Student application guidelines



2023

Enrollment in April 2023
Enrollment in October 2022
[General admission examination]
[Special admission examination for working adults]
[Special admission examination for international students]

Graduate School of Medicine and Pharmaceutical Sciences

Medicine and Pharmaceutical Sciences (Master's Course)

Medical Sciences Program
Nursing Sciences Program
Pharmaceutical Sciences Program

June 2022

University of Toyama

In the event of an unexpected situation, such as the spread of novel coronavirus infection, 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

Table of Contents

Overview of Selection for Admission to the Graduate School of Medicine and Pharmaceutical
Sciences (Master's Courses) 4
I Admission Policy 5
II General Admission Examination ····································
Summary of Admissions Selection Schedule
2. Number of Students to be Admitted
3. Eligibility for Application
4. Use of External English Test
5. Admission Policy of Medical Sciences
6. Admission Policy of Nursing Sciences
7. Admission Policy of Pharmaceutical Sciences
III Special Admission Examination for Working Adults · · · · · 12
Summary of Admissions Selection Schedule
2. Number of Students to be Admitted
3. Eligibility for Application
4. Use of External English Test
5. Admission Policy of Medical Sciences
6. Admission Policy of Nursing Sciences
IV Special Admission Examination for International Students
1. Summary of Admissions Selection Schedule
2. Number of Students to be Admitted
3. Eligibility for Application
4. Use of External English Test
5. Admission Policy of Medical Sciences
6. Admission Policy of Pharmaceutical Sciences
V General Procedure of Application and Admission · · · · 18
1. Application Period
2. Application Procedure
3. Examination of Eligibility for Application
4. Announcement of Successful Applicants
5. Admission Procedure
6. Policy on Personal Information Protection
7. Notes on Application
8. Security Export Control
9. Preliminary Consultation for Applicants with Disabilities
10. Requirements for Applicants in Association with Measures against the Novel
Coronavirus Infection
- Payment Flow of Entrance Examination Fee

- 1. Medical Sciences
 - (1) Purpose and Degree
 - (2) Special Measures for Educational Methods
 - (3) Requirements for Completion of Courses
 - (4) List of Research projects Conducted by Academic Advisors
- 2. Nursing Sciences
 - (1) Purpose and Degree
 - (2) Special Measures for Educational Methods
 - (3) Requirements for Completion of Courses
 - (4) List of Research projects Conducted by Academic Advisors
- 3. Pharmaceutical Sciences
 - (1) Purpose and Degree
 - (2) Requirements for Completion of Courses
 - (3) List of Research projects Conducted by Academic Advisors

For this Graduate School's programs of Medical Sciences, Nursing Sciences and Pharmaceutical Sciences (Master's Courses), the student recruitment (for entry in April 2023) will be conducted twice. If the first recruitment reaches the maximum number of applicants, the second recruitment may not be conducted.

The availability of the second recruitment will be announced on our website around November 2022.

Overview of Selection for Admission to the Graduate School of Medicine and Pharmaceutical Sciences (Master's Courses)

Number of students to be admitted in April 2023

		Number of students to be admitted			
Major	Program name	General Admission Examination	Special Admission Examination for Working Adults	Admission Examination for International Students	
	Medical Sciences	6	A few	A few	
Medicine and Pharmaceutical Sciences	Nursing Sciences	8	A few	-	
	Pharmaceutical Sciences	44	-	A few	
	Total		58		

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

Number of students to be admitted in October 2022

		Number of students to be admitted			
Major	Program name	General Admission Examination	Special Admission Examination for Working Adults	Admission Examination for International Students	
Studies in	Medical Sciences	A few	A few	A few	
Medicine and Pharmaceutical Sciences	Nursing Sciences	A few	A few	-	
	Pharmaceutical Sciences	A few	-	A few	

Schedules related to admission examination

		Pharmaceutical Sciences ces and Pharmaceutical Sciences)
Items	Enrollment in April 2023 [The first recruitment] and Enrollment in October 2022 General Admission Examination, Special Admission Examination for Working Adults, and Admission Examination for International Students	Enrollment in April 2023 [The second recruitment] General Admission Examination, Special Admission Examination for Working Adults, and Admission Examination for International Students
Deadline for inquiry about Examination of Eligibility for Application (Only for relevant applicants)	Thursday, June 30, 2022	Friday, December 2, 2022
Notification of the examination results of eligibility for application (Only for relevant applicants)	By Thursday, July 14, 2022	By Friday, December 16, 2022
Application period	Friday, July 15 to Friday, July 22, 2022	Monday, December 19 to Friday, December 23, 2022
Dispatch of Examination Admission Card (Mailing)	Friday, August 5, 2022 (provisional)	Friday, January 13, 2023 (provisional)
Examination date	Thursday, August 25, 2022	Wednesday, February 1, 2023
Announcement of successful applicants	Friday, September 9, 2022	Monday, February 13, 2023
Admission Procedure (Deadline date)	(Enrollment in October 2022) Friday, September 16, 2022 (Enrollment in April 2023) Wednesday, March 8, 2023 (provisional)	Wednesday, March 8, 2023 (provisional)

(Note) If the first recruitment reaches the maximum number of applicants, the second recruitment may not be conducted. The availability of the second recruitment will be announced on our website around November 2022.

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 research field of Pharmaceutical Science, 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 Medical Sciences

- The program seeks persons who are interested in life science, want to acquire the knowledge in the basic and clinical fields of medicine, and aim to play an active role in various fields as highly specialized professionals having the most advanced knowledge.
- The program seeks persons who wish to advance their careers in their workplaces as medical professionals by obtaining the most advanced medical knowledge.

[Basic policy on selection (admission examination types and their evaluation methods)] General Admission Examination

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination, oral examination, statement of reasons for application, and academic transcript.

Special Admission Examination for Working Adults

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through the achievement review, foreign language (English) examination, oral examination, statement of reasons for application, and academic transcript.

Special Admission Examination for International Students

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination, oral examination, statement of reasons for application, and academic transcript.

Admission Policy of Nursing Sciences

The program seeks students who have a wide range of deep academic knowledge in nursing practice and its interdisciplinary fields, understand the purpose of developing research execution ability or the ability required for highly specialized professionals, and have the following qualities. (1) Wishing to play an active role in the fields where highly skilled abilities are required (such as abilities to cope with advanced medical treatment, understand patients based on psychology and bioethics, improve QOL and self-recovery of patients, and solve health, medical, and welfare related issues).

(2) Seeking a career development to become excellent nurses who can comprehensively and systematically grasp the healthcare and welfare related issues based on the current situation of nursing and future prospects, and can respond to those issues.

[Basic policy on selection (admission examination types and their evaluation methods)] General Admission Examination

For admission selection, the applicant's basic knowledge and research execution ability required to acquire advanced nursing practice ability and research method are evaluated through a short essay and aptitude test, foreign language (English) examination, and oral examination.

Special Admission Examination for Working Adults

For admission selection, the applicant's achievements of nursing practice and research activities, interest in research and ability to carry it out, which are required to acquire advanced nursing practice ability and research method, are evaluated through achievement review, foreign

language (English) examination, and oral examination.

Admission Policy of Pharmaceutical Sciences

This program is aimed at nurturing people who can contribute to the progress of people's health and academic research as researchers, educators, engineers in the fields of pharmaceutical science, as well as specialists who will be responsible for the development and dissemination of pharmaceutical science in the future. To that end, students need to not only learn a wide range of academic knowledge and advanced expertise in pharmaceutical science, but also acquire the ability to integrate and apply them to carry out highly creative researches under a high ethical sense based on the spirit of respect for human beings. For that purpose, this program seeks the following students.

- Those who aim to be excellent researchers, educators, and engineers active in pharmaceutical science and interdisciplinary fields
- Those with expertise in pharmaceutical science and life science
- Those who wish to contribute to the good health of people and the advancement of academic research by solving various issues related to pharmaceutical science through researches
- Those who have sufficient communication and presentation abilities to explain and discuss the content and value of their research projects with researchers in Japan and abroad.

[Basic policy on selection (admission examination types and their evaluation methods)] General Admission Examination

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate 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 or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through 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 2023 (The first recruitment) and Enrollment in October 2022

Program	Application period	Examination date	Date of announcement of successful applicants	Admission procedures (deadline date)
Medical Sciences				(Enrollment in October 2022)
Nursing Sciences	Friday, July 15 to	Thursday,	Friday, September	Friday, September 16, 2022 (Enrollment in April 2023)
Pharmaceutical Sciences	Friday, July 22, 2022	August 25, 2022	9, 2022	Wednesday, March 8, 2023 (provisional)

Enrollment in April 2023 (The second recruitment)

Program	Application period	Examination date	Date of announcement of successful applicants	Admission procedures (deadline date)
Medical Sciences	Monday,			
Nursing Sciences	December 19 to	Wednesday, February 1,		Wednesday, March 8, 2023
Pharmaceutical Sciences	Friday, December 23, 2022	2023	13, 2023	(provisional)

(Note) If the first recruitment reaches the maximum number of applicants, the second recruitment may not be conducted. The availability of the second recruitment will be announced on our website around November 2022.

2. Number of Students to be Admitted

. Name of Gradente to be Mannited				
Program name	Enrollment in April 2023 Number of students to be admitted	Enrollment in October 2022 Number of students to be admitted	Remarks	
Medical Sciences	6	A few	The number of applicants includes the admission quota (a few) for Special Admission Examination for Working Adults and Special Admission Examination for International Students.	
Nursing Sciences	8	A few	The Nursing Sciences program includes the Researcher course, Certified Nurse Specialist (CNS) course (cancer/maternal), and Nurse Practitioner (NP) course*. The number of applicants includes the admission quota (a few) for Special Admission Examination for Working Adults.	
Pharmaceutical Sciences	44	A few	The number of applicants includes the admission quota (a few) for Special Admission Examination for International Students.	
Total	58	-	The number of students to be admitted for each program is an approximate number.	

^{*} Nurse Practitioner (NP) Course is currently in the process of being approved, please contact the Academic and Student Affairs Division of Medicine and Pharmaceutical for more information. (Note) Applicants for admission should consult with their 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.

3. Eligibility for Application

Applicants must fulfill any of the following requirements: In addition to these requirements, applicants who apply for Nurse Practitioner (NP) course in the Nursing Science program must have at least 5 years of nursing experience and a nursing license certified in Japan.

