## Admission in Autumn (October)2025

# Graduate School of Medicine Doctoral Program(Medical Science)

## Student Application Guideline

**National University Corporation** 

Shiga University of Medical Science

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#### Our Philosophy

As the university which is supported by its local community, contributes to the community and plays an active part in the world, we contribute to development of medical and nursing science and promotion of human health.

#### Graduate School Mission

We strive to nurture outstanding researcher and expert with advanced knowledge and capability in medicine and nursing. Our mission is to apply advances in medicine and nursing to the betterment of welfare in our society.

#### The Admission Policies

#### O Students that we want

In accordance with the University's philosophy, we welcome individuals who have the knowledge, ability, and skills necessary to become excellent medical researchers and medical professionals, and who will work diligently and enthusiastically to acquire advanced medical research capabilities, as described below.

- 1. Those who are motivated to contribute to the progress and development of medicine and health care through scientific exploration in the fields of medicine, health care, life science, and medicine-related interdisciplinary fields.
- 2. Those who have international perspectives and a passion to play an active role in the world.
- 3. Those who have respect for life and high ethical standards.
- 4. Those who are motivated to play an active role as a leader to overcome diseases in a wide range of fields in industry-academia-government.

#### O Student Selection

- Advanced Medical Science Course, Advanced Medicine for Clinicians Course and Interdisciplinary Medical Science and Innovation Course
  - 1. The Graduate School conducts a General Medicine and Life Science exam that separately tests students' fundamental understanding and thinking abilities in the following areas: medicine, health care and life science, and medicine-related interdisciplinary fields.
  - 2. We also conduct a foreign language examination (English) to measure students' global sense and their ability to express themselves.
  - 3. In addition to the two abovementioned examinations, candidate students must undergo an interview that confirms their passion for research, cooperative abilities, and high ethical standards.
- NCD Epidemiology Leader's Course
  - 1. We conduct an essay examination to test applicants' basic knowledge about reducing the incidence of Non-Communicable Diseases (NCD).
  - 2. We conduct a foreign language examination (English) to measure students' global sense and their ability to express themselves.

- In addition to the two abovementioned examinations, candidate students must undergo an interview that confirms their passion for research, cooperative abilities, high ethical standards, and language ability.
- 4. We evaluate candidates by their submissions to confirm their passion for reducing the incidence of NCD in the world, doing research, and developing their language abilities.

#### The Curriculum Policies

To allow students to acquire advanced knowledge, skills, and ability stated in the Degree Policies, the curriculum is organized as follows.

#### 1. Course Organization

The Graduate School provides common subjects (or core area subjects) so that students can acquire the specialized knowledge and research skills necessary for medical research, as well as sufficient knowledge and a robust understanding of ethics, including medical ethics, bioethics, and research ethics. In elective subjects, the School allows student to acquire cutting-edge knowledge and research skills through lectures, exercises, and practical trainings in each specialized area, and to develop the ability to carry out research independently.

#### 2. Education Methods

- (1) By establishing four courses, the Graduate School provides students with an organically systematized education as well as research opportunities offered by our entire faculty. In addition, multiple faculty members shall be responsible for each student.
- (2) The Graduate School stipulates several common and elective subjects. The contents of the common subjects are as follows:
- ①The Advanced General Medicine and Technical Seminar cultivates the expertise and research skills required to become a medical researcher.
- ②Introduction to Ethics in Medicine and Life Science familiarizes students with knowledge and standards in the fields of medical ethics, bioethics, and research ethics.
- ③Introduction to Epidemiology and Medical Statistics fosters the knowledge of epidemiology and statistics that is necessary to conduct medical research.
- ④A seminar on the Integration of Fundamental Knowledge and Clinical Research encourages students to learn knowledge and methodological approaches beyond the scope of conventional basic and clinical studies. Elective Subjects foster students' ability to independently conduct research by utilizing the most advanced knowledge in their areas of specialization, and their research skills.
- (3) Each course provides its own characteristic subjects as indicated below:
- ① The Advanced Medical Science Course fosters students' ability to conduct independent research by providing them with opportunities to participate in advanced and unique research projects that involve fundamental research ethics and the most advanced research techniques.

- ②Advanced Medicine for Clinicians Course develops students' ability to play leading roles in medical settings by educating them on medical-related ethical and legal issues with a focus on clinical research. Additionally, the course supports students in their training to qualify as specialized physicians by providing the medical techniques that are necessary to serve as experts.
- ③The Interdisciplinary Medical Science and Innovation Course fosters students' ability to play important roles in areas of the industry-academia collaboration by providing not only medical but also interdisciplinary knowledge, including engineering and physics, as well as practical research skills.
- ④ The NCD Epidemiology Leader's Course covers epidemiology, clinical epidemiology, and public health, and fosters leaders in areas of the industry-academia-government collaboration to play active roles in reducing the incidence of NCD. The course includes practical training with internships conducted outside the university.

#### 3. Assessment of Learning Outcomes

Students' achievement of the learning objectives stated in the syllabus will be assessed objectively through multifaceted evaluation including examinations, reports, etc. In the third year, the progress of students' research will be evaluated in the Qualifying Examination (QE) based on their poster presentation, and the research advisory plan will be checked. Dissertation defense will be public for rigor and transparency, and examine candidates' knowledge, ability, and developmental potential.

#### The Diploma Policies

To produce medical professionals as stated in the Purpose of Education, the Graduate School of Medicine awards a Doctor of Philosophy (Medicine) degree to those who have attended the school for the prescribed period of time, completed the course requirements, passed the examinations, and acquired the following professional knowledge and skills.

- 1. Students must have the necessary expertise and research skills as medical researchers.
- 2. Students must possess the excellent knowledge and ethics in the fields of medical ethics, bioethics, and research ethics.
- 3. Students must have the ability to conduct research independently and disseminate research results to the world.
- 4. Students must have the ability to contribute to the society through research and promotion of medical science.
- 5. In addition to the above, students shall acquire the following abilities and knowledge for each of the Courses listed below:
  - (1) For the Advanced Medical Science Course, highly advanced knowledge and the ability to exert leadership in government, industry, and academic settings, including in international contexts.

- (2) For the Advanced Medicine for Clinicians Course, knowledge and medical skills required to serve as a specialist, and the ability to exert leadership in medical fields.
- (3) For the Interdisciplinary Medical Science and Innovation Course, interdisciplinary knowledge and research skills to integrate medical fields with other areas.
- (4) For the NCD Epidemic Leader's Course, capability in researching about epidemiology and clinical epidemiology and being leaders in the world of industry-academia-government who play an active role in reducing the incidence of NCD.

## **Student Application Guidelines**

#### Admission Quota

About 2 students in Medical Science (including working students)

- -Advanced Medical Science Course
- -Advanced Medicine for Clinicians Course
- (\* Including the Oncology Specialist Training Course and Forensic Generalist, Forensic Specialist Training Course)
- -Interdisciplinary Medical Science and Innovation Course
- NCD Epidemiology Leader's Course
- \*1 For the details of "the Oncology Specialist Training Course" and "Forensic Generalist, Forensic Specialist Training Course," please refer to the attached application guidelines.
- (Note) For applicants who are willing to enroll while maintaining their job, "Special Exception of Education Method" according to Article 14 of Graduate Schools Establishment Standards shall apply, and we may provide education through appropriate means, which may include conducting classes or research guidance in the evening or other defined hours and periods.

#### **Eligibility for Applicants**

- 1. Those who have graduated or are expected to graduate from a school of medicine or dentistry of a university, or a six-year program of pharmacy or veterinary medicine by September 2025.
- 2. Those who have completed or are expected to complete 18 years of school education (must include medicine, dentistry, pharmacy, or veterinary medicine in the curriculum) by September 2025.
- 3. Those who have completed or are expected to complete 18 years of school education in a foreign country (must include medicine, dentistry, pharmacy, or veterinary medicine in the curriculum), by taking courses in correspondence education while in Japan provided by a school in a foreign country by September 2025.
- 4. Those who have completed a curriculum (an applicant must complete 18 years of school education in a foreign country (must include medicine, dentistry, pharmacy or veterinary medicine in the curriculum)) in an educational institution in Japan that is deemed to have courses offered by an overseas college according to the educational system of that country and have also been designated by the Ministry of Education, Culture, Sports, Science and Technology.
- 5. Those who have academic ability equivalent or superior to those who have completed a master's program or have earned a master's degree, and have also been designated by the Minister of Education, Culture, Sports, Science and Technology according to Notification No. 39 dated April 8, 1955, from the Ministry of Education and Notification No. 118 dated September 1, 1989, from the Ministry of Education, including those who are recognized to have an academic ability equivalent or superior to those who have graduated from a school of medicine, dentistry, or veterinary medicine.
- 6. Those who stayed in a six-year college for four years or more without graduating from it (a curriculum must include medicine, dentistry, pharmacy, or veterinary medicine) and are recognized by our school that they have earned a designated number of credits with excellent grades.
- 7. Those who have completed 16 years of school education in a foreign country (a curriculum must include medicine, dentistry, pharmacy, or veterinary medicine); those who have completed 16 years of school education in a foreign country (must include medicine, dentistry, pharmacy, or veterinary medicine in the curriculum), by taking courses in correspondence education provided by a school in a foreign country; or

those who have completed a curriculum (an applicant must complete 16 years of school education in a foreign country (must include medicine, dentistry, pharmacy, or veterinary medicine in the curriculum)) in an educational institution in Japan that is deemed to have courses offered by an overseas college according to the educational system of that country and have also been designated by the Minister of Education, Culture, Sports, Science and Technology, while being recognized by our school to have earned a designated number of credits with excellent grades.

- 8. Those who are recognized to have academic ability equivalent or superior to those who have graduated from a college (a curriculum must include medicine, dentistry, pharmacy, or veterinary medicine) through individual screening of requirements for admission and who will be 24 years old before or on September 30, 2025.
- (Notes) 1. Applicants for working students must apply to one of the above criteria, already work at the point of application, and obtain approval from their supervisor for enrollment while maintaining their job.
  - 2. If you apply, following any of the above criteria 5-8, please refer to "Screening of Eligibility for Application" on page 11.

**Application Procedure** 

1. Period of Application

Thursday, May 29 to Wednesday, June 4, 2025
(as indicated by the postmark on the envelope)

2. Address to Submit Application Documents and Inquiry

Student Affairs Division , Admissions Office
Shiga University of Medical Science
Seta Tsukinowa-cho, Otsu City, Shiga 520-2192, Japan

Tel: +81-77-548-2071 (direct)

3. Application Documents (Please use the designated forms for the documents marked with an asterisk\*.)

	Required Document	Note
1	Application for Admission *	
2	Academic Transcript (Japanese or English)	Prepared and sealed by the President (Dean) of the school attended. Not required for those who have graduated/will graduate from our university. If you have completed/will complete a master's program, please <u>also submit</u> an academic transcript prepared and sealed by the President (Dean) of the graduate school attended.
3	Certificate of Graduation or Certificate of Expected Graduation (Japanese or English)	Prepared by the President (Dean) of the school attended. Not required for those who have graduated/will graduate from our university. If you have completed/will complete a master's program, please <u>submit only</u> a certificate of completion (or a certificate of expected completion) prepared by the President of the graduate school attended.
4	Payment verification form (included at the end of this booklet) *	After paying the <b>30,000 yen</b> entrance examination fee using the deposit request form (designated by the university and included at the end of this booklet) between Wednesday, May 14 and Wednesday, June 4,2025, at a bank, attach the "Certificate of Payment" with stamp of receipt in its designated spot.
5	Examination Admission Card/ Photo Card *	Attach your photo (upper front body, no hats, taken within the past three months, 4 cm high × 3 cm wide) on the designated column.
6	Envelope for sending an Examination Admission Card *	On the front of the envelope, write your name/address and attach postage stamps equivalent to 410 yen.
7	Address Card *	Fill in the address where you would like to receive a letter of acceptance. Please do not remove the sticker mount.
8	Letter of Permission for Examination from a Supervisor	Submit only if you are currently enrolled in another graduate school (unless expected to graduate by September 2025) or work in a government, medical institution, company, etc. (It is not required if you currently attend our university.) (Refer to the attached format example)
9	Personal Statement *	Form A In English (Only for applicants to the NCD Course)
10	Certification of English Proficiency *	Form B In English (Only for applicants to the NCD Course)
11	Recommendation letter *	Form C Prepared and sealed by a supervisor of the school or institute attended (Only for applicants to the NCD Course)

(Notes) 1. Applicants for the NCD Epidemiology Leader's Course should download Forms A-C from the following webpage. https://www.shiga-med.ac.jp/admission/graduate/requirements

Documents 1-8 are the same for all courses.

