20 | |

(3) Requirements for Completion of Courses

As a rule, students must be enrolled for at least 3 years, take the designated classes (including special research) to obtain 18 or more credits, receive the necessary research supervision, and pass the Doctoral dissertation and final examination.

In addition, if a student requests to complete the course of study in a planned manner over a certain period beyond the standard period of study (3 years) due to reasons such as the student's occupation, the student may be allowed to complete the course of study in a planned manner.

(4) List of Research projects Conducted by Academic Advisors

See the attached Table I -2.

3. Doctoral Program in Medical Sciences

(1) Purpose and Degree

The program aims to foster conducts comprehensive education and research on the elucidation of the causes of disease and methods of treatment and prevention from both basic and clinical perspectives and fosters human resources capable of conducting not only basic research but also translational research that serves as a bridge to clinical applications. The program also aims to nurture multifaceted human resources who can lead the world's medicine and medical care with an understanding of the cooperation between medicine, pharmacology, and nursing science.

Students who complete the Doctoral Program in Medical Sciences will be awarded the degree of Doctor of Medical Sciences.

(2) Special Measures for Educational Methods

In order to allow persons currently in employment to study without leaving their jobs, special measures can be taken in accordance with the “Special Provision on Educational Method Stipulated in Article 14 of the Standards for Establishment of Graduate Schools.”

Persons eligible for the special educational measures can attend classes and research guidance not only in the daytime, but also at night if they submit a course plan in consultation with their academic advisors. As a rule, the night classes are scheduled between 18:10 and 21:20 from Monday through Friday. Apart from this schedule, eligible students can take the classes on Saturdays or during summer holidays depending on the class subject.

Class hours are scheduled as follows.

| | | |
|---------------------------|---------------------------|---------------------------|
| 1st Period 8:45 to 10:15 | 2nd Period 10:30 to 12:00 | 3rd Period 13:00 to 14:30 |
| 4th Period 14:45 to 16:15 | 5th Period 16:30 to 18:00 | |
| 6th Period 18:10 to 19:40 | 7th Period 19:50 to 21:20 | |

(3) Requirements for Completion of Courses

As a rule, students must be enrolled for at least 4 years, take the designated classes (including special research) to obtain 30 or more credits, receive the necessary research supervision, and pass the Doctoral dissertation and final examination.

In addition, if a student requests to complete the course of study in a planned manner over a certain period beyond the standard period of study (4 years) due to reasons such as the student's occupation, the student may be allowed to complete the course of study in a planned manner.

(4) List of Research projects Conducted by Academic Advisors

See the attached Table I-3.

4. Doctoral Program in Pharmacy

(1) Purpose and Degree

The program aims to educate educators, researchers, advanced professionals, and specialists who can play a leading role in the field of clinical pharmacy by teaching a wide range of knowledge and expertise in clinical pharmacy as well as a medical background that enables them to deeply understand diseases and be close to patients.

The program also aims of this program is to educate educators, researchers, advanced professionals, and specialists who can play a leading role in the field of clinical pharmacy by combining creativity, judgment, problem-solving ability, and communication skills to meet the demands of a high-level society for the advancement of human health and academic research.

Students who complete the Doctoral Program in Pharmacy will be awarded the degree of Doctor of Pharmacy.

(2) Special Measures for Educational Methods

In order to allow persons currently in employment to study without leaving their jobs, special measures can be taken in accordance with the “Special Provision on Educational Method Stipulated in Article 14 of the Standards for Establishment of Graduate Schools.”

Persons eligible for the special educational measures can attend classes and research guidance not only in the daytime, but also at night if they submit a course plan in consultation with their academic advisors. As a rule, the night classes are scheduled between 18:10 and 21:20 from Monday through Friday. Apart from this schedule, eligible students can take the classes on Saturdays or during summer holidays depending on the class subject.

Class hours are scheduled as follows.

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| 1st Period 8:45 to 10:15 | 2nd Period 10:30 to 12:00 | 3rd Period 13:00 to 14:30 |
| 4th Period 14:45 to 16:15 | 5th Period 16:30 to 18:00 | |
| 6th Period 18:10 to 19:40 | 7th Period 19:50 to 21:20 | |

(3) Requirements for Completion of Courses

As a rule, students must be enrolled for at least 4 years, take the designated classes (including special research) to obtain 30 or more credits, receive the necessary research supervision, and pass the Doctoral dissertation and final examination.

In addition, if a student requests to complete the course of study in a planned manner over a certain period beyond the standard period of study (4 years) due to reasons such as the student's occupation, the student may be allowed to complete the course of study in a planned manner.

(4) List of Research projects Conducted by Academic Advisors

See the attached Table I -2.

Table I-1 List of Research projects Conducted by Academic Advisors (Nursing Sciences)

| Educational area Responsible teacher Contact address | Research contents |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fundamental Nursing Professor NISHITANI Miyuki (will be retired in March 2027) nisitani@med | <ul style="list-style-type: none"> • Research on clarifying the structure of nursing as a science of practice and creating practical knowledge, by using research methods that connect the phenomenon of nursing practice with theory • Construction of a versatile logic about nursing practice, nursing education, the nursing management |
| Fundamental Nursing Professor HIGA Hayato (will be retired in March 2028) hhiga@med | Mixed methods research using quantitative and qualitative approaches, focusing on nursing phenomena with mental or personal spiritual dimensions |
| Fundamental Nursing Professor IWATA Minoru miwa0717@med | Basic or practical nursing research including patient care guidance on prevention of onset of lifestyle-related diseases and post-onset treatment intervention |
| Clinical and biofunctional nursing science Professor HASEGAWA Tomomi thase@med | <ul style="list-style-type: none"> • Research on the development of technologies that can be applied to nursing practice from the viewpoint of human immunity systems, especially infection control, and their evaluation using experimental manipulation techniques. • Research on the development of nursing support models to improve the quality of life of mothers and children |
| Clinical and biofunctional nursing science Associate Professor YOSHII Miho umiho@med | <ul style="list-style-type: none"> • Research that objectively evaluates infection control practices using experimental methods • Research on clarifying issues related to infection control and applying nursing practices to resolve issues |
| Community Care Systems Nursing Science Professor TAMURA Sugako (will be retired in March 2027) tamusuga@med Associate Professor NAKAHORI Nobue nakahori@med | <p>Nursing Research on the investigation into the characteristic of nursing practice for individuals, families, and communities.</p> <ol style="list-style-type: none"> 1 Nursing Process of home health visits for individuals and families. 2 Nursing Process on promoting health services, policies, and community development. |

