

**APPLICATION PROCEDURES  
FOR THE AUTUMN ADMISSION OF  
INTERNATIONAL STUDENTS  
TO FUJITA HEALTH UNIVERSITY**

**DOCTORAL COURSE  
(AUTUMN ADMISSION 2024)**

**FUJITA HEALTH UNIVERSITY  
GRADUATE SCHOOL OF MEDICAL SCIENCES**

1-98 Dengakugakubo, Kutsukake-cho, Toyoake, Aichi 470-1192, Japan  
TEL: +81-(0)562-93-2504    Email: [hs-jimk2@fujita-hu.ac.jp](mailto:hs-jimk2@fujita-hu.ac.jp)    FAX: +81-(0)562-93-4593

## 1 Department Program

The Graduate School of Medical Sciences provides opportunities for study in three fields: Clinical Laboratory Sciences, Radiological Sciences and Biomedical Engineering. Prior to application, the applicants should contact professors at the desired departments / laboratories.

Field	Departments
Clinical Laboratory Sciences	Clinical Laboratory Sciences
Radiological Sciences	Radiological Sciences
Biomedical Engineering	Biomedical Engineering

- For the convenience of working students (currently employed in hospitals, research or educational facilities, companies, etc.), we offer day and evening classes. Special consideration for credit acquisition includes evening classes (18:00–21:10), Saturdays, and summer sessions.
- Working student applicants must first obtain the consent of their work supervisor to join this course. For more information on course completion, carefully consult with and follow the professor's instructions.
- Some fields may require a Japanese medical professions license.

## 2 Online Application Website

The provided URL enables you to review application procedures, download mandatory document templates, and create your “MyPage.”

**<https://exam.fujita-hu.ac.jp/gswe24eg/top.html>**

- Please write down or print out your “MyPage” login information (user ID and password). This login information will be required every time you need to access “MyPage.”

## 3 Application Qualifications

Individuals who do not hold Japanese citizenship and meet any of the criteria listed below by September of the application year:

- (1) The applicant must have a master's or professional degree in Japan or be a candidate for graduation with a master's or professional degree in Japan.
- (2) The applicant must have a master's or professional degree with earned credits from a foreign correspondence course or be a candidate for graduation with a master's or professional degree in the same manner.
- (3) The applicant must have a master's or professional degree from a foreign educational institution with a graduate degree specified by the Minister of Education, Culture, Sports, Science and Technology in Japan, and be a candidate for graduation with a master's or

professional degree from the institution.

(4) Individuals who demonstrate abilities comparable to or higher than those in (1) - (3).

#### **4 Preliminary Screening**

**Applicants intending to apply to our Graduate School based on qualification (2), (3) or (4) are subject to preliminary screening.** After contacting professors in the desired departments or laboratories, please submit the required documents via both email and postal mail within the application period. The designated form (A4 size) was downloaded from the application website.

#### Application and Result Notification Periods for Preliminary Screening

Application Start	Application Deadline	Result Notification
January 15, 2024	January 19, 2024	January 26, 2024

#### Mandatory Documents

[1] Request for preliminary screening (designated form, A4 size)	1 form
[2] Curriculum vitae (designated form, A4 size)	1 form
[3] Certificate or provisional certificate of degree or diploma* <sup>1</sup>	1 form
[4] Academic transcript* <sup>2</sup>	1 form
[5] Copy of the qualifications and licenses referred to in the work history	1 copy
[6] Report of Research Achievements (designated form, A4 size)* <sup>3</sup>	1 form
[7] Certificate of Research Career (designated form, A4 size)	1 form
[8] Representative papers (photocopies acceptable)* <sup>3</sup>	1 copy

\*<sup>1</sup>, \*<sup>2</sup> must have been issued between April of the preceding year and January of the current application year (within 9 months).

\*<sup>3</sup> Not required if there are no research achievements.

- Applicants whose current names do not match those on the certificate of graduation or any other documents are required to submit an official certification of the name change.
- If the certificates are not in English or Japanese, applicants must submit both originals and translations by an accredited translator.
- If [3] or [4] cannot be issued due to the expiration of the document retention period or other reasons, please submit a "Letter of Reason for Not Being Able to Issue a Certificate" prepared by the applicant's former school (any format is acceptable).
- The documents must arrive by the deadline.

