AY2024

Graduate School of Biomedical and Health Sciences

(Master's Course)

Division of Integrated Health Sciences

2024

Student Application Guidelines

[Special Selection for International Students] (Internet Interview)

For Students Living Outside Japan

October 2023

Hiroshima University

All dates and times mentioned are Japan Standard Time.

◆ Admission Policy

The Graduate School of Biomedical and Health Sciences seeks the following students with necessary basic academic ability, based on its diploma policy and curriculum policy:

1 Those who sympathize with the philosophy of Hiroshima University, and who are willing to contribute to building a global community that embraces diversity, freedom and peace by challenging problems that human society is facing or may face in the future utilizing their culture, prominent knowledge and highly skills in health sciences, and ability to take action

2 wide vision, prominent knowledge and research skills in health sciences, and who are willing to contribute to local and global communities by returning fruitful outcome from their study

2 Those who are willing to play an active part in fields of research / development of the innovative drug discovery company

3 Those who are willing to play an active part internationally in the field of medicinal sciences

In order to admit such individuals, the program selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using interviews, academic tests, and external examinations.

< Program of Public Health >

Based on its diploma policy and curriculum policy, the Program of Public Sciences seeks the following students:

1 Those who are willing to play an active part as a medical professional or a public health administrator with ability to implement EBM (evidence-based medicine)

2 Those who are willing to acquire specialized knowledge and skills in research method and evaluation, and to be engaged in solving problems in the fields of clinical practice, health, and medical administration

In order to admit such individuals, the program selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using interviews, academic tests, and external examinations.

< Program of Medical Physicist >

Based on its diploma policy and curriculum policy, the Program of Medical Physicist seeks the following students:

1 Those who are willing to acquire broad knowledge in medical physics

2 Those who are willing to be engaged in basic and clinical research in medical physics

3 Those who are willing to acquire specialized knowledge of medical physics, and to be engaged in professional operations, such as prevention of radiation disaster, and quality control of radiation equipment

4 Those who are willing to become medical physicists

In order to admit such individuals, the program selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using interviews, academic tests, and external examinations.

< Program of Biomedical Science >

Based on its diploma policy and curriculum policy, the Program of Biomedical Science seeks the following students:

1 Those who are willing to acquire broad knowledge in life and medical sciences, medicine, and dentistry

2 Those who are willing to be engaged in basic/applied researches in life and medical sciences, medicine, and dentistry

3 Those who are willing to promote basic medicine and dentistry research at institutions of education and research

4 Those who are willing to be engaged in research/development or medical operations in companies engaged in biotechnology, medical services and other medical businesses

5 Those who are willing to be engaged in medical operations as a research-oriented medical professional in a medical institution

In order to admit such individuals, the program selects applicants through a multifaceted and comprehensive evaluation process based on its own Diploma Policy and Curriculum Policy, using interviews, academic tests, and external examinations.

Privacy Policy

[mation, etc.) will be 40 G

2 Eligibility for Application

(1) Those who are non-Japanese citizens residing outside of Japan

(2) Those who graduated from a university or college

(3) with the provision in Paragraph 7 (22 26) 104 7

(4) Those who have completed a 16-year school curriculum education program in an overseas country 16

(5) Those who have earned the credit(s) of a correspondence course of education provided by a school of a foreign country in Japan and completed a 16-year school curriculum education program 16

(6) Those who have completed an undergraduate course at an educational institution in Japan that is deemed to have courses offered by an overseas university according to the educational system of that country, and that has also been designated by the Minister of Education, Culture, Sports, Science and Technology (such courses are limited to courses whose graduates are regarded as having completed 16 years of school education in the respective foreign country) (16)

(7) n (Institutions that have been evaluated by the government or by persons who have the approval of relevant organizations or designated separately to be an equivalent by MEXT.), which requires at least3 years for competition (Includes those who have completed correspondence courses in the specific subject from a foreign school while living in Japan or have completed a program at an educational institution in Japan that is part of the school education system of the specific country and that is separately designated by MEXT.) ( ) 3 ( )