- (1) A person who graduated (or is expected to graduate prior to admission to the graduate school) from a Japanese university.
- (2) A person who was granted (or is expected to be granted a bachelor's degree prior to admission to the graduate school) by the National Institution for Academic Degrees and Quality Enhancement of Higher Education under the provisions of Article 104, paragraph 7 of the School Education Act.
- (3) A person who has completed or is expected to complete prior to admission to the graduate school a 16-year school education course in a foreign country.
- (4) A person who has completed (or is expected to complete prior to admission to the graduate school) a 16-year education course of a foreign school which provides a distance education program, by finishing the subjects of the distance education program of the foreign school in Japan.
- (5) A person (limited to a person who completed a 16-year school education course of a foreign country) who has completed (or is expected to complete prior to admission to the graduate school) the course designated by the Minister of Education, Culture, Sports, Science and Technology in Japan (herein after referred to as MEXT) operated by an educational institution positioned as having a course of a foreign university under the school education system of the foreign country.
- (6) A person who was granted a degree equivalent to a bachelor's degree by completing a course, studying for three or more years at a foreign university or another foreign school (limited to schools that have been evaluated with regard to the overall status of their educational and research activities, etc. by a party certified by the government or a governmental organization of the foreign country, or schools designated as being equivalent thereto by the Minister of MEXT), or is expected to be granted it prior to admission to the graduate school. In the above "completing a course" includes: the completion of the course by taking classes in Japan through distance education operated by a foreign school; or the completion of the course operated by an educational institution positioned under the school education system of the foreign country as well as designated in the preceding paragraph.
- (7) A person who has completed (or is expected to complete prior to admission to the graduate school) a specialized course operated by an advanced vocational school (limited to courses that take four or more years to complete and satisfy other criteria specified by the Minister of MEXT) and designated by the Minister of MEXT on or after the day specified by the Minister of MEXT.
- (8) A person designated by the Minister of MEXT (Public notice No. 5 of the Ministry of Education, 1953)
- (9) A person who was admitted to another graduate school according to the provisions of Article 102, paragraph (2) of the School Education Act, and is admitted to our graduate school on the condition that the person is recognized by us as having academic ability suitable for receiving postgraduate education.
- (10) A person who has been recognized as having academic ability equivalent to or higher than that of university graduates through an individual examination of eligibility for application for this program, and will have turned 22 years old at the time of admission.
- (11) A person who has been enrolled in a university for 3 or more years as of the end of month prior to admission to the graduate school, and has been recognized by us as having acquired the designated credits with an excellent academic record.
- (Note) A person who intends to file an application in accordance with the Eligibility of Application (9) to (11) is required to undergo an individual Examination of Eligibility for Application in advance. See "3. Examination of Eligibility for Application" on page 20, and follow the prescribed procedure.

4. Use of External English Test

For the General Admission Examination, no written foreign language (English) test is conducted, and the applicant's proficiency is judged based on the score of the submitted external English test, which will be converted on a 100-point scale basis.

For the Nursing Sciences program, an applicant who cannot submit the score of the external English tests, a written language (English) examination is conducted.

If you have taken two or more English tests, use one with a higher converted score.

Only the scores of the tests taken on and after September 1, 2020* are valid and acceptable.

* The Nursing Science program has no restriction on the examination date.

Score conversion method

- TOEFL-iBT

70 or more = 100 points

If less than 70

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

- TOEFL-ITP

525 or more = 100 points

If less than 525

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

5. Admission Policy of Medical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of external English test" on page 9), oral examination, statement of reasons for application and academic transcript.

(1) Written examination

Short essay and aptitude test

- The applicants will be asked about their motivation, research plan, interests in Medical Sciences, and ethics.

(2) Oral examination

- Based on the answers from the written examination, the applicants will be asked in an interview about their reasons for application, their plans on how they will use what they have learned so far for the development of their postgraduate study, future research plans, hopes and their plans for social contributions after completion of the course, etc.

(3) Examination Date and Venue

Enrollment in April 2023 (The first recruitment) and Enrollment in October 2022

Examination date	Time	Examination subjects, etc.	Examination venue
Thursday, August 25, 2022	From 11:00 to 12:00	aptitude test	Sugitani Campus (Medicine and Pharmaceutical),
			University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture

Enrollment in April 2023 (The second recruitment)

Examination date	Time	Examination subjects, etc.	Examination venue
Wednesday, February 1, 2023	From 11:00 to 12:00	aptitude test	Sugitani Campus (Medicine and Pharmaceutical),
	From 13:30	Oral examination*	University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture

^{*} 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 send you the examination admission card.

6. Admission Policy of Nursing Sciences

For admission selection, the applicant's basic knowledge and research execution ability required to acquire advanced nursing practice ability and research method are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of external English test" on page 9), and oral examination.

(1) Written examination

Foreign language test: English (An English-Japanese dictionary is allowed to be used during

the test. However, the use of electronic dictionaries and nursing and medical dictionaries is not permitted.)

Short essay and aptitude test

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

(2) Oral examination

- Questions such as motivation for applying to the graduate school and enthusiasm for research are asked.

(3) Examination Date and Venue

Enrollment in April 2023 (The first recruitment) and Enrollment in October 2022

Examination date	Time	Examination subjects, etc.	Examination venue
Thursday, August 25, 2022	1 10111 9.30 10 10.30		Sugitani Campus (Medicine and Pharmaceutical),
	From 11:00 to 12:00	Short essay and aptitude test	University of Toyama 2630 Sugitani, Toyama-city,
	From 13:30	Oral examination *2	Toyama Prefecture

Enrollment in April 2023 (The second recruitment)

Examination date	Time	Examination subjects, etc.	Examination venue		
Wednesday, February 1, 2023	From 9:30 to 10:30		Sugitani Campus (Medicine and Pharmaceutical),		
	F10111 1 1.00 to 12.00	Short essay and aptitude test	University of Toyama 2630 Sugitani, Toyama-city,		
	From 13:30	Oral examination *2	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 send you the examination admission card. (Note) Written examinations in foreign languages (English) will not be conducted for admission examinations for the Nursing Sciences program after April 2024. Instead, you will need to take the external English test in advance.

^{*1} If you use an external English test, you will not be required to take a written foreign language (English) examination. (Note)

7. Admission Policy of Pharmaceutical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of external English test" on page 9), oral examination and academic transcript.

(1) Written examination

Short essay and aptitude test

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

(2) Oral examination

- Questions such as motivation for applying to the graduate school and enthusiasm for research are asked.

(3) Examination Date and Venue

Enrollment in April 2023 (The first recruitment) and Enrollment in October 2022

Examination date	Time	Examination subjects, etc.	Examination venue
Thursday, August 25, 2022	F10111 1 1.00 to 12.00	aptitude test	Sugitani Campus (Medicine and Pharmaceutical),
			University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture

Enrollment in April 2023 (The second recruitment)

Examination date	Time	Examination subjects, etc.	Examination venue
Wednesday, February 1, 2023		aptitude test	Sugitani Campus (Medicine and Pharmaceutical),
	From 13:30		University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture

^{*} 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 send you the examination admission card.

III Special Admission Examination for Working Adults

1. Summary of Admissions Selection Schedule

Enrollment in April 2023 (The first recruitment) and Enrollment in October 2022

		,		
Program	Application period	Examination date	Date of announcement of successful applicants	Admission procedures (deadline date)
Medical Sciences	Friday, July 15 to	Thursday, August		(Enrollment in October 2022) Friday, September 16, 2022
Nursing Sciences		1/5 /11//	2022	(Enrollment in April 2023) Wednesday, March 8, 2023 (provisional)

Enrollment in April 2023 (The second recruitment)

Ç	Application period	date	Date of announcement of successful applicants	Admission procedures (deadline date)
Medical Sciences	Monday, December 19 to Friday,	Wednesday,	Monday, February 13,	Wednesday, March 8, 2023
Nursing Sciences	December 23, 2022	February 1, 2023	2023	(provisional)

(Note) If the first recruitment reaches the maximum number of applicants, the second recruitment may not be conducted. The availability of the second recruitment will be announced on our website around November 2022.

2. Number of Students to be Admitted

Program name	Number of students to be admitted	Remarks
Medical Sciences	A few	This admission quota is included in that for general admission examination.
Nursing Sciences	A few	The Nursing Sciences program includes the Researcher course, Certified Nurse Specialist (CNS) course (cancer/maternal), and Nurse Practitioner (NP) course*. This admission quota is included in that for general admission examination.

^{*} Nurse Practitioner (NP) Course is currently in the process of being approved, please contact the Academic and Student Affairs Division of Medicine and Pharmaceutical for more information.

3. Eligibility for Application

A person who satisfies any of the following requirements and has at least 3 years of work experience and experience of research presentations is eligible for application. In addition to these requirements, applicants who apply for Nurse Practitioner (NP) course in the Nursing Science program must have at least 5 years of nursing experience and a nursing license certified in Japan. (1) A person who graduated from a university.

- (2) A person who was granted a bachelor's degree by the National Institution for Academic Degrees and Quality Enhancement of Higher Education under the provisions of Article 104, paragraph 7 of the School Education Act.
- (3) A person who has completed a 16-year education course by school education in a foreign country.
- (4) A person who has completed a 16-year education course of a foreign school which provides a distance education program by finishing the subjects of the distance education program of the foreign school in Japan.
- (5) A person (limited to a person who completed a 16-year school education course of a foreign country) who has completed the course designated by the Minister of Education, Culture, Sports, Science and Technology in Japan (herein after referred to as MEXT) operated by an educational institution positioned as having a course of a foreign university under the school education system of the foreign country.
- (6) A person who was granted a degree equivalent to a bachelor's degree by completing a course,

^{*} Applicants for the Pharmaceutical Sciences program who are in employment should take the General Admission Examination.

⁽Note) Applicants for admission should consult with their 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 any academic advisor.

studying for three or more years at a foreign university or another foreign school (limited to schools that have been officially authorized by the government or a governmental organization of the foreign country with regard to the overall status of their educational and research activities, etc., or schools designated as being equivalent thereto by the Minister of MEXT). In the above "completing a course" includes: the completion of the course by taking classes in Japan through distance education operated by the relevant foreign school; or the completion of the course operated by an educational institution positioned under the school education system of the foreign country as well as designated in the preceding paragraph.

(7) A person who has completed a specialized course operated by an advanced vocational school (limited to courses that take four or more years to complete and satisfy other criteria specified by the Minister of MEXT) and separately designated by the Minister of MEXT on or after the

day specified by the Minister of MEXT.

(8) A person designated by the Minister of MEXT (Public notice No. 5 of the Ministry of Education, 1953).

(9) A person who was admitted to another graduate school according to the provisions of Article 102, paragraph (2) of the School Education Act, and is admitted to our graduate school on the condition that the person is recognized by us as having academic ability suitable for receiving postgraduate education.

(10) A person who has been recognized as having academic ability equivalent to or higher than that of university graduates through an individual examination of eligibility for application for this

program, and will have turned 22 years old at the time of admission.

