

**This document is a translation of the authoritative Japanese version**

**Guidelines for Applicants to the 2013 Doctoral Program**

**Department of Pharmaceutical Sciences**

**Graduate School of Pharmaceutical Sciences**

**The University of Tokyo**

**Guidelines for Applicants to the 2013 Doctoral Program**  
**Department of Pharmaceutical Sciences**  
**Graduate School of Pharmaceutical Sciences, the University of Tokyo**

Educational and Research Objectives :

Pharmaceutical Sciences is an academic field that covers the development and application of pharmaceuticals. The field encompasses fundamental, life-related substances and their interactions with life. The mission of the Graduate School of Pharmaceutical Sciences at the University of Tokyo is to achieve the highest standard in academic research as well as to train and educate future leaders who will contribute to the development of pharmaceutical sciences and basic life sciences, governmental policies on medical and pharmaceutical affairs, and also contribute to our society as pharmacists capable of highly advanced medical treatment.

Qualities Expected of Students :

- A person with profound expertise capable of thinking in a pharmaceutical sciences-oriented way and possessing logical/leading-edge methodologies and analytical abilities.
- A person who aims to use their advanced knowledge and research capabilities as a springboard toward becoming leaders in various spheres of basic and applied sciences covered by pharmaceutical sciences and toward becoming internationally active in the future.

#### 1. Eligibility Requirements

- (1) Those who expect to receive a Master's degree from the Graduate School of Pharmaceutical Sciences at the University of Tokyo by March 31st, 2013.
- (2) Those who expect to receive a Master's or a professional degree from another graduate school at the University of Tokyo by March 31st, 2013.
- (3) Those who have received a Master's or a professional degree from the University of Tokyo.
- (4) Those who have received or expect to receive a Master's or a professional degree from a university other than the University of Tokyo by March 31st, 2013.
- (5) Those who have received or expect to receive a Master's degree by March 31st, 2013, in accordance with Article 104, Paragraph 4, of the School Education Law. \*<sup>1</sup>
- (6) Those who have received or expect to receive a degree equivalent to a Master's or a professional degree in a foreign country by March 31st, 2013.
- (7) Those who have received or expect to receive a degree equivalent to a Master's or a professional degree through correspondence courses provided in Japan by a school of a foreign country by March 31st, 2013.
- (8) Those who have received or expect to receive a degree equivalent to a Master's or a professional degree by completing a program at an educational institution in Japan designated by the Minister of Education, Culture, Sport, Science and Technology in separate regulations and that provides

courses of a foreign graduate school within the school education system of the said foreign country by March 31st, 2013.

- (9) Those who have completed a program of the United Nations University, which was established on the basis of the resolution by United Nations General Assembly held on December 11, 1972 provided by Article 1, Paragraph 2 of the act concerning the execution of the agreement between Japan and the United Nations regarding the United Nations University Headquarters (Act No. 72, 1976), and who have received or expect to receive a degree equivalent to a Master's degree by March 31st, 2013.
- (10) Those who have graduated from a university and have engaged in research at a university, research institute, or other institution in Japan or abroad for at least 2 years or expect to have engaged in research for at least 2 years by March 31st, 2013. Such applicants must be recognized by this graduate school, through individual entrance qualification screening, as having abilities equivalent to a holder of a Master's degree or a professional degree.\*<sup>2</sup>
- (11) Those who have engaged in research at a university, research institute, or other institution in Japan or abroad for at least 2 years or expect to have engaged in research for at least 2 years by March 31st, 2013, after completing 16 years of school education in a foreign country, or after completing an equivalent of 16 years of the school education of the said foreign country through correspondence courses provided in Japan. Such applicants must be recognized by this graduate school, through individual entrance qualification screening, as having abilities equivalent to a holder of a Master's degree or a professional degree.\*<sup>2</sup>
- (12) Those who are recognized by this graduate school, through individual entrance qualification screening, as having abilities equivalent to a holder of a Master's degree or a professional degree and who are at least 24 years old by March 31st, 2013.\*<sup>3</sup>

\*1 Refers to those who have received a Master's degree or expect to receive a Master's degree from the National Institute for Academic Degrees (NIAD) or National Institution for Academic Degrees and University Evaluation (NIAD-UE).