| Educational area Responsible teacher Contact address | Research contents |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Community Care Systems Nursing Science Professor HORI Etsuro hori@med | <ul style="list-style-type: none"> • Basic research to elucidate the mechanisms of action for the basic skills and communication techniques necessary to carry out nursing duties that protect the health of local residents. • Following research techniques are adapting; behavioral science, physiological science, neuropsychological science and cognitive science. |

Table I-2 List of Research projects Conducted by Academic Advisors (Pharmaceutical Sciences and Pharmacy)

| <p>Educational area Responsible teacher Contact address</p> | <p>Research contents</p> |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Biopharmaceutics</p> <p>Professor HOSOYA Ken-ichi (will be retired in March 2026) hosoyak@pha</p> | <ul style="list-style-type: none"> • Blood-retinal barrier transport function analysis and drug delivery to the retina • Blood-retinal barrier cell reconstruction and analysis of interaction between cells • Elucidation of biological function and transport function in in vivo barrier tissue |
| <p>Applied Pharmacology</p> <p>Professor KUME Toshiaki tkume@pha</p> | <ul style="list-style-type: none"> • Elucidation of pathogenesis mechanisms of neurodegenerative diseases, pruritus, pain and dysesthesia and search and development of preventive and therapeutic drugs for these disorders. • Establishment of novel animal models that exhibit the brain diseases and the sensory symptoms, such as itch, pain and dysesthesia • Search for cytoprotective substances derived from foods and plants |
| <p>Biorecognition Chemistry</p> <p>Professor TOMOHIRO Takenori (will be retired in March 2027) ttomo@pha</p> | <ul style="list-style-type: none"> • Chemical biology for efficient drug discovery: target identification, visualization, utilization, and manipulation • Drug activity-based functional proteomics • Synthetic multicomponent integration strategy toward chemical biology and drug discovery |
| <p>Cancer Cell Biology</p> <p>Professor SAKURAI Hiroaki hsakurai@pha</p> | <ul style="list-style-type: none"> • Elucidation of the molecular mechanisms of tumor progression via inflammatory signaling pathways • Study on the activation mechanisms of molecular targets in cancer therapy • Study on the intracellular signals in malignant progression of melanoma |
| <p>Chemical Biology</p> <p>Associate Professor CHIBA Junya chiba@pha</p> | <ul style="list-style-type: none"> • Chemical biology based on synthetic chemistry, particularly three projects in artificial DNA, protein control, and saccharide recognition |
| <p>Synthetic and Medicinal Chemistry</p> <p>Professor MATSUYA Yuji matsuya@pha</p> | <ul style="list-style-type: none"> • Development of new organic reactions for drug discovery • Search for novel seeds of new drugs and structure-activity relationship research • Synthesis and structural optimization of bioactive compounds |
| <p>Molecular Neurobiology</p> <p>Associate Professor TABUCHI Akiko atabuchi@pha</p> | <ul style="list-style-type: none"> • Elucidation of the molecular mechanisms underlying regulation of neuronal function and plasticity by gene expression and cellular communication between synapses and a nucleus • Studies on neurological disorders caused by dysfunction of transcription factors and synaptic molecules • Basic studies on transcription factors and synaptic molecules toward drug development targeted for neurological disorders |

| <p>Educational area Responsible teacher Contact address</p> | <p>Research contents</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Molecular Cell Biology</p> <p>Professor SO Takanori tso@pha</p> | <ul style="list-style-type: none"> • Elucidation of the molecular mechanism of cytokine signaling regulated by TRAF5 • Development of immunotherapeutic recombinant TNF family proteins • Elucidation of the molecular pathology of X-linked adrenoleukodystrophy |
| <p>Synthetic and Biomolecular Organic Chemistry</p> <p>Professor YAKURA Takayuki (will be retired in March 2027) yakura@pha</p> | <ul style="list-style-type: none"> • Development of environmentally benign organic reactions • Synthesis of biologically active natural products • Pharmaceutical chemical research in bioactive substances |
| <p>Biointerface Chemistry</p> <p>Professor NAKANO Minoru mnakano@pha</p> | <ul style="list-style-type: none"> • Study of membrane lipid dynamics and elucidation of lipid transfer machinery • Elucidation of lipid flip-flop mechanisms • Biophysical research for interaction of amyloid beta with membranes • Structural and functional investigation and pharmaceutical application of lipid nanoparticles |
| <p>Structural Biology</p> <p>Professor MIZUGUCHI Mineyuki mineyuki@pha</p> | <p>We determine protein conformation by NMR and X-ray crystallography to analyze functions and conduct researches on the relation between changes in protein structures and diseases by examination of abnormal structures such as amyloid fibril.</p> |
| <p>Pharmaceutical Physiology</p> <p>Associate Professor SHIMIZU Takahiro (Sugitani Campus) takshimi@pha</p> | <ul style="list-style-type: none"> • Physiological, biochemical and pharmacological studies of ion transport proteins (pumps, transporters, ion channels) in normal and cancer cells • Elucidation of novel functional relation mechanisms of ion transport proteins • Elucidation of novel pathophysiological functions of ion transport proteins |
| <p>Medical Pharmaceutics</p> <p>Professor TO Hideto hidetoto@pha</p> | <ul style="list-style-type: none"> • Translational research for clinical application of chronotherapy • Application of chronotherapy for individualized medicine • Development of new drugs targeting factors regulating the circadian rhythm of morbid states • Nasal formulation development and therapeutic application for CNS diseases by nose-to-brain drug delivery system |
| <p>Clinical Pharmacology</p> <p>Professor SASAOKA Toshiyasu (will be retired in March 2026) tsasaoka@pha</p> | <ul style="list-style-type: none"> • Development of new insulin sensitizers based on the mechanisms of type 2 diabetes and insulin resistance • Elucidation of central mechanisms regulating energy and glucose homeostasis via inter-organ metabolic pathway • Development of a novel treatment of diabetic complications based on the pathogenic mechanisms |