(8) Those who have completed a special course in a special training college designated by MEXT (curriculum of four years and longer, only if satisfying criteria determined by MEXT) after the date designated by MEXT (4)

(9) Those appointed by MEXT (Ministry of Education Notice No. 5 of 1953) 28 5

(10) In accordance with the provision in Paragraph 2 of Article 102 of the Law, individuals who have enrolled at a graduate school, and who are recognized as having sufficient academic ability to study at the Graduate School 102 2

(11) Those who are recognized by the Graduate School as having academic ability equivalent or superior to those who have graduated from a university, and who have reached 22 years of age (such recognition is done on a case-by-case basis and is based on the qualifications of each applicants) 22

(12) Those who enrolled at a university or college for three years and longer (including those who are its equivalent from designated by MEXT as individuals with similar qualifications), and have obtained credits stipulated by the Graduate School with excellent marks 3 ( )

(13) Those who are expected to obtain one of the qualifications described above by March 31, 2024.

3 Preliminary Evaluation for Application Eligibility

Applications will be evaluated for their eligibility in advance, so please submit all required documents by post to the address shown on page 10 (See Address for Application and Inquiries . It must arrive at the Student Support Office **by 3:00 PM on Friday, October 27 2023.**
Then, applicants will be able to apply after receiving an evaluation result.

2023 10 27 3

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In case of applying for the same course in two years after passing the preliminary examination, the applicants shall be permitted to apply for the admission without retaking the preliminary examination.

2

(1) Documents required for submission

Applicants can download and use the prescribed form on the Hiroshima University website (https://www.hiroshima-u.ac.jp/bhs).
If, due to name change, etc., your current name is different from the name shown on the document you are providing, attach a copy of an official document issued by a public institution, such as a copy of your family register.

https://www.hiroshima-u.ac.jp/bhs

	Documents	Contents
	Application Form for the Preliminary Evaluation of the Entrance Examination	Please fill in the prescribed form.
	Certificate of Past Research Activity	Please fill in the prescribed form.
	Summary of Past Research and Clinical Activities etc.	Please fill in the prescribed form.
	List of Past Research Achievements	Please fill in the prescribed form.
	Certificate of Graduation, or Certificate of Expected Graduation ( )	Must be issued by the dean or president of the university or college.
	Those who have graduated or a current student of a university in China.	If you are a graduate or a current student of a university in China, please obtain the 历证书查询 (ht 毕业证书 硕 证书 (Bachelor/Master's (Graduates or current students from universities in other countries or regions <including Taiwan, Hong Kong and Macau> do not need to submit them.) Graduates: Online Verification Report of Higher Education Qualification Certificate (历证书电 备) Expected Graduates: Online Verification Report of Student Record(线验证报) Please note that applicants must pay the issuing fee for the Online Verification Report (2 / certificate) by themselves. Also be sure that there are 20 or more days left until the expiration date of the online verification at the time of its submission. “毕业证书” “证书” (历证书查询 http://www.chsi.com.cn/xlcx/bgys.jsp) ( ) Web 20 …… (历证书电 备) …… (线验证报)

1

*1: Please enter your name as shown in your passport.

2

*2: If you submit more than two certificate, write the numbers corresponding to that indicated on Summary of Past Research and Clinical Activities etc. at the left top.

3

*3: If certificates and other documents to be submitted are written in a language other than Japanese or English, then Japanese or English translations must be attached. Translations may be prepared by applicants.

(2) Decision to accept or refuse the application

Those who are approved shall receive a letter of recognition for application by November 24, 2023 Please keep this document safe until the entrance examination. Approved applicants must complete the necessary procedure (REFERENCE: 4.Application Procedure) in accordance within the specified timeframe.

2023 11 24

4

4 Application Procedure

(1) Application period

item	period Japan Standard Time
Data entry and application fee payment	Friday, November 24 Thursday, November 30, 3:00 PM, 2023, without exception 2023 11 24 2023 11 30
Submission period of application documents which must be mailed *For the mailing address of application documents, see page 10. 10	3

(2) Application Fee 30,000JPY 30,000円

Applicants will pay Application Fee by Online Application System. インターネット出願システムにより納入

Payment is not required for the Japanese Government Scholarship students. 国費外国人留学生は不要

(3) Application Methods

Applicants can apply through the following steps.