\*2 (a) Those who intend to apply under requirement (10) or (11) above must submit documents a) to f) to the Administration Office of this graduate school (7.(14)) by Thursday, June 7th, 2012, so that they can undergo individual entrance qualification screening before application submission. Please inquire in advance about eligibility for application and so on.

a) Curriculum vitae

b) A report on research achievements

c) A certified transcript of their Bachelor's degree and an academic transcript issued by the university the applicant was affiliated with.

d) A recommendation letter from the president of the university, the dean of the graduate school, the head of the department of the university, or the supervisor

e) A document which certifies that the applicant has engaged in research at a

university, research institute, or other institution in Japan or abroad for at least 2 years or expect to have engaged in research for at least 2 years by March 31st, 2013.

- f) Return envelope: The enclosed return envelope must be addressed to the applicant.
    - a. For domestic mailing: Place 360 yen worth of postage on the return envelope designated for the pass/fail notification of the qualification screening.
    - b. For international mailing: Enclose international reply coupons for EMS use along with the return envelope for the pass/fail notification of the qualification screening.
  - (b) Those who pass the qualification screening before submitting an application will be recognized as having academic qualifications equal to those of a person who has completed a Master's program or a professional degree and will be permitted to submit applications and take the entrance examination.
- \*3 (a) Those who intend to apply under requirement (12) must not qualify under requirements (1) to (11). Such applicants must be recognized by this graduate school, through individual entrance qualification screening, as having abilities equivalent to a holder of a Master's degree or a professional degree.
- (b) Those who intend to apply under requirement (12) must submit the documents designated to the Administration Office of this graduate school (7.(14)) by Thursday, June 7th, 2012, to undergo individual entrance qualification screening before application submission. Please inquire in advance about eligibility for application and documents to be submitted.
  - (c) Those who pass the qualification screening before submitting an application will be recognized as having academic qualifications equal to those of a person who has completed a Master's program or a professional degree and will be permitted to submit applications and take the entrance examination.

## 2. Screening Method

- (1) Applicants will be screened based on written and oral examinations, a Master's thesis or its equivalent, and school transcripts.
- (2) Those who intend to apply under requirements other than Section 1.(1) should contact the Administration Office of this graduate school in advance for screening information.
- (3) Applicants without Japanese citizenship who have not graduated from a Japanese university will be screened under Special-Selection as Foreign Students.
- (4) Applicants who intend to continue employment during the period of enrollment will be screened under Special-Selection as Employed Students.

### 3. Expected Capacity and Written Examination Subjects

Department	Expected capacity	Written examination subjects		
		Foreign languages	Special subjects	Short thesis
Pharmaceutical Sciences	50 students (including a small number of Special-Selection Employed Students) plus a small number of Special-Selection Foreign Students	English (TOEFL-ITP®)*	Any 2 of 13 questions from the following 8 fields: Organic chemistry (3 questions), Biological chemistry (3 questions), Physical chemistry (2 questions), Pharmacology (1 question), Pharmaceutics (1 question), Analytical chemistry (1 question), Social Pharmacy (1 question), Clinical Pharmacy (1 question)	Choose 1 of 5 topics

\*(Note) TOEFL-ITP® (Institutional Testing Program) is designed for academic purposes to evaluate applicants' English proficiency. Applicants are required to take TOEFL-ITP® (LEVEL1) conducted by the Graduate School of Pharmaceutical Sciences as a part of the entrance examination. TOEFL-ITP® consists of the following 3 sections: Listening Comprehension, Structure and Written Expression, and Reading Comprehension.

- (1) The oral examination will cover special subjects, the applicant's past research results, the applicant's reasons for applying, and the research plan.
- (2) This doctoral program offers a course in which all credits can be received through English instruction (the English course). Regardless of the screening method, a student who intends to apply for the English course can request this course in the prescribed column in the application form. However, the various admissions tests must be answered entirely in English.
- (3) Depending on the examination results, the number of students admitted may be less than the expected capacity.