| <p>Educational area Responsible teacher Contact address</p> | <p>Research contents</p> |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Pharmaceutical Therapy and Neuropharmacology</p> <p>Professor NITTA Atsumi nitta@pha</p> | <ul style="list-style-type: none"> • Behavioral pharmacological, molecular biological and cell biological studies to clarify the function of the novel molecules for the psychiatric diseases • Production of novel mice models with neuronal and/or mental diseases • Study for the clarification of the mechanisms of establishment of addiction of nicotine, THC and methamphetamine • Establishment of addictive model mice • Pharmaceutical studies and pharmaceutical educational methods |
| <p>Pharmacy Practice and Sciences</p> <p>Professor TAGUCHI Masato taguchi@pha</p> | <ul style="list-style-type: none"> • Development of minimal clinical trial design and data analysis for personalized medicine • Optimization of dosing regimen based on the interindividual variability of physical development • Problem formulation and scientific implementation in practice to address therapeutically relevant issues |
| <p>Integrative Pharmacology</p> <p>Professor TSUNEKI Hiroshi htsuneki@pha</p> | <ul style="list-style-type: none"> • Development of novel therapeutic strategy to treat type 2 diabetes and its complications based on the pathogenic mechanisms • Investigation of the mechanisms underlying the maintenance of glucose and lipid homeostasis by brain and inter-organ network • Investigation of the role of olfactory and other sensory systems in the regulation of glucose and lipid metabolism |
| <p>Clinical Pharmaceutics</p> <p>Professor KATO Atsushi kato@med</p> | <ul style="list-style-type: none"> • Drug design and validation of chaperone compounds for rare lysosomal diseases utilising Protein-Ligand Docking • Research on the development of functional cosmetics based on scientific evidence • Research on the isolation and purification of the iminosugars from plants and their application as pharmaceuticals. • Reverse translational research on Japanese and Chinese, taking into account clinical experience. |
| <p>Pharmaceutical Technology</p> <p>Specially Associate Professor OKADA Kotaro kokada@ @ pha</p> | <ul style="list-style-type: none"> • Development of methods for evaluating the physical properties of pharmaceutical products using nuclear magnetic resonance relaxation |
| <p>Pharma-Medical Informatics and AI</p> <p>Specially Appointed Professor SUGANO Aki sugano@pha</p> | <ul style="list-style-type: none"> • Prediction of drug efficacy of molecular target drugs or adverse drug reactions by molecular simulation or AI based analyses • Binding affinity analysis of key molecules to human receptors by bioinformatics and molecular simulation • Analysis of candidate compounds by <i>in silico</i> drug repurposing |
| <p>Cell Biology</p> <p>Professor ITO Fmiko fitoh@las</p> | <ul style="list-style-type: none"> • Elucidation of regulatory mechanisms of vascular and lymphatic endothelial cells by TGF-β family signaling • In-depth analysis of molecular pathogenesis in refractory vascular diseases using genetically modified mice • Investigation of aging mechanisms focusing on TGF-β as a senescence-associated secretory phenotype (SASP) factor |

| <p>Educational area Responsible teacher Contact address</p> | <p>Research contents</p> |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Molecular Genetics</p> <p>Professor TABUCHI Yoshiaki (will be retired in March 2028) ytabu@cts</p> | <ul style="list-style-type: none"> • Mechanical control of cell differentiation • Elucidation of molecular mechanism of cellular stress response • Assessment of the toxic effects of environmental chemicals and elucidation of the mechanisms of toxicity |
| <p>Medicinal Resource Science</p> <p>Professor SHOJI Tsubasa tsubasa@inm</p> | <ol style="list-style-type: none"> 1. Molecular regulation of alkaloid and terpenoid pathways in medicinal plants of the Solanaceae family. 2. Novel regulatory mechanisms of alkaloid pathways in tobacco plants. 3. Biosynthesis and accumulation of natural sweeteners. 4. Collaborate with industry partners to apply our research to the stable supply and production of herbal medicines. |
| <p>Natural Products & Drug Discovery</p> <p>Professor MORITA Hiroyuki hmorita@inm</p> | <ul style="list-style-type: none"> • Studies on biosynthesis of naturally occurring bioactive compounds • Structural basis for secondary metabolite enzymes • Enzyme engineering for novel drug development • Isolation of bioactive compounds from plants, microorganisms, and marine organisms • Investigation of Asia's natural resources not fully utilized • Discovery of natural anticancer agents from medicinal plant resources by employing a novel antiausterity screening strategy • Chemical investigation of medicinal plants and search for novel bioactive secondary metabolites • Investigation of the structure-activity relationship of the active natural compounds and their mechanism of action against cancer cell survival pathways • Discovery of metabolomic biomarkers associated with cancer cells by utilizing FT-NMR and MS strategy |
| <p>Neuromedical Science</p> <p>Professor TOHDA Chihiro chihiro@inm</p> | <ul style="list-style-type: none"> • Elucidation of the molecular mechanism of restoring the neuronal network for activation of neural function. • Traditional medicine research for developing fundamental therapeutic drugs for Alzheimer's disease, spinal cord injury, degenerative cervical myelopathy, glaucoma, and disuse syndrome. • Molecular basis of crosstalk between the central nervous system and peripheral organs, which controls neural function. • Clinical study aiming to develop new botanical drugs and new usage of Kampo formulas. • Clinical study to analyze factors affecting physical and mental health and to identify biomarkers of well-being. |
| <p>Host Defences</p> <p>Professor HAYAKAWA Yoshihiro haya@inm</p> | <ul style="list-style-type: none"> • Study of NK cell biology and its roles in immunity • Role of innate immune responses in cancer progression • Immunological study of inflammatory & allergic diseases • Modulation of immune responses and immunological diseases by Kampo medicines • Study to regulate cancer progression & metastasis |