Online Application (All ①②③④ steps must be performed.)

インターネット出願（以下①, ②, ③, ④のすべての手続きを行います。）

Register with UCARO and obtain the necessary account to log in.

UCARO **アカウントを取得する**

Enter your information into the online form. 志望情報等を入力する

Pay the application fee online. 入学検定料を支払う

Mail the required documents to Student Support Group (Graduate Students), Graduate School of Biomedical and Health Sciences, Hiroshima University. (See "(5) Application documents.")

郵送が必要な出願書類を郵送する 「⑸出願書類等」を参照

(4) Procedure of Online Application

The Online Application Page is only accessible via the Entrance Examination Information Web Site of Hiroshima University.

Hiroshima University - Online Application Home

https://www.webshutsugan.com/hiroshima-u-en/portal/top/

https://www.hiroshima-u.ac.jp/en/nyugaku

https://www.webshutsugan.com/hiroshima-u/portal/top/

https://www.hiroshima-u.ac.jp/nyushi

The standards of the external English examinations designated by the Graduate School of Biomedical and Health Sciences

Division	Program		
Division of Integrated Health Sciences	Program of Health Sciences（the fields of health sciences）	400 over	400 over
	Program of Health Sciences（the fields of oral health sciences）	400 over	400 over
	Program of Medicinal Sciences	500 over	500 over
	Program of Public Health	400 over	400 over
	Program of Medical Physicist	500 over	500 over
	Program of Biomedical Science	400 over	400 over

Note1) Please contact us for any inquiries.
1
Note2) Any transcript from online exams at home is unacceptable.
2

(6) Others

The certificates to be submitted must be the originals or certified photocopies. Uncertified copies will not be recognized as official certificates. However, e-mail submissions are accepted as long as the documents are later replaced by official certificates.

Any forgery or falsification of the documents and/or academic fraud will result in cancellation of acceptance even after passing the entrance examination or being accepted for admission to the Graduate School, Hiroshima University.

If applicants cannot graduate from their current university before the admission date, they will not be admitted to the Graduate School, Hiroshima University.

5 Expected software to be used for internet interview and expected date, time and location

Date: December 6 December 7, 2023 (weekday) 12 6 12 7
Time: UTC 00:00 09:00 JST 09:00 18:00 UTC00:00-09:00

7 Standard Criteria for Marking, Evaluation, and Acceptance

Students shall be selected via interview based on their expected research theme. The admission committee shall evaluate students into 4 grades (A, B, C, and D). Students who are evaluated as D will fail to pass the examination.

4 A B C D D

8 Announcement of Successful Applicants

Monday, December 25, 2023 2023 12 25

A written notice will be sent to all successful applicants by e-mail.

9 Notes

(1) Changes to application documents are not accepted after the original application documents have been received.

(2) Application documents and fee cannot be returned/refunded for any reason.

(3) Personal information submitted upon application will not be used for any purpose other than for the admission selection.

(4) **Applicants must consult with a prospective academic supervisor before application.**

(5) **Uploading Photographs for Online Application**

The uploaded photo, which will be used for identification at the examination, will be also used for your student ID card after enrollment and will

Therefore, please upload an appropriate photo for use after enrollment as well.

Once uploaded, your photo will not be allowed to be replaced.A fee of JPY 1,000 will be charged for changing the content of your student ID card (photo and your name) after enrollment.

( ) 1,000

10 Admission Procedure

Successful applicants shall submit necessary documents and pay the specified fees within the period of the admission procedure. (Applicants will receive all relevant details regarding the submission of documents and the payment of fees in a separate correspondence).

For Reference

(1) Fee Admission Fee 282,000JPY

Tuition Fee (Per half year) 267,900JPY

(Per year) 535,800JPY

All fees paid are non-returnable.