#### 4. Examination Dates and Locations

- (1) The examination dates and locations for those who intend to apply under the requirements of Section 1.(1) are determined by the Graduate School of Pharmaceutical Sciences.
- (2) The examination dates and locations for October 2012 applicants and all other applicants other than those applying under the requirements of Section 1.(1) are indicated below. Note that October 2012 applicants must receive a Master's degree or professional degree by the end of September 2012.
  - (a) Written examination: Tuesday, August 21st, 2012  
Announcement of applicants who are qualified for oral examination: Monday, September 3rd, 2012
  - (b) Oral examination: Monday, September 10th, 2012  
Only those who qualify shall be given the oral examination.  
Result announcement: Wednesday, September 12th, 2012
  - (c) Thesis review: Mid-February, 2013  
Only theses by applicants passing the oral examination shall be reviewed.
- (3) Applicants will be notified directly of examination schedules and locations, as well as the dates and times for the thesis review.
- (4) Applicants will be notified directly of both written and oral examination results.

#### 5. Notice of Results and Admission Procedures

- (1) The examinee numbers of passing applicants (provisionally accepted for admission) will be posted on a bulletin board at the entrance of the main building of this graduate school around 4:00 p.m. on Friday, March 8th, 2013.
- (2) Individual pass/fail results will be mailed to each applicant on Friday, March 8th, 2013.
- (3) October 2012 applicants will receive separate notification for admission and admission procedures.
- (4) To secure admission, successful applicants must complete all admission procedures (submit all essential documents and fees for admission) by the specified deadline. Applicants who fail to meet the deadline will be deemed to have withdrawn from admission.
- (5) Admission fees (tentative fees for the 2013 academic year)  
[International students on scholarships from the Japanese government (Ministry of Education, Culture, Sports, Science and Technology) are not required to pay these fees.]
  - (a) Entrance fee: 282,000 yen (tentative fee)
  - (b) Tuition fee: First term: 260,400 yen (annual 520,800 yen; tentative fee)Note: The amounts indicated above are tentative and may be subject to change. Revised fee rates apply to all enrolling applicants and registered students.

#### 6. Application Procedures

- (1) Applications must be sent by postal mail. All application documents must be enclosed in the

designated envelope (provided with these guidelines) and sent by registered mail.

(2) Application period

Only applications postmarked between Thursday, June 28th, 2012 and Thursday, July 5th, 2012 will be accepted.

(3) Applications should be sent to:

Administration Office  
Graduate School of Pharmaceutical Sciences  
The University of Tokyo  
7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan

(4) Required documents

(a) Application form for admission: Applicants must use the form specified by this graduate school.

(b) Synopsis of past research results, reasons for applying, and research plan

Applicants must use the form specified by this graduate school. The form is downloadable from the university website ([http://www.f.u-tokyo.ac.jp/~kyoumuk/ent\\_exam/index.htm](http://www.f.u-tokyo.ac.jp/~kyoumuk/ent_exam/index.htm)).

(c) Academic transcript: Academic transcript from a Master's program or a professional degree. This requirement is waived for applicants who have graduated from, or expect to graduate from the Graduate School of Pharmaceutical Sciences at the University of Tokyo.

Foreign students must also submit certified transcripts of their Bachelor's degree.

(d) Photographs: Prepare two identical photographs that were taken within the last three months. Photographs should be upper body face shots of the applicant without any head covering. Photographs must be attached to the designated areas on the application form and examination admission card.

(e) Return envelopes: The enclosed return envelopes must be addressed to the applicant.

a. For domestic mailing: Place 360 yen worth of postage on the return envelope for the examination admission card and 390 yen worth of postage on the envelope designated for the pass/fail notification.

b. For international mailing: Enclose international reply coupons for EMS use along with the designated return envelopes.

(f) Applicants applying under the Special-Selection for Foreign Students must submit a Japanese proficiency level certificate approved by the applicant's instructor or equivalent authority. (For employed applicants, the supervisor or company representative) However, this is unnecessary for applicants who are International Research Students of this graduate school.

(g) October 2012 applicants must submit one of the documents listed below (either a Master's thesis, its equivalent, or a thesis abstract), on Tuesday, August 21st, 2012 (the day of the written examination).

(h) Applicants who pass the oral examination must submit the following by Friday, February 8th, 2013 before 5:00 p.m.

a. Master's thesis or its equivalent: Two copies in Japanese or English. If the thesis is

submitted in a third language, a translation into Japanese or English must be attached.