| Educational area Responsible teacher Contact address | Research contents |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Complex Biosystem Research Professor NAKAGAWA Yoshimi ynaka@inm | <ul style="list-style-type: none"> • Functional analysis of transcription factors that regulate glucose and lipid metabolism • Study for nutrient metabolism regulation by cell-cell and tissue-tissue interaction • Study for the molecular mechanism of improvement of lifestyle-related diseases by Wakan-yaku |
| Presymptomatic Disease Professor KOIZUMI Keiichi kkoizumi@inm | <ul style="list-style-type: none"> • Understanding of the fluctuation of biometric information and its medical applications. • Elucidation of the function of immunostimulatory nanoparticles and nucleotide degradant discovered by traditional Japanese medicine (Kampo formula) and their medical applications. |

※In addition to the above table, the following laboratories are also available.

Plant Functional Science, Mathematical and Pharmaceutical Evaluation Science

Table I-3 List of Research projects Conducted by Academic Advisors (Medical Sciences)

| Educational area Responsible teacher Contact address | Research contents |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Anatomy and Neuroscience (Anatomy) Professor ICHIJO Hiroyuki (will be retired in March 2029) ichijo@med | We study structure, function, and evolution of neural circuits involved in animal behavior with taking advantage of in vivo and in silico methods. <ul style="list-style-type: none"> • We investigate the structure and function of the habenula, which codes for aversive environments such as stress, in mice using anterior-posterior topography and maturation as clues. • We investigate individual differences in neural circuits that respond to stress and their functional significance in mice. • We investigate evolutionary mechanisms of innate attack and defense behaviors with using in silico individual-based models. |
| Molecular Brain Science (biochemistry) Professor INOKUCHI Kaoru inokuchi@med | We aim to resolve mechanisms underlying memory formation and also roles played by idling brain in subconscious in mammals by making full use of molecular biology, biochemistry, cell biology, histochemistry, electrophysiology, behavioral pharmacology, optogenetics, and live-imaging. <ul style="list-style-type: none"> • Research on the physical substance of engram • Research on the dynamics of engram • Research on idling brain functions |
| Systems Function and Morphology Professor ITO Tetsufumi itot@med | We employ multidisciplinary approach to investigate functional and morphological basis of the brain which allows the coding of sensory information, especially sounds, and the sensory perception. Followings are the examples of the approach. (1) By combining neurophysiological and neuroanatomical techniques, the organization of neuronal circuitry which enable a specific function will be clarified. (2) We will identify functional, morphological, and molecular details of neuronal cell types which constitute a neuronal circuitry to establish functional standpoint of each cell type. (3) By comparing non-model animals which have unique specializations for sensory behaviors with model animals, details of the functional organization of sensory neuronal circuitry and its evolution will be clarified. (4) By manipulating specific elements of a given neuronal circuitry, relationship between changes of activation patterns of the neuronal circuit and behavioral changes will be clarified. |
| Diagnostic Pathology (Pathology) Professor HIRABAYASHI Kenichi hiraken@med | <ul style="list-style-type: none"> • Clinicopathological and molecular studies of biliopancreatic diseases • Clinicopathological and molecular studies of neoplastic diseases • Clinicopathological and molecular studies on inflammatory diseases • Development of novel therapeutic approaches for pancreatic neuroendocrine neoplasms by targeting microRNAs • Analysis of fusion genes in intraductal oncocytic papillary neoplasms |
| Pathophysiology and Pathology (Pathology) Professor TAKATA Katsuyoshi ktakata@med | Conducting molecular pathological research on malignant tumors, focusing on hematologic tumors. The main areas of study include: 1. Discovery of new biomarkers through integrated analysis of clinical pathology and genetic abnormalities using samples from lymphoma patients. 2. Identification of therapeutic targets in hematologic tumors using in vitro and in vivo models. 3. Development of therapeutic methods targeting tumor antigens. 4. Development of diagnostic methods for hematologic tumors by integrating FACS, genetic analysis, and pathological morphology. |