The above fees are correct as of April 2023. Any changes to the tuition fee will be applied if the tuition fee is changed during the enrollment procedure.

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The admission fee and tuition fee will be waived for selected students based on Hiroshima Univ criteria and academic criteria. More details will be sent separately. We will notify you of the relevant details.

(2) Hiroshima University Excellent Student Scholarship

Hiroshima University offers the second semester tuition exemption system to students with an excellent academic performance. These students will be selected based on their research results and other achievements during the program.

11 Others

Smoke-free campus

Smoking has been prohibited entirely in all HU campuses from January, 2020.

2020 1

ecurity Export Control in accordance with the Foreign Exchange and Foreign Trade Act, and conducts strict examinations for acceptance of international students, etc. Therefore, please be advised that International applicants may be unable to receive their desired education or conduct their desired research due to the restriction by the above regulations.

Address for Application and Inquiries

Student Support Group (Graduate Students),
Graduate School of Biomedical and Health Sciences, Hiroshima University

1-2-3, Kasumi, Minami-Ku, Hiroshima, Japan (Zip 734-8553)
734-8553 2 3
TEL +81-82-257-1538 5051
E-mail: kasumi-gaku-g@office.hiroshima-u.ac.jp

Laboratories & Research Topics

*** If there is a description in the column of teachers scheduled to be instructed (scheduled to retire in March XX), you may not be able to receive guidance until the graduation. Be sure to consult with your desired academic advisor about retirement guidance.**

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Program of Health Sciences
the fields of oral health sciences

Professor	Contents of education and research
OHTA Koji TEL 082-257-5958 FAX 082-257-5945 E-mail otkouji@hiroshima-u.ac.jp Department of Public Oral Health	1 Study on promotion of oral health including perioperative oral care 2 Study on oral function in the elderly 3 Study on new prevention for oral diseases 4 Study on the activities promoting oral health at school
NAITO Mariko TEL 082-257-5959 FAX 082-257-5795 E-mail naitom@hiroshima-u.ac.jp Department of Oral Epidemiology	1 Epidemiological studies regarding associations between oral health and general health 2 Molecular epidemiology and gene-environmental interaction 3 Research for dysphagia patients and their caregivers 4 Quality of Life Patient-reported Outcome QOL/PRO research
TAKEMOTO Toshinobu TEL 082-257-5796 FAX 082-257-5945 E-mail takefn@hiroshima-u.ac.jp Department of Oral Health Management	1 Dental hygienists education 2 Research about dental hygienists occupation 3 Career formation of students 4 Infection control in dentistry
KAKU Masato TEL 082-257-5442 FAX 082-257-5797 E-mail mkaku@hiroshima-u.ac.jp Department of Anatomy and Functional Restorations	1 The effect of mechanical stress on bone remodeling 2 Study on tongue-palatal contact using an electropalatography during articulation 3 The effect of hyperbaric oxygen on bone remodeling
MURAYAMA Takeshi TEL 082-257-5428 FAX 082-257-5797 E-mail murayatk@hiroshima-u.ac.jp Department of Medical system Engineering	1 3D 3D Application of artificial intelligence and 3-d technologies(e.g., 3-d printing) to dentistry and medicine 2 Simulation-based analysis of work processes in dental technology 3 Presymptomatic diagnosis for ARONJ 4 Translational research
NIKAWA Hiroki TEL 082-257-5097 FAX 082-257-5097 E-mail hirocky@hiroshima-u.ac.jp Department of Oral Biology & Engineering	1 Application of probiotics to oral cavity 2 Denture plaque and denture cleansers 3 Bone metabolisms, incl. osteoclasts and osteoblasts 4 Design and application of antimicrobial peptides 5 Denture and cognitive function 6 Masticatory function and systemic function