(Note) A person who intends to file an application in accordance with the Eligibility of Application (9) and (10) is required to undergo an individual Examination of Eligibility for Application in advance. See "3. Examination of Eligibility for Application" on page 20, and follow the prescribed procedure.

4. Use of External English Test

For the Medical Sciences program, no written foreign language (English) test is conducted, and the applicant's proficiency is judged by the score of the submitted external English test, which is converted on a 100-point scale basis.

For the Nursing Sciences 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. For a person, who cannot submit the score of the external English tests, a written language (English) examination is conducted.

If you have taken two or more Énglish tests, use one with a higher converted score.

Only the scores of the tests taken on and after September 1, 2020* are valid and acceptable.

* Only the Nursing Science program has no restriction on the examination date.

Score conversion method

- TOEFL-iBT

70 or more = 100 points

If less than 70

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

- TOEFL-ITP

525 or more = 100 points

If less than 525

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

310 or less = 0 point

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

730 or more = 100 points

If less than 730

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

5. Admission Policy of Medical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a performance examination, foreign language (English) examination (refer to "4. Use of external English test" on page 13), oral examination, statement of reasons for application and academic transcript.

(1) Oral examination

- Applicants will be asked in an interview about the reasons for application, their interests in research on Medical Science, their plans on how they will use what they have learned so far for the development of their postgraduate study, future research plans, ethics, hopes and their plans for social contributions after completion of the course, etc.

(2) Examination Date and Venue

Enrollment in April 2023 (The first recruitment) and Enrollment in October 2022

Examination date	Time	Examination subjects, etc.	Examination venue
Thursday, August 25, 2022	From 13:30	Oral examination*	Sugitani Campus (Medicine and Pharmaceutical), University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture

Enrollment in April 2023 (The second recruitment)

Examination date	Time	Examination subjects, etc.	Examination venue
Wednesday, February 1, 2023	From 13:30	Oral examination*	Sugitani Campus (Medicine and Pharmaceutical), University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture

^{*} 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 send you the examination admission card.

6. Admission Policy of Nursing Sciences

For admission selection, the applicant's achievements of nursing practice and research activities, interest in research and ability to carry it out, which are required to acquire advanced nursing practice ability and research method, are evaluated through a performance examination, foreign language (English) examination (refer to "4. Use of external English test" on page 13), and oral examination.

(1) Written examination

Foreign language test: English (An English-Japanese dictionary is allowed to be used during the test. However, the use of electronic dictionaries and nursing and

the test. However, the use of electronic dictionaries and nursing and medical dictionaries is not permitted.)

- (2) Oral examination
 - Questions such as motivation for applying to the graduate school and enthusiasm for research are asked.
- (3) Examination Date and Venue

Enrollment in April 2023 (The first recruitment) and Enrollment in October 2022

Examination date	Time	Examination subjects, etc.	Examination venue
17 2022 August 125 2022	From 9:30 to 10:30	, ,	Sugitani Campus (Medicine and Pharmaceutical),
	From 13:30	Oral examination *2	University of Toyama 2630 Sugitani, Toyama-city, Toyama Prefecture

Enrollment in April 2023 (The second recruitment)

Examination date	Time	Examination subjects, etc.	Examination venue
February 1, 2023	From 9:30 to 10:30	, o	Sugitani Campus (Medicine and Pharmaceutical),
	From 13:30	Oral examination *2	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 send you the examination admission card. (Note) Written examinations in foreign languages (English) will not be conducted for admission examinations for the Nursing Sciences program after April 2024. Instead, you will need to

take the external English test in advance.

^{*1} If you use an external English test, you will not be required to take a written foreign language (English) examination. (Note)

IV Special Admission Examination for International Students

1. Summary of Admissions Selection Schedule

Enrollment in April 2023 (The first recruitment) and Enrollment in October 2022

Program	Application period	Examination date	Date of announcement of successful	Admission procedures (deadline date)
Medical Sciences				(Enrollment in October 2022)
Pharmaceutical Sciences	Friday, July 15 to Friday, July 22, 2022	Thursday, August 25, 2022	Friday, September 9, 2022	Friday, September 16, 2022 (Enrollment in April 2023) Wednesday, March 8, 2023 (provisional)

Enrollment in April 2023 (The second recruitment)

	0 _ 0 _ 1			
	Application period	date	Date of announcement of successful applicants	Admission procedures (deadline date)
Medical Sciences	Monday, December	Wodposday	Monday,	Wednesday, March 8, 2023
Pharmaceutical Sciences	19 to Friday, December 23, 2022	February 1 2023		(provisional)

(Note) If the first recruitment reaches the maximum number of applicants, the second recruitment may not be conducted. The availability of the second recruitment will be announced on our website around November 2022.

2. Number of Students to be Admitted

Program name	Number of students to be admitted	Remarks
Medical Sciences		This admission quota is included in that for general admission examination.
Pharmaceutical Sciences	Δ ΤΔΙΛΙ	This admission quota is included in that for general admission examination.

(Note) Applicants for admission should consult with their 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 any academic advisor.

3. Eligibility for Application

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

- (1) A person who has completed or is expected to complete prior to admission to the graduate school a 16-year school education course in a foreign country.
- (2) A person who was granted a degree equivalent to a bachelor's degree by completing a course, studying for three or more years at a foreign university or another foreign school (limited to schools that have been evaluated with regard to the overall status of their educational and research activities, etc. by a party certified by the government or a governmental organization of the foreign country, or schools designated as being equivalent thereto by the Minister of MEXT), or is expected to be granted it prior to admission to the graduate school. In the above "completing a course" includes the completion of the course by taking classes in Japan through distance education operated by a foreign school, or completion of the course operated by an educational institution positioned under the school education system of the foreign country as well as designated in the preceding paragraph.
- (3) A person who has been recognized as having academic ability equivalent to or higher than that of university graduates through an individual examination of eligibility for application for this program, and will have turned 22 years old at the time of admission.
- (4) A person who was admitted to another graduate school according to the provisions of Article 102, paragraph (2) of the School Education Act, and is admitted to our graduate school on the condition that the person is recognized by us as having academic ability suitable for receiving postgraduate education.

(Note) A person who intends to file an application in accordance with the Eligibility of Application (3) and (4) is required to undergo an individual Examination of Eligibility for Application in advance. See "3. Examination of Eligibility for Application" on page 20, and follow the prescribed procedure.

4. Use of External English Test

For the Special Admission Examination for International Students, 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 two or more English tests, use one with a higher converted score.

Only the scores of the tests taken on and after September 1, 2020 are valid and acceptable.