- 2. Any change in the description will not be accepted after submitting your application. Regardless of reasons, application documents will not be returned once they are submitted.
- 3. The documents submitted for eligibility screening also can be used for this application procedure. You do not need to submit the same documents twice.
- 4. If false information is found in the application documents, admission may be canceled even after enrollment.

#### 4. Application Methods

(1) Send by Postal mail

Prepare application documents and send them in a designated envelop enclosed with this guideline by "registered express mail."

(2) Submit at School

Bring application documents to "2. Address to Submit Application Documents and Inquiry" on page 6. They will be accepted between 9:00 am and 5:00 pm. (except Saturdays and Sundays)

5. Consultation with our Faculty before the Submission of Application (Mandatory)

To determine a course you would like to apply for, please do not fail to consult with the faculty member whom you wish to receive guidance (refer to pages 23-31) before the submission of your application (or before Screening of Eligibility for Application if you take it.)

In that case, call our main phone number (077-548-2111) or contact the faculty member directly.

#### 6. Considerations

- (1) An Examination Admission Card will be sent to an applicant by Monday, June 23. If you do not receive it by Wednesday, June 25, promptly contact "2. Address to Submit Application Documents and Inquiry" listed on page 6.
- (2) If you have any special considerations for taking the entrance examination or attending our school, such as a handicap, please inform us of "2. Address to Submit Application Documents and Inquiry" listed on page 6 prior to your application.
- (3) Refund procedure for those who are eligible to receive an examination fee refund:

  If you correspond with one of the following conditions, your examination fee can be refunded. If not, the fee will not be refunded for whatever reason. If you apply for a refund, contact "2. Address to Submit Application Documents and Inquiry" listed on page 6 by Wednesday, June 25, 2025.
  - ① Those who do not submit an application after paying the examination fee (application documents were neither submitted nor accepted)
  - ② Those who paid the examination fee twice by mistake

#### Selection Method, etc.

#### 1. Selection Method

Written examination, interview, and application documents will be evaluated. Working applicants are not specially selected separately from other applicants. The same selection process will be used for working applicants.

#### 2. Examination schedule

		Course 1	name, examination	type and point all	ocation	
Date	Hours	Course -Interdisciplinary Medical Science and Innovation Course		-NCD Epidemiology Leader's Course		
	10:00 – 11:30	English competence exam	120 points	English competence exam	50 points	
Tuesday, July 1	12:30 – 13:30	-Written exam on general medicine and life science	120 points	-Essay	50 points	
	14:00 –	Interview (individual)	*1	Interview (individual)	*2 *3	

- \*1. In the interviews for Advanced Medical Science Course, Advanced Medicine for Clinicians Course, and Interdisciplinary Medical Science and Innovation Course, a scale is used to assess the qualities and aptitude to become an medical educator and/or researcher, and the results are taken into account in the overall evaluation.
- \*2. For NCD Epidemiology Leader's Course applicants, an individual interview will be conducted in English to determine if the applicants are suitable for our program in terms of qualifications and academic ability.
- \*3. For NCD Epidemiology Leader's Course applicants, the total points allotted for the interview and application documents (English essay, English proficiency, and recommendation letter) will be 140 points.
- (Note) 1. Only graphite pencils (including mechanical pencils), pencil sharpeners (not electronic), erasers, glasses, watches (with clock function only), eye drops, tissues, and handkerchief are allowed to use during the examination. Please take tissues out from their package.
  - 2. During the "English competence exam," it is permitted to bring in paper dictionaries (electronic dictionary are not allowed.). However, medical dictionaries are not allowed in this exam.
  - 3. Please be sure to refer to the attachment for information on the scope of the examination for General medicine and life science.
  - 4. Applicants for Advanced Medical Science Course, Advanced Medicine for Clinicians Course, or Interdisciplinary Medical Science and Innovation Course who have eligibility No.6 will take the essay exam instead of the exam on General medicine and life science.

#### 3. Location

Shiga University of Medical Science (Please refer to the "Campus Map" on page 13.) Details will be sent together with the Examination Admission Card.

#### Result Announcement

#### 10:00 am, Thursday, July 10, 2025 (as scheduled)

Successful applicants' numbers will be announced on our homepage (https://www.shiga-med.ac.jp/), while "a letter of acceptance" will be sent to successful applicants.

We do not answer any inquiries regarding results by phone.

#### **Enrollment Registration**

- 1. Date and Time
  - · At school

From 9:00 am to 5:00 pm on Thursday, September 18, 2025

#### · By postal mail

#### Due by 5:00 pm, Friday, September 19, 2025

If you send documents via postal mail, please call the phone number given in item 2 below no later than 5:00 pm, Wednesday, September 17, 2025.

#### 2. Place of registration (postal address) and contact

## Student Affairs Division , Admissions Office

**Shiga University of Medical Science** 

Seta Tsukinowa-cho, Otsu City, Shiga 520-2192, Japan

Tel: +81-77-548-2071 (direct)

#### 3. Payment

(1) Entrance fee: 282,000 yen

- (2) Tuition fee: \(\frac{4}{2}67,900\) for the second half
  - ① Successful applicants will be notified of information regarding tuition fees, including the amounts and payment details.
  - ② The tuition fee for the second half must be paid using the payment slip provided by SUMS before the end of November, 2025.
  - ③ When the tuition fee is revised during enrollment, the new fee shall be applied from the date the revision takes effect.

#### 4. Exemption of Payment

Exemption and deferred payment of entrance fee and tuition may be applicable, and procedures for these will be announced separately to successful applicants. However, due to budgetary constraints, there may be cases where exemptions are not possible, so please carefully consider your payment plan for entrance and tuition fees.

#### 5. Documents to Be Submitted

Documents and other information required for the registration will be announced with the letter of acceptance.

#### 6. Considerations

- (1) An Examination Admission Card will be necessary for the registration, so please be careful not to lose it.
- (2) If you do not complete the registration by the above date, it will be considered as a withdrawal of enrollment.

#### Screening of Eligibility for Application

If you apply based on any of the criteria 5-8 listed in Eligibility for Applicants, you must undergo the following screening procedures to be certified as eligible to apply.

#### 1. Application Documents for Screening

- (1) If you apply under criteria 5, submit following items from ① to ④.
- (2) If you apply under criteria 6 or 7, submit following items from ① to ⑥.
- (3) If you apply under criteria 8, submit following items from ① to ④ and ⑦.
  - ① Request for Screening of Eligibility for Application (designated form available)
  - ② Future research theme and research plan (about 700-800 words on an A4-size sheet)
  - 3 Academic Transcript (Prepared and sealed by the President (Dean) of the school attended.( Japanese or English) If you have completed/will complete a master's program, please also submit an academic transcript prepared and sealed by the President (Dean) of the graduate school.)
  - ④ Envelope for sending a screening result: Please write your name/address, and attach postage stamps equivalent to 410 yen on the front of a "Nagagata No. 3" size envelope (120 × 235 mm)
  - (5) Letter of recommendation (Prepared by the President (Dean) of the school attended. However, if you apply for NCD Course, please use the Form C.)
  - 6 Curriculum (copy) and syllabus (copy) of the school currently attended
  - ① Letter of recommendation (Prepared by the supervisor of a research/medical institution, etc. However, if you apply for NCD Course, please use the Form C.)

#### 2. Period of Application

#### Thursday, May 1 to Friday, May 9, 2025 (must arrive by 5:00 pm)

3. Place to Submit the Application Documents

The place and address for submission are the same as "2. Address to Submit Application Documents and

Inquiry" on page 6.

If you send them by postal mail, send via "simplified registered mail" and write "Enclosed with the request for Screening of Eligibility for Application for Doctoral Program" in red ink on the front of the envelope. If you submit them at school, please bring it to the Admissions Division between 9:00 am and 5:00 pm.

#### 4. Eligibility Screening

Eligibility screening is conducted based on documents you will submit. However, an interview may be required, and in that case, the applicant will be notified.

#### 5. Screening Results

Screening results will be sent to the applicants by Friday, May 23, 2025.

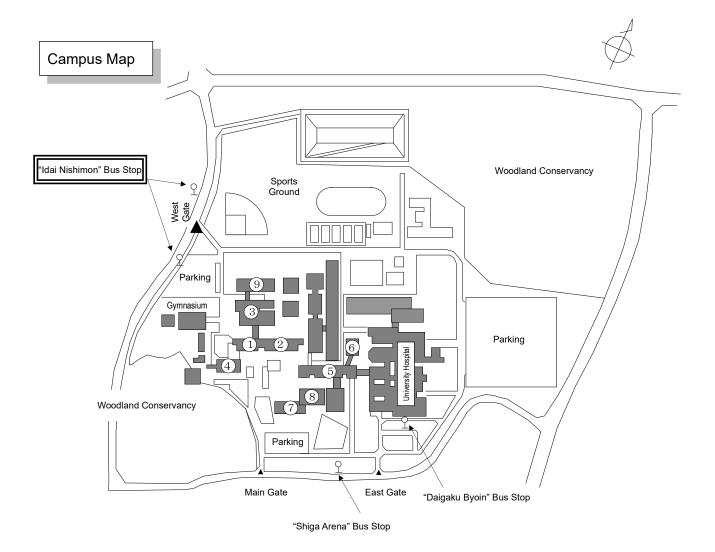
If you are eligible, please follow the application procedure stated in this guideline (refer to page 5.)

Please note that documents submitted for the Screening of Eligibility can be used for the subsequent application procedure, so there is no need to submit them in duplicate.

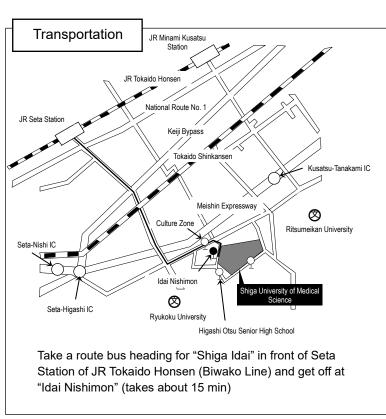
#### Handling of Private Information

Please be advised that private information obtained by the school during the admission process will be handled in accordance with the following conditions.