Program of Health Sciences
the fields of health sciences

Professor	Contents of education and research
SHIMPUKU Yoko TEL 082-257-5345 FAX 082-257-5349 E-mail yokoshim@hiroshima-u.ac.jp Department of Global Health Nursing	1 Evaluation of midwifery education to improve maternal child health in Africa 2 Medical local knowledge to promote health in collaboration with Anthropology 3 Educational support to prevent teenage pregnancy and gender inequality 4 People-Centered Care Development of measurement tools and educational materials of People-Centered Care 5 Evaluation of a parenting support program based on development science
To be decided Department of Health Informatics	
ORIYAMA Sanae TEL 082-257-5355 FAX 082-257-5355 E-mail oriyama@hiroshima-u.ac.jp Department of Fundamental Nursing	1 Research for labor management system of nurse 2 Research on fundamental nursing technique 3 Research for nursing practice and continuing education 4 Research for stress management of nurse
To be decided Department of Midwifery and Maternal-Child Nursing	

MORIYAMA Michiko
TEL 082-257

To be decided Department of Integrative Physiology	
MIYAGUCHI Hideki TEL 082-257-5440 FAX 082-257-5444 E-mail hmiya@hiroshima-u.ac.jp Department of Human Behavior Science of Occupational Therapy	1 Evidence Based Occupational Therapy 2 Risk perception and Risk communication 3 Occupational Therapy for the pediatrics 4 Neuro behavior rehabilitation
KIRIMOTO Hikari TEL 082-257-5445 FAX 082-257-5445 E-mail hkirimoto@hiroshima-u.ac.jp Department of Sensorimotor Neuroscience	1 Non-invasive brain stimulation to facilitate the treatment of various neurological disorders 2 Neural basis of precise hand movement
OKAMURA Hitoshi TEL 082-257-5450 FAX 082-257-5454 E-mail hokamura@hiroshima-u.ac.jp Department of Psychosocial Rehabilitation	1 Cancer rehabilitation 2 Rehabilitation for older adults with or without dementia 3 Rehabilitation for patients with mental disability
SUNAGAWA Toru TEL 082-257-5455 FAX 082-257-5455 E-mail torusuna@hiroshima-u.ac.jp Department of Analysis and Control of Upper Extremity Function	1 Analysis of the relationship between hand and brain for the hand rehabilitation 2 Three-dimensional motion analysis of the hand 3 Analysis of muscle synergy for upper extremity function
HANAOKA Hideaki TEL 082-257-5400 FAX 082-257-5400 E-mail hhanaoka@hiroshima-u.ac.jp Department of Gerontological and Community-Based Occupational Therapy	1 Research of care prevention for community-dwelling elderly people 2 Research of frail elderly people 3 QOL Research of elderly people with dementia
MATANI Ayumu TEL 082-257-1722 FAX 082-257-1723 E-mail matani@hiroshima-u.ac.jp Department of Brain Function Imaging	1 Intervention in emotional processes in the brain with transcranial Extracellular Impedance Control (tEIC) 2 Intervention in conflict processes in the brain with tEIC 3 fMRI fMRI study on neural effects of tEIC 4 fMRI study on the neural basis of KANSEI information processing 5 fMRI study on the neural basis of visual imagery generation and manipulation

Program of Medicinal Sciences

Professor	Contents of education and research
NOMURA Wataru TEL 082-257-5308 FAX 082-257-5309 E-mail wnomura@hiroshima-u.ac.jp Department of Genome and Biomolecular Engineering for Drug Discovery	1 DNA Genome editing using DNA recombinases 2 Suppression of off-target effects for precise genome editing 3 DNA Epigenome editing using DNA methylases 4 Gene regulation by artificial transcription factors 5 Chemical biology by protein engineering and genome editing 6 Visualization of in situ protein dynamics using fluorescent imaging 7 BRET BRET-based compound screening for drug discovery 8 Roles of phosphoinositides in signal transduction system 9 Roles of phosphoinositides in intracellular vesicular trafficking
KOTAKE Yaichiro TEL 082-257-5325 FAX 082-257-5329 E-mail yaichiro@hiroshima-u.ac.jp Department of Neurochemistry and Environmental Health Sciences	1 Neurotoxic mechanism of environmental chemicals and its evaluation 2 -related neurotoxic chemicals 3 Metabolism, toxicity and human prediction of chemicals including pharmaceuticals 4 Neurotoxicity and metabolism of designer drugs
TAHARA Hidetoshi TEL 082-257-5290 FAX 082-257-5294 E-mail toshi@hiroshima-u.ac.jp Department of Cellular and Molecular Biology	1 Molecular mechanism of cellular senescence and cancer 2 G-tail Development of anti-cancer drug targeting telomere G-tail 3 G-tail