Score conversion method

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- TOEFL-iBT

70 or more = 100 points

If less than 70

Converted point = 100 x (TOEFL-iBT score)/70

- TOEFL-ITP

525 or more = 100 points

If less than 525

Converted point = 100 x {(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 x (TOEIC score)/730
```

5. Admission Policy of Medical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of external English test" on page 16), oral examination, statement of reasons for application and academic transcript.

(1) Written examination

Short essay and aptitude test

- The applicants will be asked about their motivation, research plan, interests in Medical Sciences, and ethics.

Foreign language (English) examination

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

(2) Oral examination

- Based on the answers from the written examination, the applicants will be asked in an interview about their reasons for application, their plans on how they will use what they have learned so far for the development of their postgraduate study, future research plans, hopes and their plans for social contributions after completion of the course, etc.

(3) Examination Date and Venue

Enrollment in April 2023 (The first recruitment) and Enrollment in October 2022

Examination date	Time	Examination subjects, etc.	Examination venue
Thursday, August 25, 2022	From 9:30 to 10:30	, ,	Sugitani Campus (Medicine and Pharmaceutical), University of Toyama 2630 Sugitani, Toyama-city,
	From 11:00 to 12:00	Short essay and	
	From 13:30	Oral examination *2	

Enrollment in April 2023 (The second recruitment)

Examination date	Time	Examination subjects, etc.	Examination venue
	From 9:30 to 10:30	Foreign language (English) *1	Sugitani Campus (Medicine and Pharmaceutical), University of Toyama 2630 Sugitani, Toyama-city,
	From 11:00 to 12:00	Short essay and	
	From 13:30	Oral examination *2	1 ,

^{*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 send you the examination admission card

6. Admission Policy of Pharmaceutical Sciences

For admission selection, the applicant's motivation, enthusiasm and academic ability equivalent to or higher than that of Japanese university graduates (graduating from a 4-year undergraduate school) are evaluated through a short essay and aptitude test, foreign language (English) examination (refer to "4. Use of external English test" on page 16), oral examination and academic transcript.

(1) Written examination

Short essay and aptitude test

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

Foreign language (English) examination

- *1 If you use an external English test, you will not be required to take a written foreign language (English) examination.
- (2) Oral examination
 - Questions such as motivation for applying to the graduate school and enthusiasm for research are asked.

(3) Examination Date and Venue

Enrollment in April 2023 (The first recruitment) and Enrollment in October 2022

Examination date	Time	Examination subjects, etc.	Examination venue
	From 9:30 to 10:30	Foreign language (English) *1	Sugitani Campus (Medicine and Pharmaceutical), University of Toyama 2630 Sugitani, Toyama-city,
	From 11:00 to 12:00	Short essay and	
	From 13:30	Oral examination *2	Toyama Prefecture

Enrollment in April 2023 (The second recruitment)

Examination date	Time	Examination subjects, etc.	Examination venue
	From 9:30 to 10:30	, ,	Sugitani Campus (Medicine and Pharmaceutical),
	From 11:00 to 12:00	Short essay and	University of Toyama 2630 Sugitani, Toyama-city,
	From 13:30	Oral examination *2	

^{*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 send you the examination admission card.

V General Procedure of Application and Admission

1. Application Period

	Category	Application Period
Enrollment in October 2022	General Admission Examination, Special Admission Examination for Working Adults, and Admission Examination for International Students	Friday, July 15 to Friday,
Enrollment in April 2023 (The first recruitment)	General Admission Examination, Special Admission Examination for Working Adults, and Admission Examination for International Students	July 22, 2022 at 16:00
Enrollment in April 2023 (The second recruitment)	General Admission Examination, Special Admission Examination for Working Adults, and Admission Examination for International Students	Monday, December 19 to Friday, December 23, 2022 at 16:00

If you hand in the documents in person to the University, they are accepted between 9:00 and 16:00 on weekdays.

If you mail them, they must reach the University by 16:00 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.

2. Application Procedure

(1) Procedure of application

Applicants for admission must complete payment of the "examination fee," write the relevant information in red ink on the envelope according to the following category, and submit the application documents to the following address by the designated date.

When sending the application documents by mail, use the registered express mail.

Send to: "Examination Section of Admissions Office, Academic and Student Affairs Division of Medical and Pharmaceutical, University of Toyama 2630 Sugitani, Toyama City, Toyama Prefecture, 930-0194, Japan"

For the payment method of "examination fee," refer to "(3). Payment of the Examination Fee."

<Information to be written on the envelope>

General admission examination:

"Application for General Admission Examination of (your choice of program name) is enclosed"

Special Admission Examination for Working Adults:

"Application for Special Admission Examination for Working Adults for (your choice of program name) is enclosed"

Special Admission Examination for International Students: "Application for Admission Examination for International Students for (your choice of program name) is enclosed"

(2) Application Documents

	Documents, etc.	Description
[1]	Application for Admission	The form designated by the university shall be used.
[2]	Reasons for Application (Only applicants for the Medical Sciences program)	The form designated by the university shall be used.
[3]		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.)

[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]	Admission Card for examination, and Photo Card	The form designated by the university shall be used. A photo (4cm long, 3cm wide) taken within 3 months prior to the filing of the application, showing the upper body, without a hat, facing forward, and alone shall be attached to the photo field.
[6]	Certificate of Payment (Examination Fee)	After the payment of the examination fee, download a "Certificate of Payment of Examination Fee" from the examination fee payment website. Print and attach it in the designated area on the "Sheet for attaching Certificate of Payment of Examination Fee," and then submit it to us.
[7]	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)
[8]	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.
[9]	Envelope for sending back Admission Card for examination	The envelope, a Chokei 3 (23.5 cm x 12 cm), is to be used for sending back your admission card for examination. Indicate your postal code, address, and name on the envelope, and affix postage stamps worth 344 yen (express delivery).
[10]	TOEFL and/or TOEIC Score Sheet (Original) (Only for relevant applicants)	Submit the original score sheet for one of the following tests. (The original will be copied at the University and returned to you in a return envelope.) 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 (original one) 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 Only the score sheets of the tests taken on and after September 1, 2020 are valid and acceptable. (* Only the Nursing Sciences program has no restriction on the examination date.)
[11]	Pledge	The form designated by the University shall be used. Refer to "8. Security Export Control" on page 22.
[12]	Certificate of employment (Only for applicants for the Special Admission Examination for Working Adults)	This certificate shall be issued by the applicant's workplace manager certifying that the applicant has at least 3 years' work experience (in any form acceptable).
	Performance Record (Only for applicants for the Special Admission Examination for Working Adults)	Please specify the following information. (Any form acceptable) [a. Outline of your job] Summarize it within 400 characters. [b. Presentation records at academic conferences, etc.] Specify the names of all reporters, titles, names of conferences, locations, and year, and summarize each presentation within 100 characters. [c. Theses, etc.] Specify names of all authors, titles, journals, volumes, issues, pages, year of issue, and summarize each thesis within 100 characters. [d. Books] Specify the names of all authors, titles, publishers, year of publication. if the applicant authored chapters in books, specify chapter titles.

(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.

(3) Payment of the Examination Fee

Pay the examination fee (30,000 yen) via the Examination Fee Payment Website in accordance with the Examination Fee Payment Procedure (page 25).

Examination Fee Payment Website: https://e-apply.jp/n/toyama-gs-payment/ Remarks

- All applicants must pay the administrative fee in addition to the examination fee.
- When making the payment, register the same "name," "address," and other personal information as those written in the Application for Admission.
- The examination fee are payable one week before the application period starts. The examination fee, once paid, will not be refunded for any reason except in the following cases.
 - [1] The applicant has paid the examination fee but has not filed an application to the University of Toyama (e.g. he/she has failed to submit the application documents, etc. or his/her application documents have not been accepted)

[2] The applicant has paid the examination fee twice

[3] The applicant has paid more than the examination fee,

(Note) If you need to request a refund of the examination fee, the "Refund Claim for Examination Fee" (designated form) must be mailed to the University of Toyama with the Certificate of Payment of Examination Fee attached.

Send to: Accounting Group, Financial Affairs Division, University of Toyama 3190 Gofuku, Toyama City, Toyama Prefecture 930-8555, Japan Phone 076-445-6053

3. Examination of Eligibility for Application

Each of applicants who intend to file their applications for the General Admission Examination (9) through (11), Special Admission Examination for Working Adults (9) and (10), and the Special Admission Examination for International Students (3) and (4) will be individually examined in advance. In such cases, make an inquiry to the following section in advance and submit the requested documents by the due date.

[Inquiry and Submission]

Examination Section of Admissions Office, Academic and Student Affairs Division, Schools of Medicine, and Pharmacy and Pharmaceutical Sciences, 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] Academic Transcript

Applicants eligible to apply for the General Admission Examination (11) are also requested to submit an education curriculum of the faculty in which the applicants have enrolled.

[3] Certificate of graduation (certificate of expected graduation)[4] Copy of Certificate of Residence (only applicants who have a foreign nationality and

currently live in Japan)

[5] Curriculum Vitae (form designated 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 344 yen attached).

 [7] Other necessary documents
 * 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 2022	16:00 on Thursday, June 30, 2022
Enrollment in April 2023 (The first recruitment)	16.00 on Thursday, June 30, 2022
Enrollment in April 2023 (The second recruitment)	16:00 on Friday, December 2, 2022

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 2022	Py Thursday, July 14, 2022
Enrollment in April 2023 (The first recruitment)	By Thursday, July 14, 2022
Enrollment in April 2023 (The second recruitment)	By Friday, December 16, 2022

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 or other means.

Category	Announcement
Enrollment in October 2022	15:00 on Friday Santambar 0, 2022
Enrollment in April 2023 (The first recruitment)	15:00 on Friday, September 9, 2022
Enrollment in April 2023 (The second recruitment)	15:00 on Monday, February 13, 2023

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 2022	Friday, September 16, 2022
Enrollment in April 2023	Wednesday, March 8, 2023 (provisional)

- (2) Expenses required for the admission procedure

 - a. Enrollment fee: 282,000 yen (provisional)

 (Note) [1] The enrollment fee shown above is still provisional. If it is revised at the time of [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
 - <Reference> The tuition fee of academic year 2022: 535,800 yen.
 3] There is a scholarship system of Japan Student Services Organization.
 - Other expenses include the fee for the Personal Accident Insurance for Students Pursuing Education and Research.

Persons who have not completed the admission procedure within the Admission procedure period 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 Held by Independent Administrative Agencies, etc., 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 Examination Section of Admissions Office, Academic and Student Affairs Division of Medical and Pharmaceutical 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) If any submitted application document is incomplete, the application may not be accepted.

(2) If the examination fee is not fully paid, the application will 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, Academic and Student Affairs Division of Medicine and Pharmaceutical, 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 Academic and Student Affairs Division of Medicine and Pharmaceutical 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 2022	16:00 on Thursday, lune 20, 2022