- 1. Private information will be handled in accordance with the "Act on the Protection of Personal Information" and "Protection of Personal Information Regulations Held by the National University Corporation, Shiga University of Medical Science (as translated)."
- 2. Name, address, and other private information on submitted application documents, etc., will be used for (1) applicant selection (application processing and selection), (2) notification of successful applicants, and (3) registration for enrollment.
- 3. Examination results obtained through applicant selection will be used to develop materials for future applicant selection.
- 4. Enrolling students' private information provided in application documents, etc. will be used for (1) teaching (student registration, study guidance, etc.), (2) support for students (health management, application for scholarship, etc.), and (3) administration regarding tuition payment.



- (1) General Education and Research Building
- (2) Medical Science Research Building
- (3) Basic Medicine Laboratories and Lecture Halls
- (4) Student Center
- (5) Clinical Medicine Education and Research Building
- (6) Clinical Lecture Halls
- (7) Administration Building and Health Management Center
- (8) Library and Multimedia Center
- (9) School of Nursing Building



## Overview of the Graduate School of Medicine, Doctoral Program (Medical Science)

#### Purpose

The purpose of this Graduate School of Medicine (Doctoral Program) is to grow excellent researchers who have advanced research ability required to be independently engaged in creative research activities, high academic expertise that serves as a foundation for the former ability, and a sense of humanity; and our mission is to dedicate ourselves to the advancement of medical science and improvements in social welfare.

## Structure Doctoral Program (Medical Science) Interdisciplinary **Advanced Medical** Advanced Medicine NCD Epidemiology Medical Science and Science Course for Clinicians Course Leader's Course Innovation Course Advanced Medicine for Clinicians Course **Oncology Specialist Training Course** Forensic Generalist, Forensic Specialist Training Course

Four courses are offered to grow (1) medical researchers and advanced clinicians who can perform unique and leading-edge research based on high academic expertise and broad knowledge in general medicine; (2) people with interdisciplinary knowledge and research abilities, for example, on medicine and engineering or medicine and biotechnology; and (3) physicians and medical researchers with high expertise, a sense of humanity, and high ethical standards.

#### Advanced Medical Science Course:

Students engage in medical research from basic medicine to clinical medicine and develop a doctoral dissertation to obtain the degree. This course aims to achieve the following three objectives.

- 1. Development of excellent researchers who have the advanced research abilities needed to be independently engaged in creative research activities, high expertise that serves as a foundation for the former abilities, high ethical standards, and a sense of humanity.
- 2. Development of highly motivated people who have an enthusiastic and inquisitive mind with creativity and who try to solve a variety of medical issues ranging from basic medicine to clinical medicine.
- 3. Development of physicians/medical researchers who have the latest knowledge and research abilities sufficient to play an active role in the international arena.

#### Advanced Medicine for Clinicians Course:

Students engage mainly in clinical research while working to be qualified as a specialist and develop a doctoral dissertation to obtain their degree. This course aims to achieve the following three objectives.

- 1. Development of advanced clinicians who have excellent research abilities, advanced clinical skills, high ethical standards, and a sense of humanity.
- 2. Development of medical research to develop new diagnostic and therapeutic methods with the aim of adopting research outcomes in clinical medicine from clinical sites.
- 3. Study on medical ethics and legal theories with a focus on clinical research and the development of people who can be successful leaders in clinical sites.

Advanced Medicine for Clinicians Course also has "Oncology Specialist Training Course" and "Forensic Generalist, Forensic Specialist Training Course".

#### • Interdisciplinary Medical Science and Innovation Course:

Students study about the creation of a new academic discipline and medical innovation through the integration of medicine and other fields of study and develop a doctoral dissertation to obtain their degree. Classes are considered for those who have graduated from a department other than a medical school. This course aims to achieve the following three objectives.

- 1. Development of researchers who have interdisciplinary knowledge and high research skills that transcend conventional academic disciplines, such as medicine, engineering, and biotechnology, combined with high ethical standards and a sense of humanity as clinicians.
- 2. Development of people who lead innovations in medical science and practice with interdisciplinary knowledge and high research ability.
- 3. Development of researchers who have not only broad knowledge on basic and clinical medicines but also interdisciplinary perspectives and research abilities to become successful in research institutions of college, private companies, and other organizations.

#### NCD Epidemiology Leader's Course:

Students research on NCD (Non-Communicable Disease) and develop a doctoral dissertation to obtain the degree. This course aims to achieve the following four objectives.

- Development of well-balanced NCD leaders who possess medical knowledge concerning NCD, expertise in epidemiological methodology and biostatistics, as well as the ability to formulate novel solutions for improving public health in Asia.
- 2. Development of global leaders who are internationally minded, proficient in English, and capable of engaging in logical discussion.
- 3. Development of academic leaders with first-rate research skills based on extensive experience in large-scale epidemiologic research studies and international collaborative research.
- 4. Development of dynamic leaders capable of playing an active role at the front line of health-related industries and government agencies focused on public health issues.

#### List of Classes and Number of Credits

Refer to Appendix 1.

For Oncology Specialist Training Course and Forensic Generalist, Forensic Specialist Training Course, please refer to "Student Application for Oncology Specialist Training Course" and "Forensic Generalist, Forensic Specialist Training Course," respectively.

## Major Study Themes of Faculty

Refer to Appendix 2.

#### Study Guide

### Advanced Medical Science Course, Advanced Medicine for Clinicians Course, Interdisciplinary Medical Science and Innovation Course:

- Over the first, second, and third years, students must earn at least 30 credits in total, including 14 credits from compulsory subjects; and 4 credits from compulsory subjects among course subjects; and 12 or more credits from practice subjects.
- 2. In the third and fourth years, students should dedicate themselves in voluntary research activities, while receiving research guidance suitable for their research themes from their academic advisors, to nurture the advanced research abilities needed to be independently engaged in creative research activities and expertise that serves as foundations for the former abilities.
- 3. For inquiries about Oncology Specialist Training Course and Forensic Generalist, Forensic Specialist Training Course, please contact the relevant department separately.

#### NCD Epidemiology Leader's Course:

- 1. During the four years of the program, students are required to earn 18 credits in the compulsory subjects and two credits in the elective subjects in core area; two credits in the elective subjects in supplemental area; and eight credits in the compulsory subjects and two credits in the elective subjects of practicum.
- 2. Starting in the second year, students will engage in their own research under the guidance of an academic advisor. They will participate in a training program at another institution in order to gain practical knowledge in association with their research subject. Through these experiences, students will acquire advanced research skills and become capable of conducting research independently and creatively.

## Special Exception of Education Methods

In our Graduate School of Medicine (Doctoral Program), the "Special Exception of Education Method" has been adopted according to Article 14 of Graduate Schools Establishment Standards. We provide classes and research guidance not only during the daytime, but also in the evening and other special hours or periods so that workers can complete a program and receive education and research guidance while maintaining their job. (It does not apply to the Project for Reducing the Burden of Non-Communicable Disease (NCD) in the Asian Pacific Region.)

## Grant of Academic Degree

- 1. The standard term of study is four years.
- 2. A degree of "Doctor of Philosophy in Medical Science" is granted.
- 3. The degree is granted to those who have stayed in this graduate school for four years or more, earned 30 credits or more in accordance with the above Study Guide, and passed a Qualifying Examination, furthermore passed a dissertation review and a final examination after receiving the necessary research guidance. However, those who have stayed in this graduate school for three years or more, achieved extraordinary research results, and fulfilled certain requirements may be granted a degree even if they stayed in the school for less than four years.

## List of Classes and Number of Credits

Advanced Medical Science Course, Advanced Medicine for Clinicians Course, Interdisciplinary Medical Science and Innovation Course

Su	ubject	0.1: /	0 1			Credits	5	Compulsory/
class	sification	Subject	Grade	Semester	Lect.	Ex.	Prac.	Elective
		Basic Science Fundamentals & Multidisciplinary Seminars I	1-2	1st	3			Compulsory
र्ध	ation	Basic Science Fundamentals & Multidisciplinary Seminars II	1-2	2nd	3			Compulsory
Common subjects	Foundational Education	Technical Seminar	1-2	1st		2		Compulsory
วม รา	nal E	Bioethics and Medical Ethics	1-2	1st	1			Compulsory
mma	datio	Fundamentals of Epidemiology and Medical Statistics	1-2	1st	1			Compulsory
ပိ	uno_	Integrated Basic and Clinical Seminar I	1-2	1st	2			Compulsory
	ш.	Integrated Basic and Clinical Seminar II	1-2	2nd	2			Compulsory
	Advanced Medical Science	Pioneer Seminar	1-2	1st		2		Compulsory
	Advaı Med Scie	Frontier Medical Research Method	1-2	1st			2	Compulsory
S	rd for is	Clinical Research	1-2	1st	2			Compulsory
bject	Interdisciplinary Advanced Medical Science and Innovation Clinicians	Skills for Epidemiology and Medical Statistics	1-2	1st			1	Compulsory
lnS e		Medical Ethics and Law	1-2	2nd	1			Compulsory
Course Subjects		Biomedicine	1-2	1st	1			Compulsory
O		Genome Science	1-2	2nd	1			Compulsory
		Bioinformatics	1-2	1st	1			Compulsory
	Ini Medi	Infectious Diseases	1-2	1st	1			Compulsory
		Practice in Cellular Physiology A	1-3	1st			2	Elective
		Practice in Cellular Physiology B	1-3	2nd			2	Elective
		Practice in Developmental and Functional Anatomy A	1-3	1st			2	Elective
		Practice in Developmental and Functional Anatomy B	1-3	2nd			2	Elective
		Practice in Stem Cell Biology A	1-3	1st			2	Elective
		Practice in Stem Cell Biology B	1-3	2nd			2	Elective
		Practice in Systems Neuroscience A	1-3	1st			2	Elective
ects		Practice in Systems Neuroscience B	1-3	2nd			2	Elective
subj	Common	Practice in Regulation of Gene Expression A	1-3	1st			2	Elective
Practice subjects	Com	Practice in Regulation of Gene Expression B	1-3	2nd			2	Elective
Pra		Practice in Molecular Cell Biology A	1-3	1st			2	Elective
		Practice in Molecular Cell Biology B	1-3	2nd			2	Elective
		Practice in Molecular Neuroanatomy A	1-3	1st			2	Elective
		Practice in Molecular Neuroanatomy B	1-3	2nd			2	Elective
		Practice in Diagnostic Pathology A	1-3	1st			2	Elective
		Practice in Diagnostic Pathology B	1-3	2nd			2	Elective