- b. Thesis abstract: Two copies (3000 words or less in Japanese or English)

(5) Examination fee

- (a) Examination fee: 30,000 yen (must be paid by bank transfer or by credit card)

This fee is waived for the following:

- a. Students expecting to obtain a Master's or professional degree from the University of Tokyo in March 2013.
- b. International students on scholarships from the Japanese government (Ministry of Education, Culture, Sports, Science and Technology)

[Note: Applicants must submit certified documents verifying the international students on scholarships from the Japanese government, unless they are currently enrolled in the Graduate School of Pharmaceutical Sciences at the University of Tokyo.]

- (b) Deadline for fee payment: Same as the application deadline.

- (c) Payment method:

For bank transfers:

After filling in the required items in the attached application for examination fee payment transfer (for bank transfers) in this booklet (see "Requests to Applicants"), you should transfer funds from your nearest financial institution. (This is not permitted from post offices or the Japan Post Bank, also, please note that you should not use ATMs or the Internet to transfer funds. See note.) When making payment via bank deposit transfer, you will receive a transfer payment receipt (form B) and a transfer payment acceptance verification (form C), and you should attach the transfer payment acceptance verification (form C) to the prescribed column on the back of the application for admission. As the transfer payment receipt (form B) is a receipt, you should keep it in a safe place.

In addition, you should note that the applicant has to bear the payment transfer charge when paying the examination fee from a bank other than the bank that the applicant is transferring the money to or one of its branches.

Note: As a transfer payment acceptance verification (form C) is not issued when transfers are made from post offices, Japan Post Bank, ATMs, or the Internet, you should not use any of those methods.

For overseas remittances, see the separate instructions printed on the "Guide for Overseas Remittances of Examination Fees".

For payment by credit card:

Regarding the operating procedure and matters to note when actually making a payment, you should refer to the attached "How to Pay an Examination Fee by Credit Card for the Graduate School of Pharmaceutical Sciences, The University of Tokyo". You should carefully keep the evidence of payment, receipt, etc., required for application.

In addition, you should note that the applicant has to bear the payment charge that is incurred when making a payment.

## 7. Important

- (1) The examination admission card will be sent directly to the applicant by postal mail. If the examination admission card does not arrive by Monday, August 6th, 2012, contact the Administration Office of this graduate school using the contact information listed below (7.(14)).
- (2) After the application process is complete, changes to the documents will not be accepted under any circumstances, and examination fees are non-refundable.
- (3) Applicants with physical disabilities may request reasonable accommodation when taking the examination and attending courses. Requests must be made by contacting the Administration Office of this graduate school (7.(14)) when submitting applications.
- (4) This graduate school may allow admissions in October 2012 in addition to the admissions in April 2013.
- (5) Application procedures, examination dates, and other details may be subject to change under certain circumstances.
- (6) Personal information obtained through the application process, including the applicant's name and address, will only be used for the following: (a) student selection (application processing, screening), (b) announcement of successful applicants, and (c) admission procedures. For students enrolling, personal information will be used for: (a) educational affairs (school registration, attendance record, etc.), (b) student support (health care, career support, exemptions from tuition fees, scholarship applications, use of libraries, etc.), and (c) the collection of tuition fees.
- (7) The examination results used in the selection of entrants may be used in future studies for the improvement of both the entrance examination and the education at the University of Tokyo.
- (8) Foreign applicants must have a visa that allows admission to a graduate school in Japan by the time of admission procedures, as stipulated in the "Immigration Control and Refugee Recognition Act (Law No. 319, 1951)."
- (9) Employed applicants who pass the examinations must resign from their employment or take a leave of absence during the period of enrollment. Applicants accepted under Special-Selection as Employed Students must submit a letter of consent from their company representative (any format is acceptable) to ensure that the applicant will remain dedicated to studies during the period of enrollment. This letter must be submitted at the time of the admission procedures (5.(4)).
- (10) Japanese students who have completed or expect to complete high school and university education abroad can be screened under Special-Selection as Foreign Students. Please contact the Administration Office of this graduate school (7.(14)) in advance.
- (11) Research papers may be submitted for consideration.
- (12) After the admission process is completed, entrance fees are not refundable under any

circumstances.

(13) The university may retroactively cancel the admission of any student who has falsified personal information or the academic records in his or her application documents.