Enrollment in April 2023 (The first recruitment)	16:00 on Thursday, June 30, 2022
Enrollment in April 2023 (The second recruitment)	16:00 on Friday, December 2, 2022

(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, Academic and Student Affairs Division of Medicine and Pharmaceutical Sciences.

- [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 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

Academic and Student Affairs Division of Medicine and Pharmaceutical. 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 on the basis of disability at Toyama University (Home page) \rightarrow "About the University of Toyama" \rightarrow "Information".

10. Requirements for Applicants in Association with Measures Against the Novel Coronavirus Infection

(1) Precautions to prevent infection

Keep the prevention of infection in mind in everyday life, and measure the body temperature in the morning to check for changes in physical condition.

(Reference) For Examinees - Precautions for Preventing the Novel Coronavirus Infection https://www.mext.go.jp/content/20201218-mext_daigakuc02-000005144_1.pdf

(2) Medical checkup at a medical institution

Examinees who have symptoms such as fever, coughs, etc. from approximately 2 weeks before the day of the admission examination are requested to have a medical checkup at a medical institution in advance.

(3) Applicants who cannot be permitted to take the admission examination Applicants who are infected by the Novel Coronavirus and hospitalized or under medical treatment at home or an accommodation facility on the day of the admission examination cannot be permitted to take the admission examination. Since a close contact person (a person who has been informed by the Public Health Center that "he/she is identified as a close contact person") without symptoms such as fever, coughs, etc. he/she may be permitted to take the admission examination under certain conditions, contact the office below in advance. Applicants who entered Japan from abroad to take the admission examination cannot be permitted to take the admission examination during the waiting period after entry into Japan.

Contact: Examination Section of Admissions Office, Academic and Student Affairs Division, Schools of Medicine, and Pharmacy and Pharmaceutical Sciences, University of Toyama 2630 Sugitani, Toyama City, Toyama Prefecture, 930-0194, Japan Phone: 076-434-7658

(4) Response on the day of the admission examination

- Examinees who have symptoms such as fever, coughs, etc. and a fever of 37.5°C or higher measured on the day of the admission examination will be requested not to take the admission examination. Examinees who have symptoms such as fever, coughs, etc. and a fever of 37.4°C or lower measured on the day of the admission examination will need to report the condition to the examination supervisors.
- Regardless of whether examinees have symptoms above mentioned, they will be requested to bring a mask (a plain, white or light color mask is recommended; if it is difficult to wear a mask for some reason, consult with the office below in advance) and wear it at all times except during the lunch time. Avoid contact and conversations with other examinees wherever possible during breaks, lunch time, and at the time of entering and leaving the admission examination venue. However, examinees may be instructed to remove their masks to check their identity during the admission examination.
- Be sure to bring plastic bags to put used masks etc. in.
- Examination supervisors and staff on the admission examination venue will also wear masks.

Contact: Examination Section of Admissions Office, Academic and Student Affairs Division, Schools of Medicine, and Pharmacy and Pharmaceutical Sciences, University of Toyama 2630 Sugitani, Toyama City, Toyama Prefecture, 930-0194, Japan

Phone: 076-434-7658

(5) Clothes or lunch on the day of the admission examination

On the day of the admission examination, there will be times when windows are opened to ventilate the admission examination rooms. Thus, be careful with air temperature of the day and bring warm clothes, such as a jacket. Since cafeterias or shops are not available on the admission examination venue on the day, examinees will be requested to bring their own lunch and eat it at their own desks within the designated time.

(6) Disinfection and disposal of garbage

Disinfectant solutions will be installed on each admission examination venue on the day of the admission examination. Examinee will be requested to disinfect their hands when entering or leaving the admission examination venue. Be sure to put used masks or tissues after blowing the nose in a plastic bag, seal it, and throw it in a trash can.

(7) Immunization

In order to reduce the risk of suffering infectious diseases, it is recommended that examinee should get appropriate vaccinations at their own discretion.

(8) Implementation of new lifestyle

In daily life, thoroughly implement basic measures against infectious diseases, including the avoidance of the 3 Cs, namely, closed spaces with poor ventilation, crowded places with many people nearby, and close-contact settings, as well as keeping distance between people, wearing a mask, and practicing hand and finger sanitization such as handwashing. In addition, keep in mind to manage own physical condition, such as taking well-balanced meals, doing moderate exercise, and getting enough rest and sleep.

(9) Report

Examinees who fall under "3 Applicants who cannot be permitted to take the admission examination" or who have a fever of 37.5°C or higher measured on the day of the admission examination will need to promptly report it to the office below. Examinees who are found to be in poor physical condition within 14 days after the admission examination will also need to report it to the office below.

Contact: Examination Section of Admissions Office, Academic and Student Affairs Division, Schools of Medicine, and Pharmacy and Pharmaceutical Sciences, University of Toyama 2630 Sugitani, Toyama City, Toyama Prefecture, 930-0194, Japan

Phone: 076-434-7658

(10) Waiting room

On the day of the admission examination, there will be no waiting room for examinees and their attendants.

(11) Download of the application

It is recommended to download the COVID-19 Contact-Confirming Application (COCOA) in advance.

Note that an examinee who receives notification from the application will not be immediately identified as a close contact person.

Payment Flow of Entrance Examination Fee

Prepare an Email address, a computer that is connected to the Internet, and printer.



Yourapplication is NOT complete until you have registered your information in the entrance examination fee payment website.

Sendus the required documents and the examination fee payment certificate to University of Toyama.



Go to the Entrance Examination Fee Payment Website

The Entrance Examination Fee Payment Website https://e-apply.jp/n/toyama-gs-payment/

Official Website of University of Toyama

https://www.u-toyama.ac.jp/admission/graduate-exam/graduate/



Register Personal Information

- 1) Make sure you follow the screen procedures and important notices.
- 2) Choose the payment method of entrance examination fee.
- 3) Enter the required information and record the payment processing number.



STEP 3 Pay Entrance Examination Fee

[Pay at the Convenience Store, Pay-easy ATM banks, Internet banking]

Make a payment at the convenience stores (Seven Eleven, Lawson, Ministop, Family Mart, Daily Yamazaki, and Seico Mart), Pay-easy ATMs of Post offices or Banks, and internet banking.

* Payment can not be made at stores outside Japan.

[Pay with Credit Card]

Make sure the card number, expiration date, card holder name, and security code, to pay the fee.

(Accepted Credit Cards) VISA, Master, JCB, AMERICAN EXPRESS, MUFG Card, DC Card, UFJ Card, NICOS Card



STEP 4 Print out the Certificate of Payment

The Entrance Examination Fee Payment Website https://e-apply.jp/n/toyama-gs-payment/

Click on "Review" button to download and print out the Certificate

of Payment. Cut along the dotted lines to get your certificate of payment, then paste it on its designated location in the application form.



STEP 5 Send all application documents

Send the form with pasted certificate of payment and all other application documents, via registered express mail at the post office, within the application submission deadline.

*See the details of each school/graduate school for application guide.



■Make sure the information you enter is correct, as you will not be able to revise/change any of this information after registration is complete. However you may re-register the correct information and "revise" the information this way, as long as it is before you have made the payment.

****Take notice that if you chose to pay with your credit card, the payment will be made as soon as you register your personal**

VI Graduate School of Medicine and Pharmaceutical Sciences

The Graduate School of Medicine and Pharmaceutical Sciences is characterized by integrated education and research in medicine, pharmacy and nursing, allowing students to learn high-level practical expertise with a wide range of knowledge, as well as creativity skills based on the spirit of respect for human beings, so as to develop people who can actively contribute to the advancement of academic research and society as advanced medical professionals or educational researchers equipped with good comprehensive judgment.

Based on this objective, a degree will be granted to persons who have made academic achievements confirmed by this graduate school through acquisition of not only universal knowledge and skills in medicine, pharmacy, and nursing based on the fundamental abilities in a wide range of fields of education and research, but also the ability to think and act on their own to create something new based on the advanced specialized knowledge and 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. Medical Sciences

(1) Purpose and Degree

The Medical Science program is designed to develop people who can improve their skills to go on to the graduate school's doctoral course or become professional medical specialists or specialist business workers through their experiences of acquiring specialty knowledge in medical science, practicing medical science research, presenting research results, and writing research papers.

A master's degree (medical science) will be awarded to persons who have completed this program.

(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 2 years, take the designated classes (including special researches) to obtain 30 or more credits, receive the necessary research supervision, and pass the dissertation and final examination.

However, with regard to the period of enrollment, if a person has achieved excellent research results, a master's degree will be awarded to the person on condition that he/she is enrolled in the Master's Course of Graduate School for at least one year.

In addition, if a student, due to circumstances such as having an occupation, etc., puts forward a plan to take and complete a course in a planned manner for a certain period beyond the standard length of study (2 years), the plan may be approved.

(4) List of Research projects Conducted by Academic Advisors

See the attached Table I-1.

2. Nursing Sciences

(1) Purpose and Degree

In order to respond to the diverse needs of modern society, the purpose of this program is to develop highly specialized medical professionals or educational researchers who can play an active role in the fields of health, medical care and welfare by comprehensively utilizing the results of research and interdisciplinary knowledge in the specialized field of nursing.

This program includes Researcher course, Certified Nurse Specialist (CNS) (Maternal-Child Nursing CNS and Cancer Nursing CNS) course, and Nurse Practitioner (NP) course. Of these, the Certified Nurse Specialist (CNS) and Nurse Practitioner (NP) courses require nursing experience. Also, the Nurse Practitioner (NP) course is designed for a small number of excellent students, so we will take about 2 persons per year.

A master's degree (nursing sciences) will be awarded to persons who have completed this program.

(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 to be taken from 18:10 to 21:20 from Monday through Friday. Apart from this schedule, you can take the classes on Saturdays or 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

Also, please note that practical training in the Certified Nurse Specialist (CNS) and Nurse Practitioner (NP) courses will be conducted during the daytime on weekdays.

(3) Requirements for Completion of Courses

As a general rule, students must be enrolled for at least 2 years and acquire the following credit: at least 30 for the Researcher course (or 32 if Maternal-Child Nursing is chosen), at least 54 for the Certified Nurse Specialist (CNS) course (Maternal-Child Nursing CNS, and Cancer Nursing CNS), and at least 71 (Acute care) or 66 (Chronic care) for Nurse Practitioner (NP) course. In addition, they are required to pass the dissertation and final examination after receiving the necessary research supervision.

However, with regard to the period of enrollment, if a student has achieved excellent research results, a master's degree will be awarded to the student on condition that he/she is enrolled in this course of the Graduate School of Sustainability Studies for at least 1 year.

In addition, if a student, due to circumstances such as having an occupation, etc., puts forward a plan to take and complete a course in a planned manner for a longer period up to 4 years beyond the standard length of study (2 years), the plan may be approved.

(4) List of Research projects Conducted by Academic Advisors

See the attached Table I-2.

3 Pharmaceutical Sciences

(1) Purpose and Degree

