

AY2024

Graduate School of Biomedical and Health Sciences

Division of Integrated Health Sciences

2024

Student Application Guidelines

[Special Selection for International Students] (Internet Interview)

For Students Living Outside Japan

April 2024

Hiroshima University

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あ All dates and times mentioned are Japan Standard Time.

◆ Admission Policy ほイズ ノブジ プ

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 Those who have 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
- 3 Those who are willing to realize sustainable and inclusive society by acquiring deep understanding about diversity and global communication skills -level education and research environment and that attracts students from all over the world, including youth with full of curiosity and adults who are enthusiastic about learning again

In order to admit such individuals, our graduate school 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 Health Sciences ゲトラツセ >

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

- 1 Those who are willing to acquire rich and broad knowledge in health sciences (science in nursing, health sciences, oral health and oral engineering)
- 2 Those who are willing to acquire problem solving ability to address the increasingly complicated issues of health sciences (science in nursing, health sciences, oral sciences and oral engineering) in the society
- 3 Those who are willing to acquire abilities to practice advanced health science research (nursing, health sciences, oral health and oral engineering)

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 Medicinal Sciences ゲトラツセ >

Based on the diploma policy and curriculum policy, Program of Medicinal Sciences is seeking the following students:

- 1 Those who are willing to acquire basic knowledge widely in drug discovery / life sciences research

- 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 ゲトラツセ >

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 ゲトラツセ >

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 ゲトラツセ >

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

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- 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.

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) Those who have completed a 16-year school curriculum education program in an overseas country with the provision in Paragraph 7 of Article 104 of the Education Act (such courses are limited to courses whose graduates are regarded as having completed 16 years of school education in the respective foreign country)
- (4) Those who have completed a 16-year school curriculum education program in an overseas country
- (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
- (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)
- (7) 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
- (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
- (9) Those appointed by MEXT (Ministry of Education Notice No. 5 of 1953)
- (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
- (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)

(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

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(13) Those who are expected to obtain one of the qualifications described above by September 30, 2024.

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Note : Those who enter the program under the above eligibility criterion (12) after having been enrolled at a university at least for four years but not having graduated will be regarded as having left the university without graduation. a) Applicants must have earned more than 80% of all credits necessary for graduation from university by the end of the third year. b) Grades of more than 90% of all credits that applicants

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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 11 (See Address for Application and Inquiries). It must arrive at the Student Support Office **between Monday, April 8, 2024 and Friday, April 26, 2024 by 3:00 PM.**

Then, applicants will be able to apply after receiving an evaluation result.

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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.

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(1) Documents required for submission

Applicants can download and use the prescribed form on the Hiroshima University website (<https://www.hiroshima->

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

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*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.

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*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 May 24, 2024. 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.

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4 Application Procedure

(1) Application period

item	period Japan Standard Time
Data entry and application fee payment ノ プエ イ	Friday, May 24 Thursday, May 30, 3:00 PM, 2024, without exception
Submission period of application documents which must be mailed 〒	2024 5 24 】 つ2024 5 30 3 すあ

*For the mailing address of application documents, see page 11.

(5) Application documents

Applicants must submit all the documents listed below within the above stated Application Period.

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About 1,200 words in English

- (A) Statement of motivation for application

The English Language Proficiency Tests designated by the Graduate School of Biomedical and Health Science

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

Note1) Please contact us for any inquiries.

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Note2) Any transcript from online exams at home is unacceptable.

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(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.

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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.

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

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

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Date: Wednesday, June 5 and Thursday, June 6, 2024 2024 6 5 6 6

Time: UTC 00:00 09:00 JST 09:00 18:00 UTC00:00-09:00 JST09:00-18:00

Interviews relating to expected educational subjects and research abilities will be conducted through Zoom or other software.

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A connection test shall be conducted before the examination. (Date, time and location shall be informed separately.) The date and time of the interview will be arranged within the university and each applicant will be contacted.

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6 Student Selection Method (Academic Examinations)

Interview (in English) — Conducted by several professors etc. うって

7 Standard Criteria for Marking, Evaluation, and Acceptance プ

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.

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8 Announcement of Successful Applicants

Friday, June 28, 2024 2024 6 28

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

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9 Notes

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

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

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

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

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- (5) **Uploading Photographs for Online Application** ノ プエ イ ほ ゲトプイ う

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

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

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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.

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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).

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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.

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The above fees are correct as of April 2024. 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

criteria and academic criteria. More details will be sent separately. We will notify you of the relevant details.

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11 Others

Smoke-free campus

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

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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.

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Address for Application and Inquiries

Student Support Group (Graduate Students),

Graduate School of Biomedical and Health Sciences, Hiroshima University

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1-2-3, Kasumi, Minami-Ku, Hiroshima, Japan (Zip 734-8553)

734-8553

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TEL +81-82-257-1538

E-mail: kasumi-gaku-g@office.hiroshima-u.ac.jp

Laboratories & Research Topics

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* 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.