#### Address for Document Submission

Submit the documents by email, post, or in person to:

#### **Fujita Health University, Graduate School of Medical Sciences Affairs Office**

Fujita Health University Building 2, 3rd Floor

1-98 Dengakugakubo, Kutsukake-cho, Toyoake, Aichi 470-1192, Japan

TEL: +81-562-93-2504, Office Hours: 9:00–16:00 (weekdays)

E-mail: [hs-jimk2@fujita-hu.ac.jp](mailto:hs-jimk2@fujita-hu.ac.jp) (cc: professor you would like to have as your supervisor)

### Announcement of Preliminary Screening Result

Applicants receive the screening results via e-mail. Successful applicants are then required to submit the documents listed under “Mandatory Documents” in the “Application Procedure” section.

## **5 Application Procedure**

Applicants must complete the online registration process, submit application documents (by e-mail and the original by post or in person), and pay the examination fee.

### Application Period and Examination Date

Application and Payment Start	Application and Payment Deadline	Examination Date	Examination Result Notification
January 29, 2024	February 9, 2024	February 19, 2024	3 pm, February 26 to Noon, February 28, 2024

Payment period: January 29, 2024–4:59 PM (JST), February 9, 2024.

### Registration via the Online Application Website

Access the registration page and follow the instructions to complete online registration.

- Please carefully review the input information before finalizing the registration. Please contact the Graduate School Affairs Office for requests to change the information after completing the online registration process.

### Mandatory Documents

- |  |               |
|--|---------------|
| [1] Application confirmation card (Printed from "MyPage")                                  | 1 form        |
| [2] Curriculum vitae (designated form, A4 size)  | 1 form        |
| [3] Certificate or provisional certificate of degree or diploma* <sup>1</sup>              | 1 form        |
| [4] Academic transcript* <sup>2</sup>  | 1 form        |
| [5] Statement of purpose (designated form, A4 size)  | 1 form        |
| [6] Research planning (designated form, A4 size)   | 1 form        |
| [7] Recommendation letter (free form)  | from 1 person |
| [8] Passport copy  | 1 copy        |
| [9] Photocopy of the wire transfer record (certificate of remittance)                      | 1 copy        |
| [10] Pre-screening sheet for accepting foreigners (designated form, A4 size)* <sup>3</sup> | 1 copy        |

\*<sup>1</sup>, \*<sup>2</sup> must have been issued between April of the preceding year and January of the current application year (within 9 months).

\*<sup>3</sup> International Students, etc.: Under the rules of the FHU security export control, the supervisor and the applicant will prepare, and the supervisor submit.

### Additional Documents

- |  |        |
|--|--------|
| [11] Report of research progress (designated form, A4 size)<br>For applicants who are candidates for a master’s degree | 1 form |
| [12] Master’s thesis and abstract (copies)<br>For applicants with master’s degrees                                     | 1 copy |

- [13] Copy of e-mail notification of the preliminary screening results  
 For applicants subject to preliminary screening 1 copy
- [14] Document granting permission from the current workplace  
 For working students (designated form, A4 size) 1 form
- Applicant whose current name does not match that on the certificate of graduation or any other documents is required to submit an official certification of the name change.
  - If the certificates are not in English or Japanese, applicants must submit both the originals and translations by an accredited translator.
  - Applicants who need special arrangements for physical disabilities must inform us when applying.
  - After the application forms are submitted, they are not allowed to change. The examination fees will not be returned for any reason.
  - If any information in the application documents is found to be false, admission and/or enrollment may be revoked at any time.

### Examination Fee

The applicants should use a bank allowing foreign remittance (bank wire transfer) and transfer an examination fee of 20,000 JPY into the following bank account:

- Please do not send US dollars or any other currencies. If you make payments in currencies other than JPY, your application will not be accepted.
- Please note that you will bear all service charges/commissions for bank transfers. There may also be other bank transfer fees for correspondent banks (routing banks). Please confirm these fees when you make the transfer.
- Please ensure that you indicate to the remitting bank that you will bear all service charges/commission fees.
- In the message column, write the name of the applicants in clear lettering.
- Please make sure to submit a copy of the certificate of remittance (receipt) issued by the bank, along with other application documents.

Bank Name	Sumitomo Mitsui Banking Corporation
Branch Name	Nagoya-Ekimae Branch
Bank Address	1-2-5 Meieki, Nakamura-ku Nagoya, Aichi, Japan. Postal Code: 450-0002
Bank Telephone Number	+81-52-541-2371
SWIFT code	SMBCJPJT
Bank Account Number	402-626775
Bank Account • Address	FUJITA-GAKUEN 1-98 Dengakugakubo, Kutsukake-cho, Toyoake, Aichi, Japan Postal Code: 470-1192
Telephone	+81-562-93-2000
Examination fee	20,000 JPY (+ all service charges/commission fees)
Method of payment	Advise & Pay

### Address for Document Submission

Submit the documents by email, post, or in person to:

**Fujita Health University, Graduate School of Medical Sciences Affairs  
Office**

Fujita Health University Building 2, 3rd Floor

1-98 Dengakugakubo, Kutsukake-cho, Toyoake, Aichi 470-1192, Japan

TEL: +81-562-93-2504, Office Hours: 9:00–16:00 (weekdays)

E-mail: [hs-jimk2@fujita-hu.ac.jp](mailto:hs-jimk2@fujita-hu.ac.jp) (cc: professor you would like to have as your supervisor)

- When submitting documents by post, be sure to use registered mail or an equivalent postal method. Documents that arrive after the deadline will not be accepted.