Sı	ubject	Outlinet	01-	0		Credits	Compulsory/	
	sification	Subject	Grade	Semester	Lect.	Ex.	Prac.	Elective
		Practice in Pathology and Immunology A	1-3	1st			2	Elective
		Practice in Pathology and Immunology B	1-3	2nd			2	Elective
		Practice in Molecular Pharmacology A	1-3	1st			2	Elective
		Practice in Molecular Pharmacology B	1-3	2nd			2	Elective
		Practice in Occupational Health A	1-3	1st			2	Elective
		Practice in Occupational Health B	1-3	2nd			2	Elective
		Practice in Legal Medicine A	1-3	1st			2	Elective
		Practice in Legal Medicine B	1-3	2nd			2	Elective
		Practice in Cardiology A	1-3	1st			2	Elective
		Practice in Cardiology B	1-3	2nd			2	Elective
		Practice in Respiratory Medicine A	1-3	1st			2	Elective
		Practice in Respiratory Medicine B	1-3	2nd			2	Elective
		Practice in Gastroenterology A	1-3	1st			2	Elective
		Practice in Gastroenterology B	1-3	2nd			2	Elective
		Practice in Hematology A	1-3	1st			2	Elective
		Practice in Hematology B	1-3	2nd			2	Elective
		Practice in Endocrinology, Metabolism & Nephrology A	1-3	1st			2	Elective
		Practice in Endocrinology, Metabolism & Nephrology B	1-3	2nd			2	Elective
"		Practice in Neurology A	1-3	1st			2	Elective
Practice subjects	_	Practice in Neurology B	1-3	2nd			2	Elective
gns	ommo	Practice in Pediatrics A	1-3	1st			2	Elective
ice		Practice in Pediatrics B	1-3	2nd			2	Elective
ract	0	Practice in Psychiatry A	1-3	1st			2	Elective
Ф		Practice in Psychiatry B	1-3	2nd			2	Elective
		Practice in Dermatology A	1-3	1st			2	Elective
		Practice in Dermatology B	1-3	2nd			2	Elective
		Practice in Gastrointestinal Surgery, and Breast, Pediatric and General Surgery A	1-3	1st			2	Elective
		Practice in Gastrointestinal Surgery, and Breast, Pediatric and General Surgery B	1-3	2nd			2	Elective
		Practice in Cardiovascular Surgery A	1-3	1st			2	Elective
		Practice in Cardiovascular Surgery B	1-3	2nd			2	Elective
		Practice in General Thoracic Surgery A	1-3	1st			2	Elective
		Practice in General Thoracic Surgery B	1-3	2nd			2	Elective
		Practice in Orthopaedic Surgery A	1-3	1st			2	Elective
		Practice in Orthopaedic Surgery B	1-3	2nd			2	Elective
		Practice in Hands-on Educational Program in Neurosurgery A	1-3	1st			2	Elective
		Practice in Hands-on Educational Program in Neurosurgery B	1-3	2nd			2	Elective

Sı	ubject	Cubicat	Grade	Semester		Credits	3	Compulsory/
class	ification	Subject	Grade	Semester	Lect.	Ex.	Prac.	Elective
		Practice in Otorhinolaryngology-Head and Neck Surgery A	1-3	1st			2	Elective
		Practice in Otorhinolaryngology-Head and Neck Surgery B	1-3	2nd			2	Elective
		Practice in Obstetrics and Gynecology A	1-3	1st			2	Elective
		Practice in Obstetrics and Gynecology B	1-3	2nd			2	Elective
		Practice in Urology A	1-3	1st			2	Elective
		Practice in Urology B	1-3	2nd			2	Elective
		Practice in Ophthalmology A	1-3	1st			2	Elective
		Practice in Ophthalmology B	1-3	2nd			2	Elective
		Practice in Anesthesiology A	1-3	1st			2	Elective
		Practice in Anesthesiology B	1-3	2nd			2	Elective
		Practice in Radiology A	1-3	1st			2	Elective
		Practice in Radiology B	1-3	2nd			2	Elective
		Practice in Oral and Maxillofacial Surgery A	1-3	1st			2	Elective
		Practice in Oral and Maxillofacial Surgery B	1-3	2nd			2	Elective
		Practice in Clinical Laboratory Medicine A	1-3	1st			2	Elective
		Practice in Clinical Laboratory Medicine B	1-3	2nd			2	Elective
		Practice in Critical and Intensive Care Medicine A	1-3	1st			2	Elective
		Practice in Critical and Intensive Care Medicine B	1-3	2nd			2	Elective
		Practice in Medical Oncology A	1-3	1st			2	Elective
		Practice in Medical Oncology B	1-3	2nd			2	Elective
Ø		Practice in Primary Care Medicine A	1-3	1st			2	Elective
jects	_	Practice in Primary Care Medicine B	1-3	2nd			2	Elective
sub	Common	Practice in Plastic & Reconstructive Surgery A	1-3	1st			2	Elective
tice	Corr	Practice in Plastic & Reconstructive Surgery B	1-3	2nd			2	Elective
Practice subj		Practice in Clinical Cancer Pharmacology A	1-3	1st			2	Elective
_		Practice in Clinical Cancer Pharmacology B	1-3	2nd			2	Elective
		Practice in Molecular Neuroscience A	1-3	1st			2	Elective
		Practice in Molecular Neuroscience B	1-3	2nd			2	Elective
		Practice in Neuropathobilogy A	1-3	1st			2	Elective
		Practice in Neuropathobilogy B	1-3	2nd			2	Elective
		Practice in Neuropharmacology A	1-3	1st			2	Elective
		Practice in Neuropharmacology B	1-3	2nd			2	Elective
		Practice in Neuroscience A	1-3	1st			2	Elective
		Practice in Neuroscience B	1-3	2nd			2	Elective

## Appendix 1

Subject		Subject	Grade	Grado	irade Semester	do Comester	Credits			Compulsory/
class	sification	Gubject	Siado	Semester	Lect.	Ex.	Prac.	Elective		
		Practice in Laboratory Animal Science A	1-3	1st			2	Elective		
		Practice in Laboratory Animal Science B	1-3	2nd			2	Elective		
		Practice in Epidemiology Research A	1-3	1st			2	Elective		
		Practice in Epidemiology Research B	1-3	2nd			2	Elective		
		Practice in Biocommunication Research A	1-3	1st			2	Elective		
		Practice in Biocommunication Research B	1-3	2nd			2	Elective		
		Practice in Regenerative Medicine Research A	1-3	1st			2	Elective		
		Practice in Regenerative Medicine Research B	1-3	2nd			2	Elective		

## List of Classes and Number of Credits

NCD Epidemiology Leader's Course

Area	Chuston	Cluster Subject Grade S	Semester	Credits			Compulsory/	
Area	Cluster	Subject	Grade	Semester	Lect.	Ex.	Prac.	Elective
	Public	Fundamentals of Public Health	1	Year-around	2			Compulsory
	Health	Health Administration and Public Health Law	2	Year-around	2			Compulsory
	Epidemiology	Fundamentals of Epidemiologic Methods	1	Year-around	2			Compulsory
ea	and Medical Statistics	Fundamentals of Clinical Trials	1	Year-around	2			Compulsory
Core Area		Fundamentals of Medical Statistics	1	Year-around	2			Compulsory
ပိ	Advanced Topic of	Epidemiology of NCDs	1	Year-around	2			Compulsory
	Epidemiology	Social Epidemiology	2	Year-around	2			Compulsory
	International	Workshop for Discovering Asian Culture and Ethics	1	Year-around		2		Compulsory
	Communication	Presentation and debates	2	Year-around		2		Compulsory
ıntal	Clinical Medicine	Clinical medicine of NCDs	1	Year-around	2			Elective
Supplemental Area	Medical	Medical innovation from bench to community	2	Year-around	2			Elective
Sup	Innovation	Industrial Health	1	Year-around		2		Elective
		Thesis preparation	2	Year-around			4	Compulsory
	Ę	Global Research Training	2	Year-around			2	Elective
	Practicum	Research and Development in the Health Related Industries	2	Year-around			2	Elective
	<u> </u>	Fieldwork at an Asia-Pacific region	3	Year-around			2	Elective
		Presentaion at academic conferences	3	Year-around			4	Compulsory

## **Study Themes of Faculty Members**

Department	Title	Name/Study Themes
		partment of Fundamental Biosciences
	Professor	MERA Yutaka
		1. Study on nanomaterials, nanostructures and surfaces
		2. Development of nano-spectroscopy
		3. Medical application of nanotechnology
	Associate	NARUSE Nobuyasu
	Professor	1. Research for optical properties of nano-,bio-materials
		2. Research for material science using diffraction, microscopy, and spectroscopy
		3. Physics research contributing to environmental science, agriculture, disaster prevention, and medical science
		4. Research for science education
Division		Department of Fundamental Biosciences
	Professor	FURUSHO Yoshio
		Development of medical materials based on supramolecular chemistry     Construction of soft materials utilizing formation of organic salt bridges driven by hydrogen bonding
		3. Design and Synthesis of Functional Polymers
Division	of Riology Der	partment of Fundamental Biosciences
	Professor	HIRATA Takako
		1. Molecular basis of immune cell trafficking
		2. Control of lymphocyte migration to the skin and mucosa
		3. Immune regulation by cytoskeleton-associated proteins
	Associate	SATOOKA Hiroki
	Professor	I. Immunometabolism and redox signaling in autoimmunity
		2. The mechanism of CD8+ regulatory T cell differentiation and the application of CD8+ regulatory T cell for autoimmune disease
		3. Non-lymphoid tissue-specific immune regulation
Division	of Mathematic	cs, Department of Fundamental Biosciences
[	Associate	KAWAKITA Motoko
	Professor	1. Algebraic curves with many rational points
Division		and Ethics, Department of Culture and Medicine
	Professor	OKITA Taketoshi
		1. research on bioethics (clinical ethics, research ethics, public health ethics)
		2. research on the concept of care and responsibility
5	(5   1	3. research on ethical issues related to HIV infection and other infectious diseases
Division		Department of Culture and Medicine
	Associate Professor	KOJIMA Takatsugu
		1. Spatial cognition and language understanding
		Affective information processing     Non-verbal cognition
Division	of English Der	partment of Culture and Medicine
Division	Professor	KATO Yutaka
		1. International comparative research on bioethics
		2. Research on medical and nursing English education
Division	of Cultural Ant	hropology, Department of Culture and Medicine
	Professor	KANESHIGE Tsutomu
		1. Anthropological studies on ethnic minorities of P.R.China
		2. Anthropological studies on Fengshui
		3. Anthropological studies on merit and merit-making
Division	of Anatomy ar	d Cell Biology, Department of Anatomy
<b> </b>	Professor	UDAGAWA Jun
		1. Analysis of the function of the brain phospholipid to the behavior
		2. Analysis of the pathogenesis of nonalcoholic fatty liver disease related to in utero environment
		3. Study on the relationship between hand structure and grasping function
	Special Contract Associate Professor	UCHIMURA Yasuhiro
		1. Elucidation of the molecular mechanisms underpinning DOHaD (developmental origins of health and disease) hypothesis
		2. Elucidation of the function of the genes involved in the onset of sarcopenia
Division		my, Department of Anatomy
	Professor	KATSUYAMA Yu
		1. Analysis of brain morphogenesis
		2. Analysis of mechanisms of maintenance and differentiation of the stem cells  3. Analysis of model primals of psychiatric diseases.
<b>!</b>	Associate	3. Analysis of model animals of psychiatric diseases.
	Professor	KANEDA Hayato  1. Stom coll aging and tissue homoestasis
		Stem cell aging and tissue homeostasis     Search for biomarkers of age-related diseases
Division	of Intogrative	3. Brain morphogenesis Physiology, Department of Physiology
ן אוסוצוטני	Professor	Physiology, Department of Physiology  HITOSHI Seiji
		1. Analysis of the generation, maintenance, and differentiation of neural stem cells
		2. Development of regenerative therapy strategy for the damaged central nervous system
		3. Understanding the pathogenesis of psychiatry diseases
		to a consequence on page means or page many and consequences