The Pharmaceutical Sciences program is designed to provide students with a wide range of knowledge and deep expertise, abundant medical creativity, and good comprehensive judgment with respect for human beings, so that it nurtures people who can contribute to the progress of people's health and academic research as researchers, educators, engineers, and specialists who are responsible for the development and dissemination of pharmaceuticals.

A master's degree (pharmaceutical sciences) will be awarded to persons who have completed this program.

(2) Requirements for Completion of Courses

As a rule, students must be enrolled for at least 2 years, take the designated classes (including special researches) to obtain 30 or more credits, receive the necessary research supervision, and pass the dissertation and final examination.

However, with regard to the period of enrollment, if a person has achieved excellent research results, a master's degree will be awarded to the person on condition that he/she is enrolled in the Master's Course of Graduate School for at least one year.

In addition, if a student, due to circumstances such as having an occupation, etc., puts forward a plan to take and complete a course in a planned manner for a certain period beyond the standard length of study (2 years), the plan may be approved.

(3) List of Research projects Conducted by Academic Advisors

See the attached Table I-3.

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

Educational area	rojects Conducted by Academic Advisors (Wedicar Sciences)
	D. I
Responsible teacher	Research contents
Contact address	
Anatomy	Using the advantages of model animals and the idiosyncrasies of non-model animals, we study
Professor	experience-dependent modification of neural circuits that regulate emotion and associated
ICHIJO Hiroyuki	behavioral alterations, computational analysis and evolution of innate defensive behaviors, and
ichijo@med	the neural basis of left-right (right-handedness/left-handedness) behavior.
Physiology Associate Professor NISHIMARU Hiroshi nishimar@med	The amount of information processed in our brain in our daily life is estimated to be about 10 billion bits per second. These processes are carried out by the neural networks in the brain which are thought to be a real-time massive parallel processing system. Unraveling the mechanisms and principles of these networks is crucial for understanding how our brain works and also provides us a hint to live through the modern highly information-oriented society. To this end, we utilize neurophysiological and neuropsychological experimental approaches to elucidate higher brain functions including cognition of sensory information (input system), and behavioral manifestation based on sensory perception, memory, decision-making and motor control (output system).
Physiology Professor TAMURA Ryoi rtamura@med	This century will be the era of brain sciences. "The mind" has long been regarded as one of the most enigmatic psychological processes. Recent technological advances have enabled us to approach the neural basis of the mind. The purpose of our research is to elucidate brain mechanisms of "learning and memory", one of the key members of the mind. For this, we mainly use laboratory animals such as monkeys and rats, record neural activities in the brain of the animals while they perform a behavioral (learning and memory) task or they are asleep subsequent to the task performance, and analyze the pattern of brain activities.
Brain Science Professor INOKUCHI Kaoru inokuchi@med	Recently it has been clarified that neurons in the brain are active even when animals sleep or rest, denoted as "idling brain state". Idling activity of the brain appears to play important roles in information processing than previously thought. In our laboratory, we aim to clarify the role played by idling brain by making full use of molecular biology, biochemistry, cell biology, histochemistry, electrophysiology, behavioral pharmacology, optogenetics, and live-imaging.
Systems Function and Morphology Professor ITO Tetsufumi itot@med	We do not sense the world as it is, but do collect the information which is important for our survival and recognize the sensory objects which are further selected by both unconscious and conscious processes. For the selection, which is essential for survival, animals possess sensory organs and neuronal circuitry which are optimized for their circumstances. Our laboratory mainly focuses on the hearing system, and study the mechanisms which allow to detect and sense the meaningful information for survival from environmental sounds. Using various techniques, we would like to investigate functional and morphological basis of the brain which allows the coding of sensory information, especially sounds, and the sensory perception.
Pathology Professor HIRABAYASHI Kenichi hiraken@med	Pathology is a field that deals with the pathophysiology and diagnosis of diseases. Pathology targets a wide range of diseases throughout the body, including not only malignant tumors but also inflammatory diseases. Until now, pathology has focused on the evaluation of macro- and microscopic morphology, but pathology is undergoing major changes with the introduction of molecular diagnostics and comprehensive genetic analysis. In our department, we are conducting clinical and basic research, including molecular methods, to elucidate the functions of diseases and to establish new disease concepts. In particular, we are conducting research on biliary tract and pancreatic diseases.

Educational area	
Responsible teacher	Research contents
Contact address	
Microbiology	The commensal microbiota on our body surface can affect our health and diseases. However,
Professor	some microorganisms, which we call pathogens, also induce infectious diseases. We focus on
MORINAGA Yoshitomo	the interaction between the microbiota and pathogenic microorganisms using culture- and
morinaga@med	molecular-based techniques and try to understand their roles on our health and diseases.
Molecular and Medical	Recently, a number of aging- and longevity-related molecules have been identified.
Pharmacology	Interestingly, most of them are linked with metabolism, and it has been reported that many of
Professor	energy-sensing pathways are deeply involved in aging process. NAD (Nicotinamide adenine
NAKAGAWA Takashi	dinucleotide) is an important co-factor, and regulates various cellular processes, including
nakagawa@med	energy metabolism, stress responses, and DNA damage repair. Decline of NAD metabolism
	causes physiological aging and aging-related diseases, such as cancer, neurodegenerative
	disease and metabolic disease. Aim of our laboratory is elucidating the molecular mechanism how NAD metabolism and its downstream targets regulate aging process. We also try to
	develop anti-aging therapeutics. Our lab takes the advantage of state-of-the-art techniques
	including metabolomics based on LC/MS and GC/MS, and mouse models in which various
	NAD synthesis and consuming enzymes are genetically engineered. We also elucidate the
	pharmacological action of KAMPO medicine using metabolomics.
Epidemiology and	Our mission is to conduct epidemiological studies and apply the results for health policy. To
Health Policy	achieve this mission, we conduct several epidemiological studies. The Japanese civil servants
Professor	study (the JACS study) comprises approximately 5,000 Japanese civil servants and aims to
SEKINE Michikazu	clarify whether socioeconomic factors, psychosocial stress at work, and work-life balance is
sekine@med	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.
	· 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 honcommunicable diseases from childhood • Epidemiological study on the prevention of dementia
2.11.77.11	
Public Health and	Focus of children's environmental health is the discovery and prevention of diseases in
Environmental Madicine	children that are associated with harmful exposures from the environment. Our department is
Medicine Professor	one of the regional centers of the Japan Environment and Children's Study, a nationwide birth cohort study in Japan. We also conducted toxicological research of environmental chemicals.
INADERA Hidekuni	The goal of occupational health is the promotion of the highest degree of physical, mental and
inadera@med	social well-being of all workers.
madera e med	occini non boing of an norkero.

Educational area	
Responsible teacher	Research contents
Contact address	
Legal Medicine Professor NISHIDA Naoki nishida@med	We mainly interested in cardiovascular and neuropathology, and aim to establish the new aspect of the field. The area od studies are not localized in morphology, but the method of molecular biology is used. We try to perform investigation to contribute the progress of clinical medicine such as diagnosis and treatment, in addition to progress of forensic medicine.
Molecular Neuroscience Professor MORI Hisashi hmori@med	We focus on molecular basis of brain function and dysfunction. To develop the novel methods for diagnosis and cure of neurodegenerative and neurodevelopmental disorders, we have used molecular biological approaches to generate new mouse models of such disorders and new probes to detect functional change in the brain.
Health Professional Education Professor TAKAMURA Akiteru akiteru@med	Students will learn basic theories of pedagogy, andragogy and medical education based on cognitive psychology and behavioral science, etc., and research educational curriculum development, learner evaluation and assessment, teaching methods, etc. using these theories. In addition, we will conduct systems research in the area of primary care, including general practice, community-based comprehensive care, and multidisciplinary collaboration.
Clinical and Cognitive Neuroscience Professor HAKAMATA Yuko hakamata@med	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.
Diabetes and metabolism, rheumatic and respiratory diseases Professor TOBE Kazuyuki tobe@med	 Dissection of the pathogenesis of type 2 diabetes and metabolic syndrome. Development of the methods to treat and prevent them. Dissection of genetic factors of type 2 diabetes, rheumatoid arthritis and asthma. Development of tailor-made therapy. The role of Sirtuin family proteins, longevity genes, in the development of metabolic syndrome and type 2 diabetes. Dissection of the pathogenesis of lung and rheumatic diseases. The development of methods to detect lung cancers at an earlier stage. Regulatory mechanisms for gut microbiome on glucose metabolism.
Internal Medicine Professor KINUGAWA Koichiro kinugawa@med	Cardiovascular diseases have been increasingly popular in Japan along with aging society. Ischemic heart disease due to atherosclerosis with uncontrolled multiple risk factors, valvular disease in aged population, heart failure as a terminal figure of all heart disorders, and a number of arrhythmias modifying their clinical course are common. It is crucial to find out the underlying mechanisms of them, and to explore the therapeutic and preventive strategies for them. Also, renal diseases are closely related with cardiovascular diseases, and the relationship has been called as cardio-renal syndrome. Not only primary kidney disease such as nephritis, but also secondary renal dysfunction caused by heart failure should be an important target for investigation
Internal Medicine Professor YASUDA Ichiro yasudaic@med	Gastrointestinal diseases are very popular and various. The second to fifth causes of cancer death in Japan are currently gastrointestinal cancers. Besides malignant tumors, they include benign tumors, inflammatory, infectious, and functional disorders. We elucidate the pathogenesis of such diseases and conduct basic and clinical studies on the diagnosis and therapy.

Educational area	
	D 1
Responsible teacher	Research contents
Contact address	
Clinical Infectious	(Research content)
Diseases	Study of infectious diseases
Professor	(Guidance content)
YAMAMOTO	Pharmacokinetics-pharmacodynamics analysis of antimicrobial agents
Yoshihiro	Appropriate antibiotic treatment with molecular microbiology
yamamoto@med	Establishing surveillance system of nosocomial infection
	Analysis of prognostic factors of Legionella Infection
Dermatology	Environmental and intrinsic factors cause exacerbation of skin diseases. For example,
Professor	percutaneous entry of environmental allergens through barrier-disrupted skin is strongly
SHIMIZU Tadamichi	associated with the induction of immunological responses. Exposure to ultraviolet radiation
shimizut@med	leads to various acute deleterious cutaneous effects including sunburn and
	immunosuppression, and the long-term consequences lead to premature aging, including
	photo carcinogenesis. The purpose of our department is to investigate the mechanisms of
	cutaneous diseases caused by environmental and intrinsic factors.
Neuropsychiatry	Recent advances in brain imaging techniques have enabled us to explore brain structure and
Professor	function non-invasively in vivo. However pathophysiology and mechanisms of mental disorders
SUZUKI Michio	are still remain elusive. In our department, clinical and basic researches are being performed to
suzukim@med	elucidate pathophysiology of severe mental illnesses such as schizophrenia and to develop
	innovative and optimized approaches for diagnosing and treating patients for the purpose of
	improving their long-term outcome.
Diagnostic and	By the rapid development of the medical imaging, not only high-resolution anatomical image
Therapeutic Radiology	but also functional image can be obtained. Using the functional images, we are able to evaluate
Professor	the function and metabolism of the living body. We aim at developing the new imaging method
NOGUCHI Kyo	of early diagnosis with combination of the high-resolution anatomical image and functional
kyo@med	image
Radiation Oncology	Biological effects of physical and chemical stresses (radiation, ultrasound, hyperthermia,