| Educational area Responsible teacher Contact address | Research contents |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular Immunology Professor KOBAYASHI Eiji ekoba@med | <ul style="list-style-type: none"> • Single cell analysis of B cell receptors (antibodies) and T cell receptors • Elucidation of autoimmune disease mechanisms using autoantibodies • Development of TCR-T therapy using tumor-specific T cell receptor (TCR) • Development of cancer immunotherapy using chimeric antigen receptor (CAR) • Development of novel T cell antigen identification method |
| Microbiology Professor MORINAGA Yoshitomo morinaga@med | <ul style="list-style-type: none"> • The role of microbiota on the colonization resistance against drug-resistant and/or pathogenic bacteria. • The role of microbiota in the transmission of drug-resistant genes. • The role of microbiota on the background of expansion of antimicrobial resistance beyond individuals. • The modulatory effect of microbiota on viral infection. • New concept for appropriate antibiotics use in the aspect of maintenance of commensal microbiota. |
| Molecular and Medical Pharmacology Professor NAKAGAWA Takashi nakagawa@med | <ul style="list-style-type: none"> • Elucidating how NAD metabolism is involved in the fundamental aging process. • Implication of NAD metabolism in aging-related diseases, including cancer, neurodegenerative diseases and metabolic diseases. • Development of anti-aging therapeutics targeting NAD metabolism. • Elucidating pharmacological actions of KAMPO medicine using metabolomics analysis with LC/MS and GC/MS. |
| Epidemiology & Health Policy Professor SEKINE Michikazu sekine@med | <p>Our mission is to conduct epidemiological studies and apply the results for health policy. To achieve this mission, we conduct several epidemiological studies. The Japanese civil servants study (the JACS study) comprises approximately 5,000 Japanese civil servants and aims to clarify whether socioeconomic factors, psychosocial stress at work, and work-life balance is associated with the development of poor physical and mental health. The JACS study is an international collaborative study with the British civil servants study (the Whitehall II study) and the Finnish civil servants study (the Helsinki Health Study). The Toyama birth cohort study (the Toyama study) is a birth cohort study of approximately 10,000 Japanese children. The MEXT Super Shokuiku School project comprises approximately 2000 children and their parents. Both studies accumulate epidemiological evidence on health promotion from childhood. The Toyama Dementia Survey is an ageing and gerontological study of approximately 1000 adults aged 65 or more. Postgraduate students become members of the research units and are involved in each step of epidemiological research (i.e. study planning, and conducting, data analysis, and manuscript writing and publishing). The following is examples of current research topics.</p> <ul style="list-style-type: none"> • International comparative studies on the associations of psychosocial stress at work, work-life balances, health behaviors and personality characteristics with health • International comparative studies on socioeconomic inequalities in physical and mental health • Epidemiological study on the prevention of noncommunicable diseases from childhood • Epidemiological study on the prevention of dementia |
| Legal Medicine Professor NISHIDA Naoki nishida@med | <ul style="list-style-type: none"> • Pathology and molecular biology of cardiovascular disease • Pathology and molecular biology of sudden infant death • Neuropathology and associated molecular biology • Pathology and molecular biology of suicide and neuropsychiatric diseases. |

| <p>Educational area Responsible teacher Contact address</p> | <p>Research contents</p> |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Health Professional Education</p> <p>Professor TAKAMURA Akiteru akiteru@med</p> | <p>The research in our lab is mainly focused on the education of medical professionals. Specifically, we will conduct research on the goals, strategies, and evaluation of under-graduate education, post-graduate education, lifelong education, and community healthcare education (including patient education) for physicians, nurses, pharmacists, and other healthcare professionals. Epidemiological studies on primary care are also possible.</p> <p>Quantitative research (e.g., descriptive statistics), qualitative research (e.g., thematic analysis and content analysis), and text mining will be used to explore educational effects in medical education.</p> |
| <p>System Emotional Science</p> <p>Professor NISHIMARU Hiroshi nishimar@med</p> | <ul style="list-style-type: none"> • Neural mechanisms of emotion, learning/memory, and behavioral expression in the limbic system • Neural mechanisms of social cognition and non-verbal communication • Central control of autonomic nervous functions • Neural mechanism of sensory perception and cognition • Neuronal mechanism of sensorimotor integration underlying emotional behavior • Neuronal mechanism of value-based decision-making • Development and application of machine-learning based behavior analysis methods for animal models of neuropsychiatric disorders. |
| <p>Molecular Neuroscience</p> <p>Associate Professor YOSHIDA Tomoyuki toyoshid@med</p> | <ul style="list-style-type: none"> • Research on molecular basis of higher brain functions such as cognition, emotion, and sociality with generation of novel genetically modified mouse models. • Research on the development of novel molecular imaging methods in the brain. • Research on molecular basis of neuro-immune interactions. • Research on molecular mechanisms of central synapse formation • Research on pathogenic mechanisms of neurodevelopmental disorders |
| <p>Clinical and Cognitive Neuroscience</p> <p>Professor HAKAMATA Yuko hakamata@med</p> | <p>We aim at understanding the neurobiological mechanisms underlying emotional dysregulation associated with distorted cognitions, and using this understanding to develop novel, effective psychological interventions for anxiety and depressive disorders. We address these questions from the integrative view including psychology, cognitive behavioral science, endocrinology, immunology, genetics, and neuroscience. Lab members are expected to be engaged in research related to at least one of the following projects: 1) to examine the neurobiological mechanisms of biased cognitions towards emotional information; 2) to evaluate the efficacy of cognitive interventions including cognitive bias modification, cognitive training, and cognitive behavioral therapy for clinical and non-clinical population at high risk; and 3) to develop program tools to get the interventions easily accessible and doable. Participation in more than one project is encouraged.</p> |
| <p>Gene Expression and Regulation</p> <p>Associate Professor KAIDA Daisuke kaida@med</p> | <ul style="list-style-type: none"> • Study on the effect of splicing abnormality on mRNA stability • Study on the effect of splicing abnormality on transcription elongation • Study on the physiological functions of truncated proteins translated from pre-mRNAs • Elucidation of the mode of action of therapeutic drugs for aging-related diseases • Screening for candidate compounds for the treatment of aging-related diseases |