## **6 Examination (online)**

### Place and Time of Examination

The examination will be conducted online. Please ensure a stable internet connection. The start time and access details will be communicated individually.

### Examination Contents and Methods

The examination will consist of a document review and an oral component. Applicants will present their research plans and respond to the examiners' questions. Additionally, applicants will have the opportunity to share presentation materials with the examiners.

### Announcement of Examination Result

The examination results will be announced on the website. Successful applicants should contact professors of desired departments/laboratories directly but should not contact Graduate Student Affairs.

## **7 Enrollment Procedures and School Fees**

Each successful applicant will receive enrollment guidance with their notification of acceptance via email. Please follow the directions of the guidance. The enrollment and tuition fees are as follows:

Enrollment Fee	150,000 JPY
Tuition Fee	750,000 JPY
Total	900,000 JPY

### Payment Schedule

The enrollment fee (150,000 JPY), half the tuition Fee(300,000 JPY), and the remaining tuition fee (450,000 JPY) must be paid according to the following schedule.

Fee	Payment Deadline
Enrollment Fee (150,000 JPY) Half of the Tuition (300,000 JPY)	March 4, 2024
Half of the Tuition (450,000 JPY)	August 30, 2024

- The fees will not be refunded for any reason. However, if the applicant submits a notice of withdrawal from enrollment (optional format) that arrives by 17:00 on August 30, 2024 and requests a refund for the payment of the school fee, it will be refunded, excluding the enrollment fee.

### Tuition Reduction System (Doctoral Program)

We have established a system to reduce the tuition for students who are devoting themselves to their own training or research under their supervisor and who haven't signed a full-time employment contract. Upon the approval of your application, the annual tuition fee of 750,000 JPY will be reduced to 300,000 JPY, which is a reduction of 450,000 JPY.

### Fujita Academy Grant

The Fujita Academy Grant is provided to prospective international students facing financial challenges that are hindering their studies at Fujita Health University. Recipients, who show exceptional motivation, are not required to repay the grant. Interested students should contact their accepting supervisors to apply for the grant.

For more details, please check the website.

<https://www.fujita-hu.ac.jp/en/faculty/scholarship/kka9ar00000025i5.html>

### Global Education and Research Grant

Through the 2024 "Global Education and Research Grant" from Fujita Health University, instructors accepting international graduate students hire them as research assistants for international projects. The grant provides 50,000 JPY per person per month with an annual acceptance quota of four students. Interested students should contact their accepting supervisor to apply for the grant.

For more details, please check the website.

<https://www.fujita-hu.ac.jp/~intl/forfhumembers/jyoseikin/index.html>

### Japanese Government Scholarship

The Japanese government offers the MEXT Scholarship for Embassy Recommendation and University Recommendation. International students who wish to apply for the scholarship should refer to the application guidelines on the MEXT website for more details.

<https://www.mext.go.jp/en/policy/education/highered/title02/detail02/sdetail02/1373897.htm>

### Chinese Scholarship Council (CSC) - FHU Joint Scholarship

Fujita Health University invites students from China who wish to enroll for the doctoral degree program to apply under the China State-Sponsored Postgraduate Study Abroad Program.

Please refer to the website for further details.

<https://www.fujita-hu.ac.jp/~intl/forfhumembers/jyoseikin/index.html>

#### **8 Declaration Regarding the ‘Handling of Personal Information’**

- The university will take all necessary measures for the proper handling and safe management of all personal information in accordance with the Act on the Protection of Personal Information.
- Personal information submitted at the time of application will be used only for procedures related to the admission process.
- Personal information submitted will not be disclosed or submitted to any third party without the applicant’s consent except in cases where disclosure is required by law.