Professor	plasma and chemicals) and their application for therapeutics.
SAITOH Jun-ichi	
junsaito@med	
Surgery	We reach an aging society, and coronary disease, aneurysms, peripheral arterial disease,
Professor	malignant neoplasms increase, and the less invasive surgical technique should be developed.
YOSHIMURA Naoki	
ynaoki@med	
Second Surgery	The aim of our research is to solve the clinical questions and feed them back to the clinical
Professor	practice. Research for the science and technology about esophagus-gastro-enterological
FUJII Tsutomu	surgery, liver-biliary-pancreatic surgery, pediatric surgery and breast and thyroid disease
fjt@med	surgery.
Neurosurgery	(Research content)
Professor	Neurosurgical aspects of basic and clinical research are included in this course.
KURODA Satoshi	(Guidance content)
skuroda@med	(1) Stem cell research
	(2) Molecular and stem cell research of malignant glioma
	(3) Angiogenesis of cerebrovascular disorders
	(4) Cognitive function in neurosurgical disorders
	(5) Electrophysiological analysis
	(6) Epidemiological analysis of stroke

Educational area	
Responsible teacher	Research contents
Contact address	Research contents
Orthopaedics and	Developmental highers of abalatal tiques
*	 Developmental biology of skeletal tissues Pathomechanism of joint destruction
Locomotor System Science	
Professor	• Development of therapeutic strategy for arthritic diseases
KAWAGUCHI	 Genetic analysis of spinal disorders Biomarkers of spinal disorders
Yoshiharu	Clinical outcomes of spinal surgeries
zenji@med	Differentiation induction for malignant soft tissue tumors
Obstetrics and	Pregnancy is well balanced with sexual hormones, cytokines, chemokines, or angiogenic
Gynecology	factors. As fetuses and mothers talk to each other during pregnancy, the disruption of this talk
Professor	leads to some diseases in pregnancy, such as preterm labor, preeclampsia, or recurrent
NAKASHIMA	pregnancy loss. So far, we have focused on and investigated the relationship between fetuses
Akitoshi	and mothers from the viewpoints of immunology and molecular biology, especially autophagy,
akinaka@med	a mechanism for maintaining cellular homeostasis. Recently, we also tackle to develop new
akmakae med	diagnostic technics for preterm labor, preeclampsia, or recurrent pregnancy loss, so called
	"bench-to-bedside".
	For the gynecologic cancers, we tried to expect the prognosis by an immunological change in
	peripheral blood from women with MSI-high endometrial cancers. The technics might be
	available for other types of cancers. In addition, we investigate the role of autophagy for
	cervical cancers between with and without the HPV infection.
Ophthalmology	Ophthalmology is an area to research the eye which plays important roles in quality of life. The
Professor	eye is a peculiar organ and needs specific approaches for its research. Our department focuses
HAYASHI Atsushi	on quantitative analysis of eye movement using eye-tracker in strabismus patients, evaluation
ahayashi@med	of treatment effects on orbital diseases using MRI images, neuroprotection research using
	ischemia-reperfusion model in animals. Our department is also researching new applications of
	hyper dry amniotic membrane for eye diseases. We aim translational researches.
Urology	Our medical staffs in the department have dedicated themselves to better care for patients
Professor	having urological diseases. We are conducting basic and translational research for providing
KITAMURA Hiroshi	various strategies for treatment of the diseases that patients are satisfied with. We are
hkitamur@med	enthusiastic about studying basic science of urology that will lead to a future innovative
	treatment.
Comprehensive	Oral and maxillofacial region is composed of several important organs for articulation,
Oral Sciences	mastication and deglutition, which are essential for human life. Several disturbances of these
Professor	functions may lead to decreasing quality of life.
NOGUCHI Makoto	Early detection and early treatment of oral disease could contribute to keep up the social
mnoguchi@med	activity as well as to improve patient's prognosis. Our research programs address for better
0	understanding pathogenesis of oral disease and developing of novel treatment modalities based
	on the basic research. Further, studies on rehabilitation of oral function and the functional
	reconstruction are being pushed along.
Neurology	The pathomechanisms of many neurological diseases are not well-known and there are few
Professor	effective treatments against those disorders due to the lack of appropriate methods to
NAKATSUJI Yuji	elucidate. However, recent development of image analysis and analyzing biological samples,
nakatsuj@med	and neuroimmunological insight enable new approaches to elucidate. We need to learn latest
	knowledges and way of thinking to establish novel approaches to understand the disorders.

Educational area	
Responsible teacher	Research contents
Contact address	
Emergency and Disaster Medicine Associate Professor WAKASUGI Masahiro mwaka@med	Emergency and disaster medicine deals with a wide range of topics, from the issue of clinical emergency medical treatment to social medicine related to the emergency medical systems and disaster response. In this course, we conduct research on standardization of initial emergency care, Emergency room triage system, and the development of pre-hospital emergency medical service.
Internal Medicine Professor SATO Tsutomu tsutomus@med	With the advancement of an aging society, patients who have hematological malignancies have been steadily increasing. Since hematological malignancies are highly sensitive to chemotherapy, progress of chemotherapy has been accompanied by that of hematology. Hematopoietic stem cell transplantation was an answer reached by an extreme line of thought that the more chemotherapeutic agent was administered, the more cancer cells were killed. However, there were limits to that therapy, that is, severe side effects and multidrug resistance in tumor cells. Molecularly-targeted therapy and preventing side effects of chemotherapy is modern trends today. To meet such social needs, bench-to-bed research has been conducted in our department.
Clinical Oncology Professor HAYASHI Ryuji hsayaka@med	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. Research of immuno-oncology with cancer model mice. Cancer metabolism. Cancer cell biology and target therapy.
Patient Safety Professor NAGASHIMA Hisashi hisashin@med	Patient safety plays an important role in modern health care system but not well systematized. We are conducting basic and clinical research regarding systematic approach for creating and managing patient safety system and focused on changing healthcare environment affected by the current progress in health care sciences, divergence of public values, change of age composition and introduction of "Community-based integrated care systems".
Plastic, Reconstructive and Aesthetic Surgery Professor SATAKE Toshihiko toshi@med	Plastic, Reconstructive and Aesthetic Surgery aims to improve the patients' post-operative quality of life by correcting/enhancing the morphology, function, and color of their body surface with surgery, lasers, and other procedures. Our focus is on congenital anomalies of the face, extremities and trunk, trauma care and reconstructive surgery after cancer removal with better functional and cosmetic outcomes, anti-aging treatment, and cosmetic surgery. Our research mission is to look ahead 10-20 years, advance knowledge and create new treatment which is minimally invasive, with excellent functional and aesthetic outcomes and patient satisfaction.

Responsible teacher Contact address Integrative Medicine and Mathematical Medicine Professor TAKAOKA Yutaka ytakaoka@med 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 Prediction of drug efficacy of molecularly target drugs for cancer based on molecular simulation and mathematical models Prediction of drug repurposing to computational drug design Molecular simulation analysis of pathological conditions caused by amino acid substitutions Application of AI technologies such as machine learning and natural language processing to improvement of hospital functions Research for Elderly Health Care as a Public Service Rehabilitation Medicine Professor HATTORI Noriaki hattorin@med ADL (activities of adily living) and QOL (quality of life). The target diseases and injuries are not limited to the neurological and orthopedic diseases, but also include cardiovascular, respiratory, and other visceral diseases, cancer, sarcopenia, and frailty. The subjects of our research are the development of objective indicators for rehabilitation medicine using the latest technology and analysis methods for these disorders, as well as the creation of new rehabilitation intervention methods to promote functional recovery and to improve patients' ADL and QOL. Behavioral Physiology Professor TAKAO Keizo TAKAO Keizo TAKAO Keizo TAKAO Keizo TAKAO Keizo Takao Setsian Integrative Medicine and Mathematical Modicine addresses acupuncture research which is based on molecular simulation and mathematical models in eventuals in adverse drug reactions for peace on molecular simulation and enumentation of drug efficacy of molecularly target drugs for cancer based on molecular simulation and mathematical models Prediction of drug efficacy of molecularly target drugs for cancer based on molecular simulation and mathematical models Prediction of drug efficacy of moleculary target dr	Educational area	
Integrative Medicine and Mathematical Medicine and Second on molecular cell biology and bioinformatics, molecular simulation-based mathematical modeling of medicine and social medicine research as follows: - Molecular mechanisms of therapeutic effects of acupuncture - 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 - Pesign 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 amino acid substitutions - Application of AI technologics such as machine learning and natural language processing to improvement of hospital functions - Research for Elderly Health Care as a Public Service Rehabilitation Medicine Based on the conventional concept of rehabilitation, namely, recovering physical and mental functions deteriorated due to diseases or injuries to overcome disabilities, recent rehabilitation medicine focuses on the individual "activity", and is aiming for having patients obtain better HATTORI Noriaki hattorin@med ADL (activitics of daily living) and QOL (quality of life). The target diseases and injuries are not limited to the neurological and orthopedic diseases, but also include cardiovascular, respiratory, and other visceral diseases, cancer, sarcopenia, and frailty. The subjects of our research are the development of objective indicators for rehabilitation medicine using the latest technology and analysis methods for these disorders, as well as the creation of new rehabilitation intervention methods to promote functional recovery and to improve patients' ADL and QOL. Behavioral Physiology "Mind" is one of many brain functions. The brain receives and processes various ty	Responsible teacher	Research contents
Integrative Medicine and Mathematical Medicine addresses acupuncture research which is based on molecular cell biology and bioinformatics, molecular simulation-based mathematical modeling of medicine and social medicine research as follows: TAKAOKA Yutaka ytakaoka@med 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 amino acid substitutions Application of AI technologies such as machine learning and natural language processing to improvement of hospital functions Research for medical treatment systems and elderly care service systems Research for Elderly Health Care as a Public Service Rehabilitation Medicine Professor HATTORI Noriaki hattorin@med Integrative Medicine and Mathematical Modeline and social medicine focuses on the individual "activity", and is aiming for having patients obtain better ADL (activities of daily living) and QOL (quality of life). The target diseases and injuries are not limited to the neurological and orthopedic diseases, but also include cardiovascular, respiratory, and other visceral diseases, cancer, sarcopenia, and frailty. The subjects of our research are the development of objective indicators for rehabilitation medicine using the latest technology and analysis methods for these disorders, as well as the creation of new rehabilitation intervention methods to promote functional recovery and to improve patients' ADL and QOL. Professor TAKAO Keizo TAKAO Keizo TAKAO Keizo Takao@ccs Takao@ccs	•	
Mathematical Medicine Professor TAKAOKA Yutaka ytakaoka@med Molecular mechanisms of therapeutic effects of acupuncture 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 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 amino acid substitutions Application of AI technologies such as machine learning and natural language processing to improvement of hospital functions Research for medical treatment systems and elderly care service systems Research for Elderly Health Care as a Public Service		Integrative Medicine and Mathematical Medicine addresses acupuncture research which is
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	TAKAO Keizo	of brain function. Even with today's technology, it is difficult to directly study "mind", but
aims to resolve the cellular and molecular mechanisms of "mind", including memory, learning,	takao@cts	
and emotion, using behavioral genetics, optogenetics, and pharmacologic and physiologic		
techniques. With these techniques, we also aim to resolve the pathophysiology of		
neuropsychiatric disorders and to develop treatments for these diseases. In addition, we are		
working to develop mouse models of nervous system diseases, and new reproductive technologies.		
Innovative Clinical We are working on the development and support for innovative clinical research to investigate	Innovative Clinical	