Apper	ndix 2	(As of Mar 2025
Department	Title	Name/Study Themes
Division	•	ysiology, Department of Physiology
	Professor	OGAWA Masaaki
		1. Neural circuit mechanisms underlying motivation, decision-making, and attention
		2. Computational algorithms of neural activities related to motivation, decision-making and attention
Division	of Molocular F	3. Translational research that contributes to the understanding, diagnosis, and treatment of psychiatric disorders with impaired
DIVISION	Professor	Physiological Chemistry, Department of Biochemistry and Molecular Biology  AGATA Yasutoshi
	110103301	1. Epigenetic regulation of gene expression and cancer development
		2. Regulation of gene expression and cancer development by chromosome dynamics
		3. Regeneration of cancer specific T cells from iPS cells
Division	of Molecular N	Medical Biochemistry, Department of Biochemistry and Molecular Biology
ı	Professor	OGITA Hisakazu
		1. Signal transduction reseach and genetic analysis in the field of cancer biology and cardiovascular diseases
		2. Molecular mechanism of cell adhesion
	Associate	SATO Akira
	Professor	1. Signal transduction and cell-cell communication in cancer and inflammatory diseases
		2. Adult diseases triggered by aberrant regulation of Wnt signaling
Division		hology, Department of Pathology
	Professor	KUSHIMA Ryoji
		1. Gastrointestinal pathology
		2. Diagnostic pathology
	Associate Professor	NAKAYAMA Takahisa
	110103501	1. Study on the progression potential of non-invasive cancer of gastrointestinal tract
Division	of Dathogono	2. Research on antitumor therapy based on synthetic lethality
DIVISION	Professor	sis and Disease Regulation, Department of Pathology  ITOH Yasushi
		Development of vaccines and therapeutic agents against influenza virus
		2. Research on genetic diseases and aging using a non-human primate model
		Analysis of immune responses using cynomolgus macaques
	Associate	ISHIGAKI Hirohito
	Professor	1. Immunology with using a primate model especially for tumor, transplantation, and infectious disease
Division	of Microbiolog	gy and Infectious Diseases, Department of Pathology
[	Associate	TAMBE Yukihiro
	Professor	1. Physiological function(s) of cancer-related genes.
		2. Search for novel anti-tumor compounds.
Departm	nent of Pharma	acology
<b>j</b> [	Professor	NISHI Eiichiro
		1. Molecular mechanism and pathophysiological role of ectodomain shedding
		2. Regulatory role of transcriptional coregulator in metabolism
		3. Role of metallopeptidases in cardiovascular disease, cancer and inflammatory diseases
	Associate	OHNO Mikiko
	Professor	1. Molecular mechanism and pathophysiological roles of heart rate control by the multifunctional protease
		2. Usefulness of the novel biomarker for the early detection of ACS
		3. Regulatory role of protease in megakaryocyte maturation and platelet production
		4. Role of metalloprotease in Alzheimer's disease
Division	of Occupation Special Contract	al and Environmental Health, Department of Social Medicine
	Associate Professor	I Provention of Work related Musculeskeletal Disorders
		Prevention of Work-related Musculoskeletal Disorders     Health and Safety of Persons with Disabilities (Prevention of secondary disorders)
		Support for Balancing Treatment and Work
		4. Social Barriers and Health of People with Disabilities or Information Vulnerable Populations
Division	of Legal Madid	cine, Department of Social Medicine
اانادانات	Professor	HITOSUGI Masahito
		1. Amalysis of traffic injuries
		2. Pathophysiological analysis for sudden death cases due to thrombosis
		3. Preventive medicine for deaths of external causes
	Associate	NAKAMURA Mami
	Professor	1. Forensic Toxicology, clinical toxicology, physiology of abuse drugs
		2. Virtopsy, postmortem computed tomography
		3. Out-of-hospital death by infectious disease including COVID-19
Division	of Cardiovascu	ular Medicine, Department of Internal Medicine
	Professor	NAKAGAWA Yoshihisa
		1. Coronary reconstruction in ischemic heart disease
, 1		2. Primary and secondary prevention for atherosclerosis
		3. Optimal antithrombotic therapy
	Associate	3. Optimal antithrombotic therapy SAKAI Hiroshi
	Associate Professor	' ''
		SAKAI Hiroshi

Title Description of Reprinted Medicine. Department of Internal Medicine Petitory  NASAMO Yastatila  NASAMO Yastatila  Petitory  NASAMO Yastatila  Petitory  NASAMO Yastatila  Petitory  NASAMO Yastatila  Petitory  NASAMO Yastatila  NASAM	<u>Apper</u>	ndix 2	(As of Mar 2025)
NAMON Vastatals	Department	Title	Name/Study Themes
L. Structure and function relationship of the lung assents Periods Structure and function relationship of regratory diseases  Assents Periods Assents Periods Assents	Division	of Respiratory	Medicine, Department of Internal Medicine
Accesses "AMACUCH Instantion (Instantion of the pathophysiology of septratory diseases (Instantion of the pathophysiology of severe asthma (Instantion of the pathophysiology of the pathop		Professor	NAKANO Yasutaka
Associate Montana (Parison Company)  Policion of Castrocetterology, Department of Internal Medicine  Policion of Statrocetterology, Department of Internal Medicine  Policion of Statrocetterology (Parison Company)  In According to the part of Policy of Poli			1. Structure and function relationship of the lung
Processor			2. Structure and function relationship of respiratory diseases
Notes   Note			YAMAGUCHI Masafumi
Notice To absolute the Professor Internal Medicine Today (Composition of CoPP)  2. Research on lung structure and function in COPP)  3. Research on lung structure and function in COPP)  3. Research on lung structure and function in COPP)  Professor Internal Medicine Today (CoPP)  Professor Internal Medicine Internal		Professor	1. Research on the pathophysiology of severe asthma
Systems of Sastroentrology, Department of Internal Medicine  Professor  Auccosts  INATOMI Osamu  Professor  INATOMI Osamu  Professor  INATOMI Osamu  Professor  INATOMI Osamu  INATOMI Osa			2. Study on the pathophysiology and treatment of chronic intractable cough
1. Sesseration of user structure and function in COPD		Associate	KINOSE Daisuke
2. Research on lung structure and function in COPD		Professor	1. Research on body composition of COPD
Season of Castroenterology, Department of Internal Medicine			
Division of Sastrecenterology, Department of Internal Medicine  Professor  Assessate  INATOMI Osamu  1. Pracreatic fibrosis in pancreatic cancer and chronic pancreatitis 2. New development of endoscopic device in ERCP  Assessate Professor  3. New John Assush  NISHIDA Assush  NISHIDA Assush  NISHIDA Assush  NISHIDA Assush  NISHIDA Assush  Professor  Professor  Professor  Professor  Professor  Professor  Assessate  Professor  In Assessate  Prof			
Polisers	Division	of Gastroenter	
Professor   1. Pancreatic fibrosis in pancreatic cancer and chronic pancreatitis   Associate   Associate   Associate   Associate   Professor   NISHIDA Assubil   Professor   MINBATA Makoto   Division of Hematology, Department of Internal Medicine   Professor   NISHIDA Assubil   Professor   NISHIDA Assubil			——————————————————————————————————————
Professor   1. Pancreatic fibrosis in pancreatic cancer and chronic pancreatitis   Associate   Associate   Associate   Associate   Professor   NISHIDA Assubil   Professor   MINBATA Makoto   Division of Hematology, Department of Internal Medicine   Professor   NISHIDA Assubil   Professor   NISHIDA Assubil			
Professor   1. Pancreatic fibrosis in pancreatic cancer and chronic pancreatitis   Associate   Associate   Associate   Associate   Professor   NISHIDA Assubil   Professor   MINBATA Makoto   Division of Hematology, Department of Internal Medicine   Professor   NISHIDA Assubil   Professor   NISHIDA Assubil	ŀ	Associate	INATOMI Osamu
2. New development of endoscopic device in RRCP Professor NISHIDA Assush 1. Michanism of immune response after hematopoietic stem cell 2. The gut microbiats in inflammatory bowel disease 3. Cytokine network in inflammatory bowel disease 3. Development of immune response after hematopoietic stem cell transplantation 4. Professor 3. Development of novel cellular therapy 4. Division of Diabetology, Endocrinology and Nephrology, Department of Internal Medicine 4. Professor 4. MUMS shipl 5. Pathogenesis of diabetic nephropathy 5. Pathogenesis of dronic kidely disease 7. Professor 8. Remail energy metabolism 7. Associate 7. Professor 9. Regulatory mechanisms of autophagy in the kidney 9. Remail energy metabolism 9. R			
Associate professors  NISHIDA Assuchi Professors  In Mechanism of immune response after hematopoletic stem cell  2. The gut microbiota in inflammatory bowel disease  Division of Hematology, Department of Internal Medicine  Professor  MURATA Makoto  1. Mechanism of immune response after hematopoletic stem cell transplantation  2. Prognostic factor for hematological diseases  3. Development of novel cellular therapy  Division of Disbetology, Endocrinology and Nephrology, Department of Internal Medicine  KUMS Shirji  1. Pathogenesis of disbetic nephropathy  2. Pathogenesis of disbetic nephropathy  2. Pathogenesis of disbetic nephropathy  3. Remail energy metabolism  Associate  Professor  Associate  Associate  Associate  Professor  Division of Neurology, Department of Internal Medicine  WIMAHARA Kosuke  Professor  1. Pathogenesis of disbetic kidney disease  2. Regulatory mechanisms of autophagy in the kidney  3. Remail energy metabolism  Division of Neurology, Department of Internal Medicine  WIMAHARA Makoto  1. Molecular targeted therapy for amyotrophic lateral sclerosis  2. Cell biological analysis of neurodegenerative diseases  3. Noninvarive diagnosis of neurological diseases  4. Melecular pathology of cerbrovacular diseases  3. Noninvarive diagnosis of neurological diseases  4. Melecular pathology of cerbrovacular diseases  3. Application to the regionariative therapies with reprograming of bone marrow-derived cells  3. Analysis of the relation between bone marrow-derived cells and neurological diseases  4. Application to the regionariative therapies with reprograming of bone marrow-derived cells  3. Analysis of the relation between bone marrow-derived cells and neurological diseases  4. Application to the regionariative therapies with reprograming of bone marrow-derived cells  3. Centrological professor  4. Regionaria of the relation between bone marrow-derived cells and neurological diseases  4. Application to the regionariative therapies with reprograming of bone marrow-derived cells  3. Centrological profe			
Pridestor Division of Hematology. Profestor Division of Hematology. Profestor Division of Division of Hematology. Profestor Division of Division of Hematology. Profestor Division of Divi		Associate	
2. The gut microbiotal in Inflammatory bowel disease   3. Cyrokine network in Inflammatory bowel disease   Number   Nu			
Division of Hematology, Department of Internal Medicine  Professor  Division of Diabetology, Separation of Internal Medicine  Professor  NUME Ship  Professor  Professor  Associate  Professor  Division of Diabetology, Department of Internal Medicine  Professor  NUME Ship  Professor  Professor  I Pathogenesis of diabetic rephropathy  2 Pathogenesis of diabetic kidney disease  3 Renal energy metabolism  Professor  Professor  VAMAHARA Kosuke  1 Pathogenesis of diabetic kidney disease  2 Regulatory mechanisms of autophagy in the kidney  Professor  VAMAHARA Kosuke  1 Pathogenesis of diabetic kidney disease  2 Regulatory mechanisms of autophagy in the kidney  Professor  VIRISHITAM Makoto  1 Molecular targeted therapy for amyotrophic lateral sclerosis  2 Cell biological analysis of neurodegenerative diseases  3 Noninvasive diagnosis of neurodegenerative diseases  3 Noninvasive diagnosis of neurodegenerative diseases  4 Molecular pathology of cerebrovascular diseases  5 Functional brain image analysis of Never erhabilitation  Professor  TERASHIMA Tomoya  1 Engineering the novel molecular therapies with cell and tissue specific targetting  2 Application to the regenerative therapies with reprograming of bone marrow derived cells  3 Analysis of the relation between bone marrow-derived cells and neurological diseases  VAMAKAWA Isamu  Teradistrica  Professor  NABOU Voshihiro  1. Molecular genetic analysis of hereditary unconjugated hyperbilirubinemia  2. Polymorphism of UDP-gleucromytramsferase and drug metabolism  Associate  Professor  NABOU Voshihiro  1. Molecular genetic analysis of hereditary unconjugated hyperbilirubinemia  2. Polymorphism of UDP-gleucromytramsferase and drug metabolism  Associate  Professor  NABOU Voshihiro  1. Molecular genetic analysis of hereditary unconjugated hyperbilirubinemia  2. Polymorphism of UDP-gleucromytramsferase and drug metabolisms  Associate  Professor  NABOU Voshihiro  1. Litology and pathophysiology of schizophrenia  2. Cell biological research on sleep and mental health  3. Genetic			
Division of Pienatology, Department of Internal Medicine    Podessor   MURATA Makstob   1. Mechanism of immune response after hematopoietic stem cell transplantation   2. Prognostic factor for hematological diseases   3. Development of novel cellular therapy   3. Pathogenesis of diabetic nephropathy   2. Pathogenesis of diabetic nephropathy   2. Pathogenesis of diabetic didney disease   3. Renal energy metabolism   3. Re			
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I. Mechanism of immune response after hematopoietic stem cell transplantation 2. Prognostic factor for hematological diseases 3. Development of novel cellular therapy 2. Productional part of novel cellular therapy 3. Devision of Diabetology. The Andersology and Nephrology, Department of Internal Medicine  **Windows**  **WUME Shill**  **Rumbersology and Nephrology, Department of Internal Medicine  **Worksology**  **Professor**  **Professo	Division	<u> </u>	
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Department Departm	ndix 2	(As of Mar 2025
Departm		Name/Study Themes
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	Professor	FUJIMOTO Noriki
		1. Analysis of regulatory B cells on autoimmune diseases
		2. Investigation for the treatment of cutaneous mailgnant tumors
	Associate	3. Gene editing for treatment of epidermolysis bullosa  ARAKAWA Akiko
	Professor	1. T-cell Mediated Autoimmune Pathomechanism in Alopecia Areata and Psoriasis
		2. Effect of T-cell receptor-Antigen interaction on T-cell differentiation
		3. T-cell Mediated Tumor Immunity in Melanoma and Angiosarcoma
	Associate	TAKAHASHI Toshifumi
	Professor	Research for diagnosis and treatment of allergic skin diseases
		Research for detecting the genomes of pathogens in infectious skin diseases
Division	of Gastrointes	tinal Surgery, Department of Surgery
	Professor	TANI Masaji
		1. Clinical study for the prevention of post operative complications in pancreatectomy
		2. Development of immunotherapies for gastrointestinal diseases
		3. Study of the pancreatic function
		4. Evaluation of mechanisms for the metastasis
		5. Study of the intervention for surgical skill
		6. Interaction between cancer cells and fibroblasts
	Associate	MIYAKE Tohru
	Professor	1. Study for Cancer fibrosis.
		2. Study for Cancer metastasis.
		3. Study for peri operatire management in Colorectal Surgery.
	Associate Professor	KAIDA Sachiko
	Fiolessoi	1. Study on nutritional status after gastric cancer surgery
		2. Research on the usefulness and safety of robot-assisted gastrectomy
Divisions	af Cardia	3. Research on automatic recognition of the stomach and surrounding blood vesselsusing artificial intelligence (AI)
ועווטוטוטוט	Professor	llar Surgery, Department of Surgery SUZUKI Tomoaki
	110163301	1. Long term outcome of total arterial off-pump CABG
		2. The outcome of total arch replacement under mild hypothermia
		3. Technical aspect or long-term durability of mitral valve repair
		4. Type A aortic surgery: optimal procedure or long-term remodeling
ŀ	Associate	TAKASHIMA Noriyuki
	Professor	1. Study of long-term outcome of thoracic aneurysm
		2. Surgical examination and long-term prognosis study for acute aortic dissection
		3. Examination of arterial wall extensibility and clinical application
		4. Study of surgical procedure and long-term outcome of aortic stenosis
Division	of Thoracic Sui	rgery, Department of Surgery
	Associate	HANAOKA Jun
	Professor	1. Minimally invasive surgery with VATS for chest diseases
		2. A study of the operation method for lung cancer
		3. da Vinch® robotic surgery in general thoracic surgery
		4. A study of the identification technique of the interlobar/intersegmental plane
		5. Evaluation of pulmonary function before and after lay resection using dynamic X-ray apparatus
Departm	ent of Orthop	edic Surgery
	Professor	IMAI Shinji
		1. Improvement of clinical output in arthroscopic shoulder surgery
		2. Improvement of clinical output in shoulder arthroplasty
		3. Regenerative medicine for injures of articular cartilage and spinal cord
	Associate Professor	YAYAMA Takafumi
	riolessor	1. Research for ossification process in patients with ossification of spiual ligament
	Canalal Carri	2. Pathological analysis for hypertrophy of ligament tissue
	Special Contract Associate Professor	KUMAGAI Kosuke
		1. Development of joint degenerative disease diagnostic method and suppressive therapy by comprehensive analysis of cell membrane
		2. A comparative study of drug use during the acquisition of low disease activity in rheumatoid arthritis patients
Dorseit	ont of Name	3. Correlation between TKA postoperative satisfaction and patient-based outcome in RA patients
epartmا	nent of Neuros Professor	
	110163301	YOSHIDA Kazumichi  1. Malagular nathonhyciology and non-invasiva diagnostic imaging of atherosolarosis
		Molecular pathophysiology and non-invasive diagnostic imaging of atherosclerosis     Molecular pathophysiology and non-invasive diagnostic imaging of cerebral aneurysm
		Notecular pathophysiology and non-invasive diagnostic imaging of cerebral aneurysm     Bevelopment of a novel surgical treatment for cerebrovascular diseases
		LA PENCIONALIE DI O HONELAUISICO LI COLLICIE DI LEI CUI UNOCCUIOI UISCOSES
	Associate	4. Epidemiology of cerebrovascular disease
	Associate Professor	4. Epidemiology of cerebrovascular disease  FUKAMI Tadateru
		4. Epidemiology of cerebrovascular disease  FUKAMI Tadateru  1. Research for the multidisciplinary treatment for glioma
		4. Epidemiology of cerebrovascular disease  FUKAMI Tadateru  1. Research for the multidisciplinary treatment for glioma  2. Research for the safety and the risk of awake surgery
		4. Epidemiology of cerebrovascular disease  FUKAMI Tadateru  1. Research for the multidisciplinary treatment for glioma  2. Research for the safety and the risk of awake surgery  3. Research for the therapeutic indications about neuroendoscopic surgery
	Professor	4. Epidemiology of cerebrovascular disease  FUKAMI Tadateru  1. Research for the multidisciplinary treatment for glioma  2. Research for the safety and the risk of awake surgery  3. Research for the therapeutic indications about neuroendoscopic surgery  NITTA Naoki
	Professor Associate	4. Epidemiology of cerebrovascular disease  FUKAMI Tadateru  1. Research for the multidisciplinary treatment for glioma  2. Research for the safety and the risk of awake surgery  3. Research for the therapeutic indications about neuroendoscopic surgery