#### **9 Contact Information for Application**

##### **Fujita Health University, Graduate School of Medical Sciences Affairs Office**

Fujita Health University Building 2, 3rd Floor  
1-98 Dengakugakubo, Kutsukake-cho, Toyoake, Aichi 470-1192, Japan

TEL: +81-562-93-2504, FAX : +81-562-93-4593

E-mail: [hs-jimk2@fujita-hu.ac.jp](mailto:hs-jimk2@fujita-hu.ac.jp)



# List of Major Subjects and Academic Advisors for 2024 Academic Year

\*The major subjects and academic advisors may change as needed.

## 1) Department of Clinical Laboratory Sciences

Course Title	Course Aims and Research Subject
Graduate Thesis of Clinical Laboratory Sciences  ICHINO Naohiro TAKEMATSU Hiromu NARUSE Hiroyuki IHIRA Masaru SUZUKI Koji MOURI Akihiro YAMAMOTO Yasuko	<p>Highly specialized knowledge can be acquired by conducting research activities on research themes.            You will develop the ability to promote a series of research activities, such as setting research themes, drafting research plans, analyzing experiments, and writing dissertations.</p> <p><b><i>ICHINO Naohiro</i></b>            Current ultrasonography has made it possible to measure tissue stiffness. We will provide research for the early detection and diagnosis of diseases by applying this technology. Specifically, research guidance will be provided on the following topics.            1. A novel scoring system for non-invasive and differential diagnosis of NAFLD/NASH.            2. Development of biomarkers for pre-arteriosclerosis diagnosis to preemptive medicine.</p> <p><b><i>TAKEMATSU Hiromu</i></b>            How to conduct research activity in the laboratory will be the starting point for development of researchers. Therefore, candidate students will be trained to acquire research skills.            Following are projected studies students would be involved, aiming to understand still elusive functions of cellular glycans and lipids            1. Glycan-mediated signal modification downstream of B cell antigen receptor to produce antibody            2. CRISPR gene-editing screening for genetic understanding of cellular factors required for giant cell formation through endomitosis            3. Glycan/Lipid functional analyses utilizing genetically modified model organisms/cells</p> <p><b><i>NARUSE Hiroyuki</i></b>            Comprehensively analyze clinical data of various cardiovascular diseases and clarify the pathophysiology of the diseases.            1. Identification of high-risk plaques in patients with coronary artery disease            2. Efficacy of the COVID-19 vaccine in patients with cardiovascular disease</p> <p><b><i>SUZUKI Koji</i></b>            Through molecular epidemiological study using high-performance liquid chromatography and molecular biology techniques, we will contribute to elucidating the mechanism of lifestyle related diseases and aim to establish disease prevention from a new perspective.            1. Molecular epidemiological study on prevention of lifestyle-related diseases            2. Large-scale cohort study of cancer risk factors</p> <p><b><i>MOURI Akihiro</i></b>            Neuropsychiatric disorders such as Alzheimer's disease, Parkinson's disease, depression, schizophrenia, and autism are the targets of research and investigated using patients' blood and other clinical samples. We translate epidemiological and genetic findings in humans to mice and create mouse models of neuropsychiatric disorders to explore pathophysiology and pathogenesis using behavioral, pharmacological and neurochemical techniques. Based on the these studies, we try to develop new therapeutics, functional foods, and diagnostic biomarkers and conduct translational research to contribute healthy society and development of medicine.            1. Elucidating the pathophysiology of neuropsychiatric disorders using clinical samples and animal models            2. Developing pharmaceuticals and functional foods by basic research using animal models of neuropsychiatric diseases            3. Searching for biomarkers and developing diagnostic drugs for neuropsychiatric diseases</p>

Course Title	Course Aims and Research Subject
<p>Graduate Thesis of Clinical Laboratory Sciences</p> <p>ICHINO Naohiro TAKEMATSU Hiromu NARUSE Hiroyuki HIRA Masaru SUZUKI Koji MOURI Akihiro YAMAMOTO Yasuko</p>	<p><b><i>YAMAMOTO Yasuko</i></b></p> <p>We performed proteomic and metabolomic analyses using chronological database samples, including a group of patients at an increased risk of developing diseases, to develop diagnostic markers that allow the achievement of preemptive medicine.</p> <ol style="list-style-type: none"> <li>1. Molecular analysis of biological functions using molecular biological methods</li> <li>2. Metabolomic analysis of amino acid metabolism alterations</li> <li>3. Behavioral analysis in animal models - Focusing on alterations in tryptophan metabolism</li> </ol>