| Educational area Responsible teacher Contact address | Research contents |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diabetes and metabolism, rheumatic and respiratory diseases (internal medicine) Professor KATO Masaru ktmasaru@med | <ul style="list-style-type: none"> • Elucidation of the pathology of type 2 diabetes and metabolic syndrome • Research on the influence of gut microbiota on glucose metabolism • Research on the mechanisms of breast cancer development and progression • Development of order-made medicine based on genetic predisposition to type 2 diabetes • Research on early detection and treatment of rheumatic and connective tissue diseases • Establishing treatment strategies aiming at drug-free remission in rheumatoid arthritis • Elucidation of the influence of the tumor microenvironment on the effects of molecular target drugs and immune checkpoint inhibitors in lung cancer • Research on the influence of immune cells on the clinical course of diffuse lung disease |
| Cardiology and Nephrology (internal medicine) Professor KINUGAWA Koichiro (will be retired in March 2029) kinugawa@med | <ul style="list-style-type: none"> • Establishment of optimization protocol for the treatment of heart failure using various biomarkers • Development of non-invasive home tele-monitoring system in order to minimization of re-hospitalization by heart failure • Mechanisms of sympathetic nerve inhibition by non-pharmacological therapy for heart failure • Introduction of novel staging of heart failure by cardiopulmonary function • Development of novel strategy for heart failure to alter cardiac-specific gene expression • Investigation of relationship between beta-adrenergic receptors and reversibility of myocardial remodeling • Exploitation of factors to determine the viability of renal collecting tubules • Effect of renal denervation on autonomic disorders in heart failure model • Mechanisms of onset of atrial fibrillation |
| Gastroenterology (internal medicine) Professor YASUDA Ichiro yasudaic@med | <ul style="list-style-type: none"> • Development of novel endoscopic techniques and devices for diagnosis of gastrointestinal diseases • Development of novel minimally-invasive procedures for gastrointestinal diseases • Molecular mechanism of colon hypo-sensitivity in constipation patients • Molecular mechanism of enhanced intestinal epithelial permeability via digestive tract contents • Immunological analysis of liver diseases and liver cancer and its application to the therapy • Analysis of response for HBsAg to develop novel HB vaccine. • Investigation of causal relationship between gut microbiota and the efficacy or toxicity of chemotherapy for gastrointestinal cancer • Detection of aberrant DNA methylation in inflammation-associated carcinogenesis |
| Inflammatory Bowel Disease (internal medicine) Specially Appointed Professor WATANABE Kenji kenjiw@med | Investigation for optimization of clinical management in patients with Inflammatory Bowel Disease |

| Educational area Responsible teacher Contact address | Research contents |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clinical Infectious Diseases Professor YAMAMOTO Yoshihiro yamamoto@med | <ul style="list-style-type: none"> • Establishing Surveillance System of MRSA with Molecular Microbiology • Exploring Factors for Selection of antimicrobials against Chronic Pseudomonas Infection • Analysis of Prognosticator of Non tuberculous Mycobacteriosis • Study of Drug-Resistance Mechanism of Deep-seated Fungus Infection • Gene Therapy for HIV infection |
| Pediatric Developmental Medicine Professor IMAI Chihaya chihaya@med | <p>In Department of Pediatrics, research projects to develop novel diagnostic and therapeutic strategies for intractable diseases in childhood and adolescents are performed. The research projects are set to investigate ways to solve the problems encountered in the clinics and the patient wards.</p> <p>The research projects include:</p> <ul style="list-style-type: none"> • pediatric hematology/oncology, • pediatric immunology/allergology, • pediatric cardiology, • neonatology, • emergency pediatrics and pediatric intensive care, • pediatric nephrology and rheumatology, • pediatric infectious diseases, • pediatric neurology <p>As an example, in the basic research conducted in pediatric hematology/oncology team of this department, we are working on the development of novel genetically engineered immune cell therapies for refractory and relapsed cancers and leukemias, which includes the development of novel chimeric antigen receptor genes to improve the therapeutic efficacies of CAR-T cell therapy and the development of novel cell therapies by the use of genetically modified primary human NK cells.</p> |
| Neonatology Professor YOSHIDA Taketoshi ytake@med | <p>To evaluate the development of preterm infants using the Bayley Developmental Assessment</p> <ul style="list-style-type: none"> • To investigate the long-term prognosis of infants with cranial deformities |
| Neuropsychiatry Professor TAKAHASHI Tsutomu tsutomu@med | <ul style="list-style-type: none"> • Brain imaging studies on pathophysiology of schizophrenia and their application to objective diagnosis of psychotic disorders • Neurophysiological studies in schizophrenia and related disorders • Pharmacotherapy to improve cognitive dysfunction in schizophrenia • Mechanisms of symptom development and preventive strategies for schizophrenia • Mechanisms of brain maturation, personality development, and sociality in adolescence • Early diagnosis and intervention for dementia |
| Radiation Oncology Professor SAITO Jun-ichi junsaito@med | <ul style="list-style-type: none"> • Free radical formation and DNA damage induced by ionizing radiation and ultrasound. • Molecular mechanisms of the enhancing of apoptosis and other types of cell death induced by ionizing radiation, hyperthermia, ultrasound and novel chemicals. • Regulation of gene expression by ultrasound • Development of radiation and ultrasound responsive promoters and its therapeutic applications. • Molecular and cellular responses to environmental stresses. |

| Educational area Responsible teacher Contact address | Research contents |
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| <p>Cardiothoracic Surgery (Surgery)</p> <p>Professor YOSHIMURA Naoki (will be retired in March 2028) ynaoki@med</p> | <ul style="list-style-type: none"> • Surgical approach for arrhythmia • Surgical approach for atherosclerosis • Surgery for ischemic heart disease • Mechanical assist for congestive heart failure • Surgery for congenital heart disease |
| <p>Cardiothoracic Surgery (Surgery)</p> <p>Professor TSUCHIYA Tomoshi tsuchiya@med</p> | <p>Through our transplantation and tissue engineering research, we have established a network with domestic and international research institutions to promote human exchange, joint research, and study abroad programs. (Collaborating institutions: Department of Biomedical Engineering at Yale University, Cincinnati University, RIKEN, Institute of Quantum Beam Science, Nagasaki University, Nagoya University, Department of Surgery for Organ Replacement and Xenotransplantation at Kagoshima University)</p> <p>The following is a list of major research projects. (Ref ; https://www.organengineering.com/)</p> <ul style="list-style-type: none"> • Research on organ engineering using decellularized tissue skeletons • Development of disease models using regenerated organs • Development of disease models using lung organoids • Induction of immune tolerance by cell therapy in lung transplantation models <ul style="list-style-type: none"> ~ Cell therapy using regulatory T cells (Treg cells) ~ Cell therapy using mesenchymal stem cells • Research on development and disease control of lung mucinous adenocarcinoma • Prediction of pleural invasion by intraoperative imaging using artificial intelligence |
| <p>Department of Surgery & Science (Surgery)</p> <p>Professor FUJII Tsutomu fjt@med</p> | <ul style="list-style-type: none"> • Clinicopathological analysis of the progression of gastrointestinal cancer • Molecular-biological analysis of human cancers • Analysis of biological response and its regulation of the surgical stress • Clinical research for gastrointestinal and endocrine cancer • Biomarker research on gastrointestinal cancer, and development of precision medicine • Development of novel surgical technique |
| <p>Orthopaedics and Locomotor System Science</p> <p>Professor KAWAGUCHI Yoshiharu (will be retired in March 2028) zenji@med</p> | <ul style="list-style-type: none"> • Developmental biology of cartilaginous tissues • Pathomechanism of joint and spine diseases • Regenerative medicine for cartilage and intervertebral disc • Origin of ossified lesions in spinal diseases • Genetic and clinical analysis of spinal disorders • Research on joint damage and therapeutic strategy for arthritic diseases • Bone and soft tissue tumors • Development of new surgical strategy and analysis of outcome • Robotic surgery |