	ndix 2	(As of Mar 2025
Department	Title	Name/Study Themes
Departn		polaryngology-Head and Neck Surgery
	Professor	_
	Associate Professor	OWAKI Shigehiro
	110103301	1. Diagnosis and treatment of voice disorder
	Associate	2. Diagnosis and treatment of headandneck cancer  TOJIMA Ichiro
	Professor	1. Study of eosinophilic inflammation in upper airway
		2. The pathophysiological research in allergic rhinitis
		Mucus production and its regulation in airway epithelium
Female	Pelvic Surgery a	and Reproductive Medicine, Department of Obstetrics and Gynecology
	Professor	-
	Associate	AMANO Tsukuru
	Professor	1. Robotic-Assisted Surgery for Gynecological Tumors
		2. Elucidation of resistance to treatment of gynecological tumors using organoids
		3. Mechanism of carcinogenesis of endometriosis
Materna		dicine, Department of Obstetrics and Gynecology
	Associate Professor	TSUJI Shunichiro
	110103301	1. Elucidation of pathophysiology and development of treatment and prevention methods for cesarean scar syndrome
		2. Elucidation of the pathogenesis and development of treatments for perinatal brain disorders
		Diagnosis and treatment of cesarean scar syndrome     He role of resident microglia to neonatal hypoxic ischemic encephalopathy
	Associate	TAKAHASHI Akimasa
	Professor	1. Study on the association between ovarian cancer stem cells and resistance to treatment
		2. Investigation of minimally invasive surgery for gynaecological surgery
		Microimmune environment analysis of gynaecological cancers
Departn	nent of Urology	
•	Professor	KAGEYAMA Susumu
		1. Clinical research in robotic and laparoscopic surgery
		2. Development of new anti-cancer drugs for urologic malignancy
		3. Proteomics research in urologic oncology
	Associate	JOHNIN Kazuyoshi
	Professor	1. Surgery in pediatric urology (Reseach for plastic and laparoscopic surgery)
		2. Reserch for voiding dysfunction in children
		3. Application of MRI imaging in pediatric urology
	Associate Professor	YOSHIDA Tetsuya
	110103301	1. Clinical research in urological robotic surgery
		2. Clinical research of nephron-sparing surgery for renal tumors
	Associate	3. Study of systemic therapy for advanced renal cancer  YAMANAKA Kazuaki
	Professor	1. Complement control in kidney transplant rejection
		2. Control of donor-specific antibodies in kidney transplantation
		3. Analysis of factors associated with renal fibrosis in chronic antibody-mediated rejection after kidney transplantation
Departn	nent of Ophtha	
эсра	Professor	SAWADA Osamu
		1. Pharmacokinetics of intravitreal agents
		2. Treatment for diabetic macular edema
	Associate	OBATA Shumpei
	Professor	1. Treatment Prediction Model for Retinopathy of Prematurity Using Artificial Intelligence
		2. Pathophysiology of Retinopathy of Prematurity
		3. Pharmacokinetics of intravitreal agents in macaque monkeys
Departm	nent of Anesth	
	Professor	KITAGAWA Hirotoshi
		1. Multimodal in vivo monitoring of ischemia reperfusion injury
	Associate	2. Cardioprotection by anesthetic agents and opioids
		KOJIMA Akiko
	Professor	11 Elucidation of molecular hasis for the mechanisms underlying cardioprotective effect of anosthatics, focused on Call transport
	Professor	1. Elucidation of molecular basis for the mechanisms underlying cardioprotective effect of anesthetics, focused on Ca2+ transport
	Professor	2. Investigation of modulatory effects of anesthetics on cardiac pacemaker function
	Professor	<ul><li>2. Investigation of modulatory effects of anesthetics on cardiac pacemaker function</li><li>3. Electrophysiological and molecular biological analyses for the interaction between anesthetics and ion channels</li></ul>
	Professor	Investigation of modulatory effects of anesthetics on cardiac pacemaker function     Electrophysiological and molecular biological analyses for the interaction between anesthetics and ion channels     Investigation of modulatory effects of anesthetics on ionic mechanisms involved in arrhythmogenesis
		2. Investigation of modulatory effects of anesthetics on cardiac pacemaker function 3. Electrophysiological and molecular biological analyses for the interaction between anesthetics and ion channels 4. Investigation of modulatory effects of anesthetics on ionic mechanisms involved in arrhythmogenesis  IWASHITA Narihito
	Associate	2. Investigation of modulatory effects of anesthetics on cardiac pacemaker function 3. Electrophysiological and molecular biological analyses for the interaction between anesthetics and ion channels 4. Investigation of modulatory effects of anesthetics on ionic mechanisms involved in arrhythmogenesis  IWASHITA Narihito  1. Elucidating the brain mechanisms of pain using functional brain imaging
	Associate	2. Investigation of modulatory effects of anesthetics on cardiac pacemaker function 3. Electrophysiological and molecular biological analyses for the interaction between anesthetics and ion channels 4. Investigation of modulatory effects of anesthetics on ionic mechanisms involved in arrhythmogenesis  IWASHITA Narihito 1. Elucidating the brain mechanisms of pain using functional brain imaging 2. Multidisciplinary treatment for chronic pain
	Associate	2. Investigation of modulatory effects of anesthetics on cardiac pacemaker function 3. Electrophysiological and molecular biological analyses for the interaction between anesthetics and ion channels 4. Investigation of modulatory effects of anesthetics on ionic mechanisms involved in arrhythmogenesis  IWASHITA Narihito  1. Elucidating the brain mechanisms of pain using functional brain imaging
	Associate Professor	2. Investigation of modulatory effects of anesthetics on cardiac pacemaker function 3. Electrophysiological and molecular biological analyses for the interaction between anesthetics and ion channels 4. Investigation of modulatory effects of anesthetics on ionic mechanisms involved in arrhythmogenesis  IWASHITA Narihito 1. Elucidating the brain mechanisms of pain using functional brain imaging 2. Multidisciplinary treatment for chronic pain 3. Development of minimally invasive treatment using pulse radiofrequency method  NAKANISHI Miho
	Associate Professor Associate	2. Investigation of modulatory effects of anesthetics on cardiac pacemaker function 3. Electrophysiological and molecular biological analyses for the interaction between anesthetics and ion channels 4. Investigation of modulatory effects of anesthetics on ionic mechanisms involved in arrhythmogenesis  IWASHITA Narihito 1. Elucidating the brain mechanisms of pain using functional brain imaging 2. Multidisciplinary treatment for chronic pain 3. Development of minimally invasive treatment using pulse radiofrequency method
	Associate Professor Associate	2. Investigation of modulatory effects of anesthetics on cardiac pacemaker function 3. Electrophysiological and molecular biological analyses for the interaction between anesthetics and ion channels 4. Investigation of modulatory effects of anesthetics on ionic mechanisms involved in arrhythmogenesis  IWASHITA Narihito 1. Elucidating the brain mechanisms of pain using functional brain imaging 2. Multidisciplinary treatment for chronic pain 3. Development of minimally invasive treatment using pulse radiofrequency method  NAKANISHI Miho 1. Elucidation of the intracerebral mechanism of chronic pain using brain MRI for small animals (basic research)