(14) Contact information:

Administration Office

Graduate School of Pharmaceutical Sciences

The University of Tokyo

Phone: +81-(0)3-5841-4704 (available from 9:00 to 17:00)

E-mail: [gakuin1@mol.f.u-tokyo.ac.jp](mailto:gakuin1@mol.f.u-tokyo.ac.jp)

April 2012

Enrollment Application Guidelines for the 2013 Doctoral Program  
(Department of Pharmaceutical Sciences)  
Graduate School of Pharmaceutical Sciences  
The University of Tokyo

1. Applicants must list the top choice of their desired laboratory. When choosing a laboratory with limited capacity of students accepted, (as indicated in the *2013 list of Research Areas of the Faculty of Pharmaceutical Sciences*) applicants must list the second laboratory of choice.

The Pharmaco-Business Innovation Endowed Laboratory will only accept Special-Selection Employed Students.

2. Those applying under Special-Selection as Foreign Students must check mark (✓) the specified area on the application form. However, foreign applicants who have completed a university graduate degree at a Japanese university cannot apply as Special-Selection Foreign Students.

3. Those applying under Special-Selection as Employed Students must check mark (✓) the specified area on the application form.

4. Those applying for the English Course must check mark (✓) the specified area on the application form.

5. Those applying for Dual Speciality Course on Pharmacist Education must check mark (✓) the specified area on the application form. This course is only for graduates of the Department of Pharmaceutical Sciences, the Faculty of Pharmaceutical Sciences, the University of Tokyo.

6. October 2012 Applicants must check mark (✓) the specified area on the application form.

7. The reverse side of the Application Form for Admission must be fully filled out.

8. Regarding “Past Research Results · Reasons for Applying · Research Plan”

(1) “Past research results, Reasons for applying and Research plan” must be submitted in the indicated fixed format.

(2) The fixed format is downloadable from the website. Do not change any settings of the layout when using this form.

① The website URL is: [http://www.f.u-tokyo.ac.jp/~kyoumuk/ent\\_exam/index.htm](http://www.f.u-tokyo.ac.jp/~kyoumuk/ent_exam/index.htm)

- ② Must be printed on one A4 size paper (double-sided print)
  - ③ Use font size 10.5
  - ④ Do not write outside the lines
  - ⑤ When using inserts (schemes, figures, tables, etc), be sure they fit within the format. (Contents must fit within the double-sided print)
- (3) “Past Research Results · Reasons for Applying · Research Plan” submitted in a format other than the one page double-sided print format specified will not be accepted.
9. Applicants who are not expected to complete the Master’s program of the Graduate School of Pharmaceutical Sciences at the University of Tokyo as well as those who are already enrolled in the Graduate School but wish to change laboratories, must arrange an interview with the professor of the laboratory of their desired choice before submitting applications.