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| Obstetrics and Gynecology Professor NAKASHIMA Akitoshi akinaka@med | <ul style="list-style-type: none"> • Molecular biology and immunology for reproduction • Autophagy in placentation • Molecular biology of growth and differentiation in trophoblasts • Molecular biology and immunology for cervical cancers between with and without HPV infection • Clinical diagnosis and therapy for preterm labor, preeclampsia and recurrent pregnancy loss • Roles of autophagy for folliculogenesis |
| Ophthalmology Professor HAYASHI Atsushi (will be retired in March 2029) ahayashi@med | <ul style="list-style-type: none"> • Inhibition of ocular angiogenesis and drug delivery • Ophthalmic application of hyper-dried amniotic membrane • Rapid diagnosis and treatment of ocular infectious diseases • Quantitative analysis of eye movement and relationship to the diseases using the eye-tracker. • Gene expression and biomarker research on ocular tumors • To develop transplantation of iPS derived retinal pigment epithelium |
| Otorhinolaryngology - Head and Neck Surgery Professor MORITA Yuka yukam@med | We deal with diseases related to the sensory organs necessary for human life, as well as diseases related to breathing, swallowing, and sleep, which are important for maintaining life. In addition, it is necessary to treat all malignant tumors in the head and neck region while considering the preservation of their functions. In our department, we study the relationship between the sensory organs and brain functions, especially hearing and balance, establishing diagnostic and therapeutic methods for intractable middle ear diseases, and developing surgical treatments for nasal and paranasal diseases with emphasis on quality of life. In head and neck cancer treatment, we are conducting research directly related to clinical practice, such as the development of surgical methods for function preservation and the search for biomarkers for the selection of appropriate chemotherapy. |
| Urology Professor KITAMURA Hiroshi hkitamur@med | <ul style="list-style-type: none"> • Biomarker research on urological cancers • Development of immunotherapy for urological cancers • Cancer stem cell research on urologic cancers • Growth factor research on prostate cancer • Basic research on impaired spermatogenesis • Research on vascular epithelial cells in erectile dysfunction • Research on Heat Shock Protein in acute/chronic rejection after renal transplantation |

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| <p>Anesthesiology and Management During Perioperative Period</p> <p>Professor TAKAZAWA Tomonori takazawt@med</p> | <p>Our department conducts the following distinctive studies to ensure patient safety in the perioperative period.</p> <ol style="list-style-type: none"> 1. Perioperative anaphylaxis research Anaphylaxis has been attracting attention as a potentially life-threatening event in recent years. We are engaged in epidemiological studies of perioperative anaphylaxis and the development of highly accurate anaphylaxis-causing agents. 2. Development of a model for predicting changes in vital signs using machine learning The vital sign monitors worn by patients during and after surgery provide a wealth of biometric information. We are developing a predictive model of vital sign fluctuations using machine learning, a truly innovative approach. 3. Research on the mechanism of anesthesia and the development of ideal anesthetics Although recent studies have elucidated the molecular basis of the target of anesthetics, the effects of anesthetics on the neural network are still unclear. We have developed a method that can capture the electrical activity of multiple interconnected neurons and are working on developing ideal anesthetics. |
| <p>Comprehensive Oral Sciences</p> <p>Professor YAMADA Shin-ichi shinshin@med</p> | <p>The oral cavity has many functions and plays an important role in human life. In addition, the relationship between oral bacteria and oral function and many diseases has become clear, and the importance of oral science is being recognized. However, there are aspects where scientific evidence is lacking, so we are conducting research that contributes to extending healthy life expectancy and working to establish scientific evidence.</p> <ul style="list-style-type: none"> • Research on pathological diagnosis and image diagnosis of oral diseases using artificial intelligence. • Basic research on anticancer drug sensitivity using human oral squamous cell carcinoma cell lines. • Basic research on cancer proliferation and invasion mechanisms using human oral squamous cell carcinoma cells. • Immunological analysis using mouse oral squamous cell carcinoma model. • Research on prevention of oral mucositis using human fibroblasts. • Research on the development of minimally invasive oral cancer treatment. |
| <p>Clinical Laboratory and Molecular Pathology (Clinical Laboratory Medicine)</p> <p>Professor NIIMI Hideki hiniimi@med</p> | <ul style="list-style-type: none"> • Molecular pathophysiological analysis of diseases • Development of the rapid identification and quantification test method for infectious pathogens (Tm mapping method) • Development of rapid Antimicrobial Susceptibility Testing (AST) based on ATP fluorescence emission detection method • Development of novel clinical testing technology |
| <p>Japanese Oriental Medicine</p> <p>Professor KAINUMA Shigesaburo kainuma@med</p> | <ul style="list-style-type: none"> • Elucidation of the mechanism of action of hachimijiogan for age-related diseases • Objective evaluation of Kampo medicine diagnosis |