<u>Apper</u>	ndix 2	(As of Mar 2025
Department	Title	Name/Study Themes
Departm	ent of Radiolo	
	Professor	WATANABE Yoshiyuki
		1. Study for pathophysiology of central nerves system disease and functional imaging using MRI and CT
		2. Artificial intelligence for medical imaging.
		3. Human fluid flow imaging using MRI.
	Associate Professor	SONODA Akinaga
	FTOTESSOI	1. Difference in tracheal diameter changes during deep breathing in a supine position between restrictive ventilator impairment
		2. Difference in the pixel value change of lung field during deep breathing between restrictive ventilator impairment patients,
		3. The effect of botulinum toxin A injection into the perirenal arterial space to treat hypertension
	Associate Professor	KONO Naoaki
		1. Clinical research on radiation therapy for localized prostate cancer
-	Associate	2. A retrospective study of the safety and efficacy of multi-targeted stereotactic radiation for metastatic brain tumors
	Professor	KITAHARA Hitoshi
		1. Research on improving the image quality of ultra-high-resolution CT of the lungs using artificial intelligence
		2. Efforts to improve the accuracy of diagnostic imaging in the musculoskeletal radiology
		3. Efforts to improve the accuracy of diagnostic imaging in the pediatric radiology
Donartm	ont of Oral an	4. Efforts to improve the accuracy of diagnostic imaging in the neuroradiology d Maxillofacial Surgery
	Professor	TAKAOKA Kazuki
		1. Effect of senescence-associated secretory phenotype (SASP) on bone microenvironment
		2. Animal models of medication-related osteonecrosis of the jaw
		3. The occlusal rehabilitation using jaw reconstruction and dental implants
ŀ	Associate	YAMORI Masashi
	Professor	1. Oral Cancer
		2. Jaw Defomities and Cleft Palate
		3. Anti-resorptive Agents-related Osteonecrosis of the Jaw
		4. Obstructive Sleep Apnea Syndrome
		5. Periodontal Disease
		6. Dental Implant
-	Associate	KOSHINUMA Shinya
	Professor	1. Elucidation of the mechanism of exposed bone wound healing and development of new tissue regeneration and repair materials
		2. Comprehensive analysis of oral flora
		3. Elucidation of the relationship between maxillofacial morphology and sleep apnea syndrome and various diseases
Departm	ent of Clinical	Laboratory Medicine
	Associate	CHANO Tokuhiro
	Professor	1. Clinical application of genetic medicine
		2. Analyzing the biological function RBICCI/FIP200
		3. Inventing novel strategies for cancer treatment, applied with novel biomarkers
		4. Drug development from targeting RAB39A
Diagnost	tic Pathology	
	Associate	MORITANI Suzuko
	Professor	1. Diagnostic pathology
		2. Pathology of the breast and gynecological organs
Departm		and Intensive Care Medicine
	Professor	SHIOMI Naoto
		1. Study on multimodal treatment of severe head injury
		2. Clinical research on brain death and resuscitation
		3. Construction of pre-hospital emergency medical care system
	Accesist-	4. End of life care in the Emergency medical field
	Associate Professor	TSUJITA Yasuyuki
	2.22301	1. Study of cardiac dysfunction and arrhythmia under excessive stress
		2. Study of septic organ dysfunction
	Associate	3. Epidemiological study of cardiovascular shock
	Professor	FUJINO Kazunori
Danartm		1. Elucidation of the mechanism of multi-organ failure during invasion
Departm	nent of Medica Professor	DAIGO Yataro
	2.22301	1. Isolation and functional analysis of cancer-related genes
		2. Elucidation of molecular pathology of cancer by genomics and proteomics analysis
		Development of molecular targed drugs (small compounds, antibody, nucleic acid medicine)
		Development of molecular targited drugs (small compounds, antibody, nucleic acid medicine)     Development of cancer peptide vaccines and immune-regulating drugs and their translational research
		5. Development of cancer biomarkers and diagnostic systems based on molecular pathology and their translational research towards
		15. Development of cancer biomarkers and diagnostic systems based on molecular pathology, and their translational research towards
		_ · · · · · · · · · · · · · · · · · · ·
	Associate	6. Activity of supporting research by establishing biobanking and using biospecimen
	Associate Professor	6. Activity of supporting research by establishing biobanking and using biospecimen  MURATA Satoshi
	Associate Professor	6. Activity of supporting research by establishing biobanking and using biospecimen  MURATA Satoshi  1. Analysis of mechanisms and development of treatment for metastasis after surgery for gastrointestinal cancer
		6. Activity of supporting research by establishing biobanking and using biospecimen  MURATA Satoshi