To be decided Department of Frontier Science for Pharmacotherapy	

OZAWA Koichiro
TEL 082-257-5332
FAX 082-257-5332
E-mail ozawak@hiroshima-u.ac.jp

Department of Pharmacotherapy
2025 3
Retirement at the end of March 2025

( ) YANASE Yuhki
（Associate professor）
E-mail yyanase@hiroshima-

UCHIDA Yasuo TEL 082-257-5315 E-mail yuchida@hiroshima-u.ac.jp Department of Pharmaceutics and Therapeutics	1 The study using human brain tissue to clarify molecular mechanisms of brain disorders 2 Drug transport study for human central nervous system (CNS) barrier and drug delivery to the brain 3 Elucidation of pathological molecular mechanisms of CNS barrier using next generation quantitative proteomics 4 Development of novel proteomics techniques and big data analysis 5 Disease biomarker study using highly sensitive and precise quantitative proteomics

MATSUO Hiroaki
TEL 082-257-5570
FAX 082-257-5598
E-mail hmat/MCID 95//Lang (ennBT/F5 9 Tf1

Program of Biomedical Science

Professor	Contents of education and research
IKEGAMI Koji TEL 082-257-5110 FAX 082-257-5114 E-mail k-ikegami@hiroshima-u.ac.jp Department of Anatomy and Developmental Biology AIZAWA Hidenori TEL 082-257-5115 E-mail haizawa@hiroshima-u.ac.jp	We explore the morphological and functional changes of cells or cellular populations. We manipulate mammalian cells and avian embryos as experimental materials using technologies such as genome editing and microsurgery to observe response of cells, tissues, or organs to changes of the environment/state or over time in a multidimensional manner. In addition, we explore biological evolution, focusing on gametes.

TAKESHIMA Yukio TEL 082-257-5150 FAX 082-257-5154 E-mail ykotake@hiroshima-u.ac.jp Department of Pathology	Exploring biological natures of human cancers, especially lung cancer and malignant mesothelioma for accurate pathological diagnosis and adequate therapy
SAKAGUCHI Takemasa TEL 082-257-5157 FAX 082-257-5159 E-mail tsaka@hiroshima-u.ac.jp Department of Virology	We investigate the mechanism of propagation and pathogenicity of viruses, such as paramyxovirus, influenza virus and hepatitis B virus, seeking preventive and therapeutic measures to virus infection.
To be decided Department of Epidemiology, Infectious Disease Control and Prevention	
KUBO Tatsuhiko TEL 082-257-5165 FAX 082-257-5169 E-mail tkubo@hiroshima-u.ac.jp Department of Public Health and Health Policy	1 Disaster Public health, social systems including health policy and health administration to protect health during emergencies and disasters 2 Occupational Health, epidemiological study of shift work and other occupational exposures 3 Emergency Medical Team (EMT), Daily reporting by the EMT such as the WHO EMT Minimum Data Set
NAGAO Masataka TEL 082-257-5170 FAX 082-257-5174 E-mail nagao@hiroshima-u.ac.jp Department of Forensic Medicine	Analysis noncholinergic mechanism of new organic phosphorus compounds
NAMERA Akira TEL 082-257- 5172 FAX 082-257-5172 E-mail namera@hiroshima-u.ac.jp Department of Forensic Medicine	1 / Development of new analytical methods and procedures by using a mass spectrometry 2 / Estimation of intaken drugs by a drug metabolite profiling 3 / Development of new quick laboratory procedures to medical toxicant 4 / Analysis of drug ingestion history 5 / Identifying of ingredients of poisonous plants
YASUDA Tomoharu TEL 082-257-5175 FAX 082-257-5179 E-mail yasudat@hiroshima-u.ac.jp Department of Immunology	1 The antigen receptor and mediated signals in the immune system 2 The regulation of immune cell division limit and hematological malignancy 3 The regulation of immune cell lifespan 4 The immune surveillance to viral infection and cancer 5 The allergic diseases and immune tolerance 6 The gene therapy of primary immunodeficiency
OKADA Satoshi TEL 082-257-5210 FAX 082-257-5214 E-mail sokada@hiroshima-u.ac.jp Department of Pediatrics	1 Diagnosis of congenital malformations with comprehensive genomic analysis 2 Molecular analyses of pediatric malignancies 3 M ultiomics based improvement of diagnostic yield in primary immunodeficiency diseases
To be decided Department of Calcified Tissue Biology	