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| Emergency Medicine Professor DOI Tomoaki doit@med | <p>Research Interests</p> <p>The concept of "saving lives" in emergency medicine is the starting point of medicine. Therefore, emergency medicine is an area that all medical professionals should learn.</p> <p>Emergency medicine is a fight against rapidly evolving invasions, and the challenge is how to provide damage control treatment or definitive treatment within the time constraints and limited amount of information to save lives. The analysis of pathophysiology and establishment of treatment methods for invasions are the research targets of emergency medicine.</p> <p>Contents of instruction</p> <p>Research on sepsis (analysis of intracellular signaling pathways of platelets, analysis of vascular endothelial damage)</p> <p>Research on trauma (translational research between clinical and laboratory research)</p> <p>Research on acute blood purification therapy (research using electron microscopy)</p> <p>Research on hyperbaric oxygen therapy (laboratory research)</p> |
| Hematology (internal medicine) Professor SATO Tsutomu tsutomus@med | <ul style="list-style-type: none"> • Development of new drugs for multiple myeloma • Exploratory research into molecularly-targeted therapy for T-cell lymphoma • Prevention of bone mineral density reduction during lymphoma therapy • Effects of osteoporosis on hematopoietic stem cells |
| Medical Oncology/Palliative Medicine Professor HAYASHI Ryuji hsayaka@med | <ul style="list-style-type: none"> • Clinical practice of cancer genome medicine • The effect of immune check point inhibitor and micro biome • Epidemiology of the elderly cancer patients • The different recognition between ordinary person and medical staff • Immuno-oncology • Cancer metabolism • Cancer cell biology and target therapy • Clinical study using medical records • Statistical analysis with data base • In vivo and in vitro experiments • Cancer palliative care & herbal medicine |
| Plastic, Reconstructive and Aesthetic Surgery Professor SATAKE Toshihiko toshi@med | <ul style="list-style-type: none"> • Vascular anatomy of perforator flaps • Reconstruction using adipose stem cells and cultured adipose stem cells • Regenerative medicine for sarcopenia: prevention and treatment • Developing treatment for CRPS using sensory flaps • Application of robotic microsurgery to various reconstructive procedures • Pathogenesis and treatment of lymphedema |

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| <p>Computational Drug Design and Mathematical Medicine</p> <p>Professor TAKAOKA Yutaka ytakaoka@med</p> | <p>Our aims to construct theoretical medicine, which has an analogous concept of theoretical physics in contrast with experimental physics. It is not easy to describe the human body, that is, a complex system, with a hard science which uses mathematical models in such field as physics or chemistry. Therefore, we utilize molecular simulation analyses to describe human body partially, and use this approach to predict the future disease treatments. It is a challenge to evolve the medical system as a science with accumulated logic for prediction from the one which emphasizes experiences and results. Our final goal is to enable a paradigm shift from "validation" to "prediction" in the system of medical science. It is important to note that we pay attention whether the mathematical model is applicable to the real world and do not aim for mathematical sophistication. In addition, we also study the themes for Kampo and Acupuncture, machine learning and natural language processing, and social medicine such as community medical policies, improvement of hospital function, and medical management as follows:</p> <ul style="list-style-type: none"> • Prediction of adverse drug reactions base on molecular simulation and mathematical models • Prediction of drug efficacy of molecularly target drugs for cancer based on molecular simulation and mathematical models • Design of nucleic acid drugs and evaluation of drug efficacy • Application of drug repurposing to computational drug design • Molecular simulation analysis of pathological conditions caused by genetic mutations resulting in amino acid substitutions • Molecular mechanisms of therapeutic effects of acupuncture and moxibustion • Application of AI technologies such as machine learning and natural language processing to improvement of hospital functions • Population dynamics and the future prediction of community medicine |
| <p>Rehabilitation Medicine</p> <p>Professor HATTORI Noriaki hattorin@med</p> | <p>Rehabilitation medicine is one of the most active fields of translational research with fields such as basic medicine, neuroscience, and engineering. Incorporating the latest technology, we aim to create innovative rehabilitation medicine. Examples of specific research themes are listed below, but the research themes are not limited to these. We will discuss the research theme with students and flexibly determine the themes.</p> <ul style="list-style-type: none"> • Creation of objective indicators for rehabilitation medicine using new measuring instruments and analysis methods • Development of neuromodulation methods to facilitate functional recovery • Development of rehabilitation therapies aimed at improving activity of daily living (ADL) and quality of life (QOL) for various diseases • Development of effective rehabilitation therapies for frailty, sarcopenia and malnutrition |
| <p>Medical statistics</p> <p>Professor YONEMOTO Naohiro yonemoto@med</p> | <p>Development of epidemiological methods, statistical methods and applications for medicine and health.</p> <ul style="list-style-type: none"> • Transportability and generalizability in causal inference, Target trial emulation • Design and analysis for new multiple data sources as clinical trials and real-world data, triangulation approach • Modelling with complex design as joint model • Methodology for systematic review and meta-analysis • Analysis for health economics and outcome research • Applications in Bayesian statistics, machine learning, natural language processing |

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| Behavioral Physiology Professor TAKAO Keizo takao@cts | <ul style="list-style-type: none"> • Investigation of the physiological basis of learning, memory, emotion, and cognition • Exploration and evaluation of mouse models of neuropsychiatric disorders using behavioral analyses • Elucidation of the pathophysiology and development of therapies for neuropsychiatric disorders using mouse models • Elucidation of the pathophysiology of psychiatric and neurological disorders using computational and information engineering methods • Development of new genetically engineered mice • Development of new reproductive technologies |

※In addition to the above table, the following laboratories are also available.

Integrative Neuroscience (Physiology) , Public Health & Environmental Medicine, Dermatology, Diagnostic and Therapeutic Radiology (Radiation Oncology) , Neurosurgery, Neurology, Innovative Clinical Research

- A portion of email address is listed in the contact address. Please use it for preliminary consultations with the relevant academic advisor in the field of your choice. Please add ".u-toyama.ac.jp" after the address.

Example) abc@def → abc@def.u-toyama.ac.jp