## 2) Department of Radiological Sciences

Course Title	Course Aims and Research Subject
Graduate Thesis of Radiological Sciences  KOBAYASHI Shigeki ASADA Yasuki TAKATSU Yasuo	<p>In this course, we conduct extensive research essential for the development of researchers and educators with knowledge of cutting-edge radiological science and technology.</p> <p>We analyze and understand the functions and structure of the human body using biometric information obtained from medical images, and practice and provide guidance on cutting-edge radiation medicine application research with a focus on research themes related to diagnostic imaging based on morphology and functional information. We provide paper guidance that can transmit information to society by presenting them in academic societies and academic journals in radiological sciences.</p> <p><b><i>KOBAYASHI Shigeki</i></b></p> <p>To understand the principles of photon-counting X-ray measurement and how to utilize energy information. We conduct a basic study on the imaging image and material identification function using a photon counting type X-ray detector and conduct research on the development of next-generation mammography for clinical use. For imaging modalities such as CT, MRI, and RI, we also conduct research on clinically useful software development using artificial intelligence (A.I).</p> <p><b><i>ASADA Yasuki</i></b></p> <p>The aim is to study on radiation exposure of the diagnostic X-ray which the medical staff included, to write a doctoral thesis. In that, to learn the choice of the study theme, the review of previous studies, planning of the study plan, experiment, and discussion in a series of process of writing paper. In addition, through the writing of the doctoral thesis, to learn the conscience of the scientist, the attitude toward study, an original idea, the way of the study. The theme is gathered to following three.</p> <ol style="list-style-type: none"> <li>1. Study on evaluation of the patient doses for diagnostic X-ray examinations</li> <li>2. Study on measurement of the patient doses for diagnostic X-ray examinations</li> <li>3. Study on occupational radiation exposure of the medical staff</li> </ol> <p><b><i>TAKATSU Yasuo</i></b></p> <ol style="list-style-type: none"> <li>1. Pathological analysis using MR images</li> <li>2. Quantitative evaluation of physical phenomena in MRI</li> </ol>

### 3) Department of Biomedical Engineering

Course Title	Course Aims and Research Subject
Graduate Thesis of Biomedical Engineering  IHIRA Masaru ITO Hiroyasu MIURA Yasuo FUJIGAKI Hidetsugu UMEZAWA Eizou	<p><b><i>IHIRA Masaru</i></b>            Our research is mainly focused on rapid diagnostic methods using isothermal gene amplification. The main research themes are the multiplex LAMP method using gene chips and a novel gene amplification method for using microRNA as a novel biomarker.</p> <ol style="list-style-type: none"> <li>1. The development of rapid diagnostic methods as new biomarker using miRNA for myocardial infarction.</li> <li>2. Development of multiplex LAMP method using gene chips</li> <li>3. Study for natural history of herpes virus or rotavirus</li> </ol> <p><b><i>ITO Hiroyasu</i></b>            We develop new diagnostic and therapeutic methods for cancer and chronic infectious diseases using immunological approaches.</p> <ol style="list-style-type: none"> <li>1. Elucidation of immune checkpoint mechanisms in cancer and chronic infectious diseases, and the development of new tests and treatments for these diseases.</li> <li>2. Development of vaccine therapy against chronic hepatitis B virus infection.</li> </ol> <p><b><i>MIURA Yasuo</i></b>            Intercellular crosstalk among stem cells serves as a vital molecular mechanism within living organisms, intricately involved in maintaining the delicate balance of homeostasis within tissues and organs. Extensive research is dedicated to the comprehensive exploration of the secreted nanoscale particles, which assume the role of mediators in this intricate process. These particles exhibit a remarkable composition, encompassing a diverse array of essential components, including proteins, nucleic acids, lipids, and various other bioactive molecules.</p> <ol style="list-style-type: none"> <li>1. Cultivation and functional analysis of tissue stem cells</li> <li>2. Isolation of nanoparticles</li> </ol> <p><b><i>FUJIGAKI Hidetsugu</i></b>            The aim of our study is to develop diagnostic devices and therapeutic agents for several diseases such as tumors and mental diseases through biochemical analysis of biological information.</p> <ol style="list-style-type: none"> <li>1. Development of biomarkers and diagnostic agents by metabolomic analysis using HPLC and mass spectrometry.</li> <li>2. Development of therapeutic agents for tumors and psychiatric disorders targeting amino acid metabolism.</li> </ol> <p><b><i>UMEZAWA Eizou</i></b>            Water molecules in living systems move around randomly in diffusion motion. Diffusion MRI uses its statistical properties to obtain information about tissue microstructure and function. We use physics, mathematics, and mathematical data science to study diffusion MRI.</p> <ol style="list-style-type: none"> <li>1. Study on diffusion MRI</li> <li>2. Study on mathematical and physical foundation of MRI, and new imaging and analysis methods of MRI based on it.</li> </ol>