TERAYAMA Ryuji
TEL 082-257-5623
FAX 082-257-5689
E-mail ryujit@hiroshima-u.ac.jp

Department of Maxillofacial Anatomy and
Neuroscience

TAKAHASHI Ichiro TEL 082-257-5650 FAX 082-257-5650 E-mail snatum@hiroshima-u.ac.jp Department of Mucosal Immunology 2025 3 Retirement at the end of March 2025 ( ) TOBIUME Kei （Associate professor） E-mail tobi5651@ hiroshima-u.ac.jp	Molecular and cellular analysis for the creation and maintenance of physiological inflammation in the mucosa-associated peripheral tissues
FUJII Makiko TEL 082-257-1503 FAX 082-257-1572 E-mail fujiim@hiroshima-u.ac.jp Department of Genomic Oncology and Oral Medicine	1 Development of molecular target therapy for cancer 2 Establishment of cancer treatment using heavy ion radiotherapy 3 Research on mechanisms of squamous cell carcinoma invasion and metastasis 4 TGF- β TGF- 5 Research and development of educational methods in health care professional education
YOSHINAGA Shinji TEL 082-257-5852 FAX 082-256-7106 E-mail syoshinaga@hiroshima-u.ac.jp Department of Environmetrics and Biometrics	Evaluation of health effects of ionizing radiation such as cancer and non-cancer diseases by epidemiological approaches, and development and application of statistical methods in the bio-medical fields

KAMINUMA Osamu TEL 082-257-5819 FAX 082-257-1556 E-mail okami@hiroshima-u.ac.jp Department of Disease Model	Clarification of cellular and molecular mechanisms and development of novel diagnostic and therapeutic methods for allergic and immunological diseases by using innovative somatic cell nuclear transfer and genetic modification technologies.
MATSUURA Shinya TEL 082-257-5809 FAX 082-256-7101 E-mail shinya@hiroshima-u.ac.jp Department of Genetics and Cell Biology	DNA Our research aim is to elucidate the molecular mechanisms of genome stability and maintenance.
To be decided Department of Molecular Oncology	
To be decided Department of Experimental Oncology	
HIROHASHI Nobuyuki TEL 082-257-5839 FAX 082-256-7105 E-mail hirohasi@hiroshima-u.ac.jp Department of Radiation Disaster Medicine	We focus on the mechanisms of host-defense against radiation and hypoxia in basic and clinical fields including developments for molecular targeting therapies against radiation damages and cancer by genomic research on hypoxic signals, and new approaches of the establishment of nuclear disaster medical systems.
HIGASHI Yukihito TEL 082-257-5831 FAX 082-257-5831 E-mail yhigashi@hiroshima-u.ac.jp Department of Regenerative Medicine	We are investigating (1) the development of cell therapy, cell repair, and angiogenic biology for regenerative medicine, (2) repair system of genome damage induced by radiation in endothelial cells, (3) role of endothelial cells/endothelial progenitor cells in atherosclerosis, (4) human disorders lacking critical cellular defense against genome damage.
MIHARA Naoki TEL 082-257-1943 FAX 082-257-1701 E-mail naoki-mihara@hiroshima-u.ac.jp Department of Medical Informatics and Systems Management	1 Characteristics of medical information and its system 2 Medical supporting system 3 Function, implementation and operation, evaluation and improvement of hospital information system 4 Standardization of medical information 5 Data management and analysis, and utilization in the field of health and welfare 6 Information security and personal information protection 7 Information processing technology and application in medicine 8 Human resource development in medical informatics
HINOI Takao TEL 082-257-2019 FAX 082-257-2019 E-mail thinoi@hiroshima-u.ac.jp Department of Genetic Medicine	1 Surveillance and development of treatment based on cancer genome profiling analysis in solid tumor 2 Development of genetic counseling and surveillance system for hereditary cancer syndrome 3 Research for Ethical, Legal and Social Issues ELSI of genome medicine to improve genome medicine literacy 4 Investigation of molecular genetics and molecular pathology of hereditary cancer syndrome 5 Analysis of mechanism in colorectal cancer development, invasion, and metastasis based on subtype classification, and establishment of disease model for colorectal cancer