FACULTY & FIELDS OF RESEARCH  
GRADUATE SCHOOL OF PHARMACEUTICAL SCIENCES, THE UNIVERSITY OF TOKYO

Department of Pharmaceutical Sciences

Department of Pharmacy

Faculty	Description of Research Field	Expected Capacity			Name of Laboratory
		Department of Pharmaceutical Sciences		Department of Pharmacy	
		Master	Doctor	Doctor	
Graduate School of Pharmaceutical Sciences					
Prof. OHWADA, Tomohiko	Organic Chemistry, Structural Organic Chemistry, Computational Chemistry, Medicinal Chemistry	◎	◎	◎	Organic and Medicinal Chemistry
Prof. INOUE, Masayuki	Organic Chemistry, Natural Product Synthesis, Bioorganic Chemistry	◎	◎	◎	Synthetic Medicinal Chemistry
Prof. KANAI, Motomu	Organic Synthesis, Asymmetric Catalyst, Development of New Reactions	◎	◎	◎	Synthetic Organic Chemistry
Assoc.Prof. MATSUNAGA, Shigeki	Organic Synthesis, Organometallic Chemistry, Asymmetric Catalyst				
					Synthetic Natural Products Chemistry
Prof. ABE, Ikuro	Chemistry, Biological Activity and Biosynthesis of Natural Products	◎	◎	◎	Natural Product Chemistry
Lec. WAKIMOTO, Toshiyuki	Isolation, Structure Elucidation and Structure-Activity relationship of Natural Products				
Prof. UCHIYAMA, Masanobu	Organic Chemistry, Elements Chemistry, Theoretical Chemistry, Physical Organic Chemistry	◎	◎	◎	Advanced Elements Chemistry
Lec. TAKITA, Ryo	Synthetic Organic Chemistry, Reaction Development, Development of Functional Molecules				
Assoc.Prof. HANAOKA, Kenjiro	Chemical Biology, Bio-organic Chemistry, Bioimaging Science	◎	◎	◎	Chemistry and Biology
Assoc.Prof. ORIHARA, Yutaka	Plant Tissue Culture and Production of Useful Compounds in Medicinal Plants, Chemistry of Natural Products (Medicinal Plants, Plant Biotransformation of Exogenous Compounds)	◎	◎	◎	Department of Pharmaceutical Phytochemistry
Institute of Molecular and Cellular Biosciences					
Prof. HASHIMOTO, Yuichi	Medicinal Chemistry of Bio-Response Modifiers, Medicinal Chemistry of Nuclear Receptor Ligands, Chemical Control of Cell Behavior and Gene Expression	◎	◎	◎	Department of Chemical Biology
Assoc.Prof. SUGITA, Kazuyuki	Medicinal Chemistry, Bio-organic Chemistry, Chemical Biology, Organic Synthesis				
Graduate School of Pharmaceutical Sciences					
Visiting Prof. YONAGA, Masahiro	Medicinal Chemistry (Synthesis of biologically active substance and Structure-Activity Relationships)	1		1	Laboratory of Medicinal Science
Prof. FUNATSU, Takashi	Biophysics: Imaging and Manipulation of Single Biomolecules	◎	◎	◎	Bio-Analytical Chemistry
Lec. TSUNODA, Makoto	Bio-analytical Chemistry, Single molecule techniques to investigate the mechanism of molecular motors				
Prof. SHIMADA, Ichio	Structural biology, Structural genomics, Structural proteomics, Receptor-ligand interaction, Structural based drug design, Development of novel NMR experiments	◎	◎	◎	Physical Chemistry
Prof. SHIMIZU, Toshiyuki	Structural biology, protein crystallography	◎	◎	◎	Protein Structural Biology

Faculty	Description of Research Field	Expected Capacity			Name of Laboratory
		Department of Pharmaceutical Sciences		Department of Pharmacy	
		Master	Doctor	Doctor	
Graduate School of Pharmaceutical Sciences					
Prof. ARAI, Hiroyuki	Biology and pathology of biological membranes	◎	◎	◎	Health Chemistry
Assoc.Prof. ARITA, Makoto	(1) Physiological roles of lipid mediators in health and disease (2) Lipid Metabolomics				
Prof. KATADA, Toshiaki	Biochemistry, Physiological Chemistry, Molecular Mechanisms on Cellular Signal Transductions	◎	◎	◎	Physiological Chemistry
Assoc.Prof. KONTANI, Kenji	Cell Biology, Regulation of Cellular Signal Transduction Systems and Membrane Trafficking				
Assoc.Prof. HIGASHI, Nobuaki	Biochemistry, Cell Biology, Immunology	◎	◎	◎	Cancer Biology and Molecular Immunology
Prof. MIURA, Masayuki	Molecular genetics of neural cell death Physiological roles of programmed cell death Neural development	◎	◎	◎	Genetics
Lec. CHIHARA, Takahiro	Neural development, Neural wiring and aging, Molecular genetics				
Prof. ICHIJO, Hidenori	Molecular and Cellular Biology, Stress Signaling	◎	◎	◎	Cell Signaling
Prof. MURATA, Shigeo	Intracellular protein degradation, Biochemistry	◎	◎	◎	Protein Metabolism
Assoc.Prof. YASHIRODA, Hideki	Intracellular protein degradation, Yeast Genetics				
Prof. SEKIMIZU, Kazuhisa	Establishment of disease models using silkworms, and development of basic methods for drug discovery	◎	◎	◎	Microbiology
Assoc.Prof. KAITO, Chikara	Bacteriology, Staphylococcal Virulence, Colony Spreading				
Institute of Medical Science					
Prof. INOUE, Jun-ichiro	(1) Cell proliferation, differentiation, and transformation (2) Signal transduction (3) Immune tolerance (4) Bone metabolism	◎	◎	◎	Department of Biochemistry
Graduate School of Frontier Sciences					
Prof. YAMAMOTO, Kazuo	Cell biology of sugar recognition, Immunology of NK and dendritic cells, Bioimaging	1		1	Molecular Medicine
Graduate School of Medical Science					
Prof. KITA, Kiyoshi	Metabolic Regulation, Membrane Biochemistry, Molecular Parasitology	1		1	Biomedical Chemistry
Institute of Molecular and Cellular Biosciences					
Assoc.Prof. HORIKOSHI, Masami	Analysis of the regulatory mechanism of gene expression centered on structural changes of chromatin and its application to the mechanisms of cell growth, apoptosis, embryogenesis, differentiation and tumorigenesis (Biochemistry, Molecular Biology, Genetics, Structural Biology, Cell Biology, Bioinformatics)	1		1	Developmental Biology