<u>Apper</u>	าdix 2	(As of Mar 2025)
Department	Title	Name/Study Themes
Departm		hensive Internal Medicine
	Professor	SUGIMOTO Toshiro
		1. Medical diagnosis Avoiding diagnostic errors
		2. Rural medicine
		3. Clinical electrolyte acid-base abnormalities electrolyte; acid-base abnormalities
		4. Development of continuing professional development using ICT
	Associate Professor	OHNISHI Masato
		1. Pathophysiology and therapy of chronic heart failure
		2. Diagnosis and therapy of hypertension in primary care
-		3. Simulation-based instruction in healthcare professionals
	Associate Professor	ITOH Akihiko
	110103301	1. Percutaneous endoscopic gastrostomy and management of that patient
		2. Indication and complications of enteral nutrition
	Associate	3. Nutritional support team management and multi-occupation collaboration
	Professor	MAENO Yasuhiro  1. Development of effective regional cooperation for medical care of the diabetic patients
		2. Development of effective regional cooperation for medical care of the diabetic patients
-	Associate	WADA Hiroshi
		Research for the efficacy of regional cooperation in respiratory medicine examination
		Clinical examination of obstructive pulmonary disease
Denartm		hensive Surgery
Departit		MEKATA Eiji
		1. Multimodality therapy for colorectal cancer
		Development of the resin of the surgical instrument
		3. Anticancer drug sensitivity test
		4. Oncology (disease state, therapy and community cooperation)
	Associate	YAMAGUCHI Tsuyoshi
	Professor	Research on efficacy and safety of bariatric and metabolic surgery
		2. Research on upper gastrointestinal surgery
		3. Research on efficacy and safety of treatment of peptic ulcer
	Associate	AKABORI Hiroya
	Professor	1. Study of gastrointestinal surgical stress
		2. Development of microwave surgical device
		3. Clinical study of the operation method for pancreas
•	Associate	KITAMURA Naomi
	Professor	1. Development of new endotoxin measurement method.
		2. Postoperative analgesic effect for laparoscopic cholecystectomy.
Departm	ent of Plastic a	and Reconstructive Surgery
	Special Contract Professor	ARATA Jun
	Professor	1. Evaluation of percutaneous osteotomy for callus distraction
		2. Research of monitoring for tissue transfer
		3. Research of survival rate and number of vascular anastomosis for digital replantation
	Associate	OKANO Junko
	Professor	1. Establishment of a novel scaffold which leads to the regeneration of heterogenous tissues in deep wounds
		2. Development of bacteriophage therapy for multi-antibiotic-resistant bacteria
Departm		cotherapeutics
		MORITA Shin-ya
		1. Research on lipid transporters and lipid metabolism
		2. Development of methods for measuring lipids
	A = : - :	3. Study of personalized medicine
	Associate Professor	IKEDA Yoshito
	0.00001	1. Research on lipid transporters
Endarr	nu.	2.Research on metal transporters
Endosco	Associate Associate	VIMITEA Hidonovi
	Professor	KIMURA Hidenori  1. Development of minimally invasive treatment for gastraintectinal tymory
		<ol> <li>Development of minimally invasive treatment for gastrointestinal tumors</li> <li>Research on observation methods to improve the detection rate of gastrointestinal tumors</li> </ol>
		Research on observation methods to improve the detection rate of gastrointestinal tumors     Pathophysiological analysis in the development of gastrointestinal tumors focusing on the gut microbiota
Blood D	ırification	J. 1 actiophysiological alialysis in the development of gastrollitestillal tullions locusing off the gut fillcroblota
) DIOUG PL	Associate	KANASAKI Masami
	Professor	1. Blood purification
		Mechanism of development of diabetic nephropathy
Blood Tr	ansfusion and	Cell Therapy Center
5.500 11	Associate	MINAMIGUCHI Hitoshi
	5 (	Phenotypic analysis of hematopoietic stem cell
		2. Phenotypic analysis of leukemic stem cell
Clinical N	Nutrition	
	Associate	TAKEBAYASHI Katsushi
		1.Perioperative nutritional support for esophageal cancer surgery
		The mechanism leading to postoperative recurrence of gastric and esophageal cancer
		Multidisciplinary treatment strategy for esophageal cancer
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Department	ndix 2	(As of Mar 2025)
		Name/Study Themes
Medical		d Biomedical Engineering
	Associate Professor	SUGIMOTO Yoshihisa
	110163301	1. Medical electronics
		2. Medical information system
N 41'1	C-C-L-CLi	3. Biomedical engineering for cardiology
iviedicai	Safety Section Professor	SHIMIZU Tomoharu
	110163301	
		1. Study of surgical stress 2. Day learnest of pay and storin measurement method.
		2. Development of new endotoxin measurement method
	Associate	3. Studies of treatment for colorectal cancer and inflammatory bowel diseases  MANDAI Ryoichi
	Professor	1. In-hospital emergency system
Center f	or Clinical Rese	earch and Advanced Medicine
	Professor	KASAMA Shu
		1. Healthcare management
		2. Medical sociology
		3. Pathophysiology using nuclear cardiology
ŀ	Associate	KURATA Mayumi
	Professor	1. A Recognition Investigation about Living Donor Transplantation: Analysis of the free description answer of the citizen by the Internet
		2. Construction of the study entry applicant support system which utilized the Internet
		3. Critical Review of Priority Relative-Offers in Revision of Organ Transplant Law
Clinical F	ducation Cent	rer for Physicians
	Professor	KAWASAKI Taku
		1. Hip and knee arthroplasty
		2. Epidemillogy of rheuamatoid arthritis
		3. Locomotive rehabilitation
	Special Contract	YAMAHARA Mako
	Associate Professor	1. Podocyte injury in diabetic kidney disease
		Mechanism of progression of chronic kidney disease
Departm	nent of Molecu	ılar Neuropathology, Molecular Neuroscience Research Center
	Professor	-
Translati	ional Research	Unit, Molecular Neuroscience Research Center
	Professor	ISHIGAKI Shinsuke
		1. Study of the pathogenesis involved in neurodegenerative disorders and dementia
		2. Therapeutics development for neurodegenerative disorders and dementia by antisense modulation
		3. Development for novel biomarkers for neurodegenerative disorders
	Associate	YANAGISAWA Daijiro
l		
1	Professor	Elucidation of Alzheimer's disease pathology for discovering novel therapeutic targets
	Professor	Elucidation of Alzheimer's disease pathology for discovering novel therapeutic targets     Development of diagnostic biomarkers for dementia at very early stage
	Professor	
Departm		2. Development of diagnostic biomarkers for dementia at very early stage
Departm		Development of diagnostic biomarkers for dementia at very early stage     Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases
Departm		Development of diagnostic biomarkers for dementia at very early stage     Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases
	nent of Biomed —	Development of diagnostic biomarkers for dementia at very early stage     Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases
	nent of Biomed —	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  dical MR Science, Molecular Neuroscience Research Center  —  —  —  —  —  —  —  —  —  —  —  —  —
	nent of Biomed — n Center for Ar	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  dical MR Science, Molecular Neuroscience Research Center  —  —  —  —  —  —  —  —  —  —  —  —  —
	nent of Biomed — n Center for Ar	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  dical MR Science, Molecular Neuroscience Research Center  ———————————————————————————————————
	nent of Biomed — n Center for Ar	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  dical MR Science, Molecular Neuroscience Research Center  ———————————————————————————————————
'	nent of Biomed — n Center for Ar	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  dical MR Science, Molecular Neuroscience Research Center  ———————————————————————————————————
'	nent of Biomed  - n Center for Ar Professor  Associate	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  dical MR Science, Molecular Neuroscience Research Center  ———————————————————————————————————
'	nent of Biomed — n Center for Ar Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  dical MR Science, Molecular Neuroscience Research Center
'	nent of Biomed  - n Center for Ar Professor  Associate	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  dical MR Science, Molecular Neuroscience Research Center
'	nent of Biomed	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  lical MR Science, Molecular Neuroscience Research Center
'	nent of Biomec  —  Center for Ar  Professor  Associate  Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  lical MR Science, Molecular Neuroscience Research Center
'	nent of Biomed	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  lical MR Science, Molecular Neuroscience Research Center
Research	nent of Biomed  —  n Center for Ar  Professor  Associate  Professor  Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases dical MR Science, Molecular Neuroscience Research Center
Research	nent of Biomed  —  n Center for Ar  Professor  Associate  Professor  Special Contract Associate Professor  grant Research D	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases dical MR Science, Molecular Neuroscience Research Center
Research	Associate Professor  Special Contract Associate Professor  Rg Research D Special Contract	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases dical MR Science, Molecular Neuroscience Research Center
Research	nent of Biomed  —  n Center for Ar  Professor  Associate  Professor  Special Contract Associate Professor  grant Research D	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  dical MR Science, Molecular Neuroscience Research Center
Research	Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases lical MR Science, Molecular Neuroscience Research Center
Research	Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  lical MR Science, Molecular Neuroscience Research Center
Research	Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases lical MR Science, Molecular Neuroscience Research Center
Research	Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases  lical MR Science, Molecular Neuroscience Research Center
Research	Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases lical MR Science, Molecular Neuroscience Research Center
Research	Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases lical MR Science, Molecular Neuroscience Research Center
Research	Associate Professor  Special Contract Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases licial MR Science, Molecular Neuroscience Research Center    Intervent
Research	Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor  Research D Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases licial MR Science, Molecular Neuroscience Research Center
Research	Associate Professor  Special Contract Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases licial MR Science, Molecular Neuroscience Research Center    The Science   EMA Masatsugu
Research	Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor  Research D Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases licial MR Science, Molecular Neuroscience Research Center
Research	Associate Professor  Special Contract Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases licial MR Science, Molecular Neuroscience Research Center    Inimal Life Science
Research	Associate Professor  Special Contract Associate Professor  Special Contract Associate Professor  Research D Special Contract Associate Professor  Research D Special Contract Associate Professor	2. Development of diagnostic biomarkers for dementia at very early stage 3. Research on the pathology, diagnosis, and disease-modifying therapy of neurodegenerative diseases licial MR Science, Molecular Neuroscience Research Center

Appei	ndix 2	(As of Mar 2025)
Department	Title	Name/Study Themes
Central I	Research Labor	atory
	Associate	ASAHINA Kinji
	Professor	1. Elucidating the mechanism of the activation of hepatic stellate cells in liver fibrosis
		2. Interaction of peritoneal macrophages and mesothelial cells covering the internal organs in the peritoneal cavity
		3. Role of macrophages in pancreatic cancer
Health A	dministration	
	Associate	OGAWA Emiko
	Professor	1. Research on the pathogenesis of chronic obstructive pulmonary disease (COPD)
		2. Clinical research using COPD cohort data
Informat	tion Technolog	y and Management Center
	Professor	ASHIHARA Takashi
		Development of new strategy of catheter ablation for refractory arrhythmias
		2. Studies on the mechanism of electrical defibrillation and the development of new defibrillator
		3. Application of human iPS cell-derived cardiomyocytes to the studies on cardiovascular diseases
		4. Studies on cardiovascular diseases by in silico, artificial intelligence, and biomedical engineering
	Associate	MOTOYAMA Kazutaka
	Professor	
		studies on star formation process     studies on evolution of interstellar medium
Гd+'-	n Contact for 1	3. high performance computing
Eancatio	Professor	ledicine and Nursing
	Professor	ITOH Toshiyuki
	Drofe	1. Medical education
	Professor	MUKAISHO Kenichi
		1. Gastric and esophageal carcinogenesis using various animal models
		2. Influence of bile acids on carcinogenesis and cancer progression
		3. Morphology of cancer cells using a novel 3D cell culture system
Division		Medicine, NCD Epidemiology Research Center
	Professor	MIURA Katsuyuki
		Epidemiologic research of cardiovascular diseases
		2. Preventive medicine of cardiovascular diseases
		3. Nutritional epidemiology
	Associate	KADOTA Aya
	Professor	1. Epidemiology of Diabetes mellitus and NCDs
		2. Epidemiology of Cardiovascular disease and subclinical atherosclerosis
		3. MWAS on Dementia
Division	of Advanced E	pidemiology, NCD Epidemiology Research Center
	Professor	
Division	of Medical Sta	tistics, NCD Epidemiology Research Center
	Associate	HARADA Akiko
	Professor	1. Statistical methods for epidemiologic researches
		2. Statistical methods for health services research
		3. Epidemiologic research of physical activity and aging
Commu	nity Healthcare	Education and Research Center
	Associate	UMEDA Tomoko
	Professor	1. Fibrinolysis factors (uPA etc.) and adhesion factors (CD44 variant etc.) related to the breast cancer invasion and the metastasis
		2. MRI mapping for the intraductal area of breast cancer
		3. Tumor infiltrating cells around of the breast cancer, related to the trastuzumab after neoadjuvant chemotherapy
	Associate	KAWAI Hiromichi
	Professor	(Now writing)
		(110 with 8)
IR Office		
in Office	_	I_
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D .	. 61	and the Office Records Administrative Office
кеsearcl		notion Office, Research Administration Office
	Special Contract	HAYAKAWA Koichi
	Associate Professor	
	Associate Professor	1. Research for regulatory mechanism of smooth muscle contraction.
	Associate Professor	<ol> <li>Research for regulatory mechanism of smooth muscle contraction.</li> <li>Drug discovery research for GPCR.</li> <li>Research for intellectual property management in university</li> </ol>

## 検定料振込用紙等

- ※1 下切り取り以下の用紙により、令和7年5月14日(水)から 6月4日(水)の期間に振り込んでください。
  - 2 右の台紙に「振込金受領証明書」を貼り付けたものを関係書類と 共に送付してください。

検定料納付確認書

この枠内に振り込み後の「振込金受領証明書」を貼り付けてください。

C

#### 振込金受領証明書 (大学提出用)

金 額 ¥30.000-受取人

#### 滋賀医科大学

(フリガナ) 志願者氏名

取扱銀行収納印



#### 振込金(兼手数料)受領書 (本人保存)

依東	頁日	年 月 日		
金	額	¥30,000-		
		滋 賀 銀 行・瀬田駅前支	店	
先 銀	方 行	関西みらい銀行・草津南支」	吉	
		三菱UFJ銀行・草 津 支 」	吉	
受耳	人人	滋賀医科大学		
志願者氏名(フリガナ)				
消費税込				
ト記の金額正に受取りました。 取扱銀行収納印				

上記の金額正に受取りました。

銀行

支店

В 手数料ご依頼人負担 振込依頼書 電信扱 科目 (取扱店保存) <sup>1</sup>0 右 依頼日 日 | 振 込 指 定 消費税込 電信扱 印言 手 数 料 預金種目 座 番 号 方 滋 賀 銀 行・瀬田駅前支店 普通 0146970 ¥30,000-金 額 関西みらい銀行・ 草津南 支店 普通 0514443 当手 枚 三菱UFJ銀行・草 津 支 店 普通 1102147 他手 > h \* ( h \$ \* ( h \* ) 受取人 大 学 医 志願者氏名(フリガナ):もれのないよう打電してください。 合 計 氏 名(漢字) 取扱銀行収納印 住 所 〒

#### ◎取扱銀行へのお願い

印 紙

- ①太線内を必ず打電してください。
- ②金額の訂正はできません。
- ③収納印は1・2・3にもれなく正確に押印し、A・C票は必ず依頼人にお返しください。
- ④滋賀銀行以外の銀行・信用金庫から振り込まれる場合は手数料が必要です。
- ⑤本振込依頼書は、令和7年6月5日以降は取り扱わないでください。



## **Contact for Admission Selection, etc.**

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