OGAWA Keiko TEL 082-257-1921 FAX 082-257-2021 E-mail okeiko22@hiroshima-u.ac.jp Department of Kampo （Japanese Traditional） Medicine	1 The effect of Kampo medicine on lymphatic malformations 2 COVID-19 The effect of Kampo medicine on COVID-19 3 The effects of direct moxibustion on immune function 4 Functional dyspepsia: FD The therapeutic effect of Kampo medicine on Functional Dyspepsia (FD) 5 The effect of daiobotanpito on colon diverticulitis 6 Influence of Kampo medicine on blood coagulation 7 Investigation of changes in immune cell function induced by Kampo medicine in patients with solid cancers 8 Development of a diagnostic system focusing on Kampo medicine diagnosis 9 The effect of goreisan on trigeminal neuralgia 10 The effect of contact needle therapy (acupuncture) on fatigue in cancer patients hospitalized for palliative care 11 The effect of acupuncture treatment for cancer patients with chemotherapy-induced neuropathy 12 The efficacy of Kampo medicine for Nonalcoholic steatohepatitis (NASH) 13 The effect of acupressure on pediatric cancer patients 14 Research on Traditional medicine classics
KAWAGUCHI Hiroyuki TEL 082-257-5748 FAX 082-257-5717 E-mail hkawarp@hiroshima-u.ac.jp Department of Dental Education	1 Development of novel curriculum for dental education 2 Development of effective learning methods for clinical competencies 3 Development of novel assessments for clinical competencies 4 Epidemiological studies on clinical evaluation of perioperative oral management 5

SUGIYAMA Daisuk
TEL 082-257-1949
FAX 082-257-1993
E-mail cedarmt@hiroshima-u.ac.jp

Department of Translational Research

1

Drug target Identification using animal models and human cells

2 mode of action

Analysis of mode of action using animal models and human cells

3

Pre-

— Genetic Counselor Training Course

Professor	Contents of education and research
HINOI Takao TEL 082-257-2019 FAX 082-257-2019 E-mail thinoi@hiroshima-u.ac.jp Department of Genetic Medicine	1 Surveillance and development of treatment based on cancer genome profiling analysis in solid tumor 2 Development of genetic counseling and surveillance system for hereditary cancer syndrome 3 Research for Ethical, Legal and Social Issues ELSI of genome medicine to improve genome medicine literacy 4 Investigation of molecular genetics and molecular pathology of hereditary cancer syndrome 5 Analysis of mechanism in colorectal cancer development, invasion, and metastasis based on subtype classification, and establishment of disease model for colorectal cancer
OKADA Satoshi TEL 082-257-5210 FAX 082-257-5214 E-mail sokada@hiroshima-u.ac.jp Department of Pediatrics	1 Diagnosis of congenital malformations with comprehensive genomic analysis 2 Molecular analyses of pediatric malignancies 3 M ultiomics based improvement of diagnostic yield in primary immunodeficiency diseases
OKAMURA Hitoshi TEL 082-257-5450 FAX 082-257-5454 E-mail hokamura@hiroshima-u.ac.jp Department of Psychosocial Rehabilitation	1 Psychosocial aspects of genetic testing for hereditary cancer 2 Cancer rehabilitation