Faculty	Description of Research Field	Expected Capacity			Name of Laboratory
		Department of Pharmaceutical Sciences		Department of Pharmacy	
		Master	Doctor	Doctor	
Radioisotope Center					
Assoc.Prof. AKIMITSU, Nobuyoshi	(1) Analysis of the functions and the regulated degradation of non-coding RNAs in mammalian nucleus. (2) Analysis of the elimination mechanisms of aberrant messenger RNAs in mammalian cells.	1		1	Research Management and Development
Graduate School of Pharmaceutical Sciences					
Assoc.Prof KUSUHARA, Hiroyuki	Pharmacokinetics, Functional analysis and pharmacogenomics of drug transporters, Kinetic analysis of the drug interactions, Drug delivery to the brain	◎	◎	◎	Molecular Pharmacokinetics
Prof. MATSUKI, Norio	Neuropharmacology, Mesoscopic Analysis of Learning and Memory, Correlation of Stress and Depression	◎	◎	◎	Chemical Pharmacology
Assoc.Prof. IKEGAYA, Yuji	Systems Pharmacology, Neurocircuitology, Gliophysiology				
Prof. IWATSUBO, Takeshi	Neuropathology (Alzheimer's Disease and Parkinson's Disease), Clinical Neurology	◎	◎	◎	Neuropathology and Neuroscience
Assoc.Prof. TOMITA, Taisuke	Molecular pathobiochemistry of Alzheimer's disease, Drug discovery for modulation of protease activity and synaptic plasticity				
Assoc.Prof. SANTA, Tomofumi	Analytical chemistry for bio-molecules, Chromatography, Fluorometry, Mass spectrometry	◎	◎	◎	Clinical and Pharmaceutical Analysis
Faculty of Medicine University Hospital (Department of Pharmacy & Clinical Research Support Center)					
Prof. SUZUKI, Hiroshi	Clinical system pharmacology and toxicology				Department of Clinical Pharmacokinetics
Assoc.Prof. ITO, Kousei	Clinical Pharmaceutical Science, Pharmacology and Toxicology	◎	◎	◎	
Project Assoc.Prof. HISAKA, Akihiro	Clinical Pharmacokinetics and Pharmacodynamics, Clinical Drug Development				
Assoc.Prof. ARAKAWA, Yoshihiro	Clinical Pharmacy, Neuroscience (Neurotrophic Factors, Neurodegenerative Diseases), Protocol development for clinical trials	1		1	Clinical Research Support Center
Graduate School of Pharmaceutical Sciences					
Project Prof. SAWADA, Yasufumi	Drug Lifetime Management, Drug Informatics, Clinical Biopharmaceutics				Drug Informatics
Project Assoc. Prof. HORI, Satoko	Clinical Pharmacokinetics, Drug Informatics, Risk communication studies of drugs / health foods	2		2	
Project Lec. MIKI, Akiko	Drug Lifetime Management, Drug Informatics				
Assoc.Prof. ONO, Shunsuke	Pharmaceutical regulation, Pharmaceutical Research and Development, Health economics	2		3	Pharmaceutical Regulatory Science
Project Prof. TSUTANI, Kiichiro	Pharmacoeconomics, Clinical Pharmacology, Pharmacoepidemiology, International health	2		2	Drug Policy and Management
Project Prof. KIMURA, Hiromichi	Business management, industry studies and university-corporaterelations in medical and life science fields	/		Special-Selection Employed Students 2	Pharmaco-Business Innovation
Project Lec. MASUDA, Sachiko	Industry studies, regulations and intellectual property management in medical and life science fields				

Laboratories marked with ◎ will accept all applicants who pass entrance examinations as a general rule.

As of April, 2012