Research the pathology of various diseases and to develop novel therapies. We are not only conducting		
Professor clinical research, but also investigating how to improve systems for conducting clinical		
CHUJO Daisuke research, such as supporting systems for writhing protocols, medical statistics, data		
dchujo@med management, and clinical research coordination, leading to the development of clinical	·	
research experts. In addition, we are conducting observational studies using the data from	Í	
electronic health records, registry studies for various diseases, and interventional studies to		
develop innovative medicine. We are also working on the development of human resource		
handling medical data.		handling medical data.

Table I-2 List of Research projects Conducted by Academic Advisors (Nursing Sciences)

Educational area	
Responsible teacher	Research contents
Contact address	
Fundamental Nursing Professor NISHITANI Miyuki nisitani@med	1 Research on the development of rationales, methodologies, and scales to improve the quality of nursing practice 2 Research on the extraction of nursing logic in nursing practice, nursing education, and nursing management
Adult Nursing Professor YATSUZUKA Miki ymiki@med Professor YASUDA Tomomi tomomi@med	1 Research on cancer nursing 2 Research on social reintegration of persons with defecation disorders 3 Research on bedsore prevention and wound care 4 Research on adult nursing education 5 research on computer teaching materials 6 Research on nurse practitioner's role, responsibility, decision support, and team medicine across different fields
Maternity Nursing Professor HASEGAWA Tomomi thase@med	1 Research on perinatal mental health 2 Research on growth and development of children 3 Research on mother-child interaction 4 Research on family support for mothers and children 5 Research on mother-to-child infection 6 Research on pediatric clinical nursing
Psychiatric/Mental Health Nursing Professor HIGA Hayato hhiga@med	1 Research on mental health 2 Research on spiritual health 3 Research on mental and spiritual health nursing care 4 Research on psychiatric nursing education
Community Health Nursing Professor TAMURA Sugako tamusuga@med	1 Research on the evaluation of community health nursing 2 Research on the development of community care systems 3 Research on the method of health guidance for health problems caused by lifestyle 4 Research on the promotion of home care nursing
Human Science Professor KANAMORI Masahiko kanamori@med	1 Basic research on human science and disease studies 2 Clinical research on medical practice 3 Research on hospital infection 4 Research on anti-microbial effects of natural ingredients
Behavioral Science Professor HORI Etsuro hori@med	1 Basic behavioral science research on emotion and communication 2 Physio-behavioral research on nursing art and science

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

	rojects Conducted by Academic Advisors (Pharmaceutical Sciences)
Educational area	
Responsible teacher	Research contents
Contact address	
Biopharmaceutics	Blood-retinal barrier transport function analysis and drug delivery to the retina
Professor	Blood-retinal barrier cell reconstruction and analysis of interaction between cells
HOSOYA Ken-ichi	Elucidation of biological function and transport function in in vivo barrier tissue
hosoyak@pha	
Applied	• Elucidation of pathogenesis mechanisms of neurodegenerative diseases, pruritus, pain and
Pharmacology	dysesthesia and search and development of preventive and therapeutic drugs for these
Professor	disorders
KUME Toshiaki	Establishment of novel animal models that exhibit the brain diseases and the sensory
tkume@pha	symptoms, such as itch, pain and dysesthesia
	Search for cytoprotective substances derived from foods and plants
Biorecognition	· Chemical biology for efficient drug discovery: target identification, visualization, utilization,
Chemistry	and manipulation
Professor	Drug activity-based functional proteomics
TOMOHIRO Takenori	Synthetic multicomponent integration strategy toward chemical biology and drug discovery
ttomo@pha	
Cancer Cell Biology	• Elucidation of the molecular mechanisms of tumor progression via inflammatory signaling
Professor	pathways
SAKURAI Hiroaki	Study on the activation mechanisms of molecular targets in cancer therapy
hsakurai@pha	Study on the intracellular signals in malignant progression of melanoma
Cl : 1 D: 1	
Chemical Biology	• Chemical biology based on synthetic chemistry, particularly three projects in artificial DNA,
Associate Professor	protein control, and saccharide recognition
CHIBA Junya	
chiba@pha Synthetic and	D1
Medicinal Chemistry	 Development of new organic reactions for drug discovery Search for novel seeds of new drugs and structure-activity relationship research
Professor	
MATSUYA Yuji	Synthesis and structural optimization of bioactive compounds
-	
matsuya@pha Molecular	Elucidation of the molecular mechanisms underlying regulation of neuronal function and
Neurobiology	plasticity by gene expression and cellular communication between synapses and a nucleus
Associate Professor TABUCHI Akiko	• Studies on neurological disorders caused by dysfunction of transcription factors and synaptic
	molecules
atabuchi@pha	Basic studies on transcription factors and synaptic molecules toward drug development
Gene Regulation	targeted for neurological disorders Study on the molecular mechanism of transcription initiation by RNA polymerase II
Associate Professor	• Study on the molecular mechanism of transcription initiation by KNA polymerase if • Study on the role of mammalian Mediator complex in controlling gene expression
HIROSE Yutaka	• Study on the role of mammalan Mediator complex in controlling gene expression • Study on the regulatory mechanism of pre-mRNA processing coordinated with transcription
yh620@pha	• Study on the regulatory mechanism of pre-mkNA processing coordinated with transcription • Study on the pathogenic mechanisms of human diseases caused by misregulation of gene
упо20@рпа	expression program
	capicosion program
Molecular Cell Biology	Elucidation of novel proinflammatory cytokine signaling mechanisms regulated by TRAF
Professor	family molecules
SO Takanori	• Elucidation of regulatory mechanisms of TNFR family molecules in CD4+ T cells
tso@pha	· Elucidation of molecular pathology of X-linked adrenoleukodystrophy

Educational area	
Responsible teacher	Research contents
_	Research contents
Contact address	
Medicinal	Comprehensive elucidation of biosynthetic pathways producing secondary metabolites in
Bioresources	medicinal plants
Associate Professor	• Relationship between structures and catalytic activities of biosynthetic enzymes of natural
TAURA Futoshi	products
taura@pha	Application of biosynthetic genes for synthetic biology
Synthetic and	Development of environmentally benign organic reactions
Biomolecular	Synthesis of biologically active natural products
Organic Chemistry	· Pharmaceutical chemical research in bioactive substances
Professor	
YAKURA Takayuki	
yakura@pha	
Biointerface Chemistry	Study of membrane lipid dynamics and elucidation of lipid transfer machinery
Professor	• Elucidation of lipid flip-flop mechanisms
NAKANO Minoru	Biophysical research for interaction of amyloid beta with membranes
mnakano@pha	• Structural and functional investigation and pharmaceutical application of lipid nanoparticles
_	
Structural Biology	Studies on the conformations of disease related proteins
Professor	Structural basis for intracellular membrane trafficking
MIZUGUCHI Mineyuki	Protein structure-based drug discovery
mineyuki@pha	
Pharmaceutical	Physiological, biochemical and pharmacological studies on normal and cancer cells to clarify
Physiology	1) interactions between drugs and iontransporting proteins
Professor	2) transportsome functions
SAKAI Hideki	3) functional relations among iontransporting proteins
sakaih@pha	
Medical	Translational research for clinical application of chronotherapy
Pharmaceutics	• Development of new drugs targeting factors regulating the circadian rhythm of morbid
Professor	states
TO Hideto	Application of chronotherapy for individualized medicine
hidetoto@pha	Nasal formulation development and therapeutic application for CNS diseases by nose-to-
1	brain drug delivery system
Clinical Pharmacology	• Development of new insulin sensitizers based on the mechanisms of type 2 diabetes and
Professor	insulin resistance
SASAOKA Toshiyasu	• Elucidation of central mechanisms regulating energy and glucose homeostasis via inter-
tsasaoka@pha	organ metabolic pathway
isasaoka@piia	Development of a novel treatment of diabetic complications based on the pathogenic
	mechanisms
	incentarionio
Clinical	· Basic and clinical research on pharmacokinetics and drug efficacy/toxicity: especially,
Pharmacokinetics	analysis of effects of disease states, concurrently-administered drugs, and genetic
Professor	polymorphisms on the function of the drug-metabolizing enzyme and transporter;
HASHIMOTO Yukiya	furthermore, development of individualized dosage regimens based on the influencing factors
yukiya@pha	identified

Educational area Responsible teacher Contact address Pharmaceutical Therapy and Neuropharmacology Professor NITTA Atsumi nitta@pha Pharmacy Practice	Research contents • Behavioral pharmacological, molecular biological and cell biological studies to clarify the function of the novel molecules for the psychiatric diseases • Study for the clarification of the mechanisms of establishment of addiction of nicotine, THC and methamphetamine • Clinical studies for the clarification of causes of onset of mental diseases • Development of minimal clinical trial design and data analysis for personalized medicine
and Sciences Professor TAGUCHI Masato taguchi@pha	 Optimization of dosing regimen based on considerations of interindividual variability in developmental change Problem formulation and scientific implementation in practice to address therapeutically relevant issues
Clinical Pharmaceutics Professor KATO Atsushi kato@med	 Drug seed discovery research and evaluation of drugs targeting diabetes, allergic disorders, and other illnesses centered on glycomimetic alkaloids and herbal medicine-derived compounds Biochemical research concerning glucolipid metabolic disorders focused on the properties of glycoproteins, glycohydrolases, and glycosyltransferases
Pharmaceutical Technology Professor ONUKI Yoshinori onuki@pha	Development of optimization techniques for designing pharmaceutical formulations and manufacturing processes Studies on pharmaceutical characteristics using time domain NMR
Molecular Genetics Professor TABUCHI Yoshiaki ytabu@cts	 Mechanical control of cell differentiation Elucidation of molecular mechanism of cellular stress response Reconstruction of tissue functions by immortalized cells
Natural Products & Drug Discovery Professor MORITA Hiroyuki hmorita@inm	 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 metabolomics biomarkers associated with cancer cells by utilizing FT-NMR and MS strategy

Educational area	
Responsible teacher	Research contents
Contact address	
Neuromedical	Elucidation of the molecular mechanism of restoring the neuronal network, and crosstalk
Science	between the central nervous system and peripheral organs to activate neural function.
Professor	Traditional medicine research for developing fundamental therapeutic drugs for Alzheimer's
TOHDA Chihiro	disease, spinal cord injury, cervical spondylosis myelopathy, glaucoma, and sarcopenia.
chihiro@inm	Clinical study aiming to develop new botanical drugs and new usage of Kampo formulas.
cilinio@iiiii	Clinical study to analyze factors affecting physical and mental health and to identify
	biomarkers of wellbeing.
	Consilienceology for Wakan-yaku 1) Diagnosis for functional mental diseases based on the
	Wakan-yaku response, and clarification of molecular mechanisms for the diseases
	2) Development of novel Wakan-yaku prescriptions to prevent lethal recurrence of heart
	failure
Host Defences	Study of NK cell biology and its roles in immunity
Professor	Role of innate immune responses in cancer progression
HAYAKAWA	Immunological study of inflammatory & allergic diseases
Yoshihiro	Modulation of immune responses and immunological diseases by Kampo medicines
haya@inm	Study to regulate cancer progression & metastasis
naya@mm	Elucidation of novel actions of kampo medicines and food factors on the basis of modulation
	of intraluminal bile acid metabolism in gastrointestinal tract
	-
Complex Biosystem	Functional analysis of transcription factors that regulate glucose and lipid metabolism
Research	Study for nutrient metabolism regulation by cell-cell and tissue-tissue interaction
Professor	Study for the molecular mechanism of improvement of lifestyle-related diseases by Wakan-
NAKAGAWA Yoshimi	yaku
ynaka@inm	Study for the mechanism of lifestyle-related diseases caused by sleep disorders
	Establishment of information science analysis using integrated omics analysis
Presymptomatic	Understanding of the fluctuation of biometric information and its medical applications.
Disease	Development of the glutaminase inhibitor and its medical applications.
Professor	Elucidation of the function of immunostimulatory nanoparticles and nucleotide degradant
KOIZUMI Keiichi	discovered by traditional Japanese medicine (Kampo formula) and their medical applications.
kkoizumi@inm	Elucidation of the pathological mechanism and the search for new seeds of medicine for
	medical applications in enteric immune diseases.
Kampo Diagnostics	Pharmacological effects of Kampo medicines and their herbal components, as well as their
Professor	mechanisms of action
SHIBAHARA	Search for indicators of clinical pathology of Kampo medicine and "sho"
Naotoshi	panisto de camba panisto de la campo medicine di de concentratione de camba de concentratione de camba de concentratione de camba
shiba1@inm	

[•] 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