3

ゲトラツセ Program of Health Sciences the fields of oral health sciences

Professor	ブ Contents of education and research
<p style="text-align: center;">OHTA Koji</p> <p>TEL 082-257-5958 FAX 082-257-5945 E-mail otkouji@hiroshima-u.ac.jp</p> <p>Department of Public Oral Health</p>	<p>1 せうて Study on promotion of oral health including perioperative oral care</p> <p>2 うて Study on oral function in the elderly</p> <p>3 うて Study on new prevention for oral diseases</p> <p>4 うて Study on the activities promoting oral health at school</p>
<p style="text-align: center;">NAITO Mariko</p> <p>TEL 082-257-5959 FAX 082-257-5795 E-mail naitom@hiroshima-u.ac.jp</p> <p>Department of Oral Epidemiology</p>	<p>1 うて Epidemiological studies regarding associations between oral health and general health</p> <p>2 Molecular epidemiology and gene-environmental interaction</p> <p>3 【っうて Research for dysphagia patients and their caregivers</p> <p>4 Quality of Life【っ Patient-reported Outcomeうて QOL/PRO research</p>
<p style="text-align: center;">TAKEMOTO Toshinobu</p> <p>TEL 082-257-5796 FAX 082-257-5945 E-mail takefn@hiroshima-u.ac.jp</p> <p>Department of Oral Health Management</p>	<p>1 うて Dental hygienists education</p> <p>2 うて Research about dental hygienists occupation</p> <p>3 ゾほうて Career formation of students</p> <p>4 う【て うて Infection control in dentistry</p>
<p style="text-align: center;">KAKU Masato</p> <p>TEL 082-257-5442 FAX 082-257-5797 E-mail mkaku@hiroshima-u.ac.jp</p> <p style="text-align: center;">ブ</p> <p>Department of Anatomy and Functional Restorations</p>	<p>1 ゼヤウヤテをイデを〒 うし The effect of mechanical stress on bone remodeling</p> <p>2 めデよイト ツイラツグぼブ うて Study on tongue-palatal contact using an electropalatography during articulation</p> <p>3 〒 うし The effect of hyperbaric oxygen on bone remodeling</p>
<p style="text-align: center;">MURAYAMA Takeshi</p> <p>TEL 082-257-5428 FAX 082-257-5797 E-mail murayatk@hiroshima-u.ac.jp</p> <p style="text-align: center;">をアセ</p> <p>Department of Medical system Engineering 2026 3 Retirement at the end of March 2026</p>	<p>1 3D 3Dゲ ノアぼらい こ Application of artificial intelligence and 3-d technologies(e.g., 3-d printing) to dentistry and medicine</p> <p>2 ズダデブ ノうって ゲトを Simulation-based analysis of work processes in dental technology</p> <p>3 Presymptomatic diagnosis for ARONJ</p> <p>4 イツノをデブ テ ブ Translational research</p>
<p style="text-align: center;">NIKAWA Hiroki</p> <p>TEL 082-257-5097 FAX 082-257-5097 E-mail hirocky@hiroshima-u.ac.jp</p> <p>Department of Oral Biology & Engineering</p>	<p>1 ゲトカ アぼよを こ Application of probiotics to oral cavity</p> <p>2 カ グぼテセ Denture plaque and denture cleansers</p> <p>3 Bone metabolisms, incl. osteoclasts and osteoblasts</p> <p>4 サゲ イうって ブ Design and application of antimicrobial peptides</p> <p>5 〒 うて Denture and cognitive function</p> <p>6 〒 うし Masticatory function and systemic function</p>

ゲトラツセ Program of Health Sciences
the fields of health sciences

Professor	ブ Contents of education and research
To be decided ブ Department of Midwifery and Maternal-Child Nursing	
To be decided Department of Pediatric Nursing	

SHIMPUKU Yoko

TEL 082-257-5345

FAX 082-257-5349

E-mail y8.064 564.82 Tm0 G{y}60(8.064 564.

<p>TANABE Kazuaki TEL 082-257-5380 FAX 082-257-5384 E-mail ktanabe2@hiroshima-u.ac.jp はばやテリほ Department of Perioperative and Critical Care Management</p>	<p>1 【っ ブ う て Research on Peri-operative Management and Post-operative Complications and Functional Disorders 2 ゼ シ よ ノ イ ト プ セ う て Research on Pathophysiology and Treatments of Metabolic diseases 3 ーの う【 て う て Research on Supportive care during Cancer Therapy 4 ーの QOLう て Research on QOL in Patients with various Cancer</p>
<p>To be decided の Department of Gerontological and Oncology Nursing</p>	
<p>To be decided Department of Mental Health and Psychiatric Nursing</p>	
<p>URABE Yukio TEL 082-257-5405 FAX 082-257-5405 E-mail yurabe@hiroshima-u.ac.jp をジブ オギ アプ ノ Department of Sports Rehabilitation 2025 3 Retirement at the end of March 2025 MAEDA Noriaki (Associate professor) E-mail norimmi@hiroshima-u.ac.jp</p>	<p>1 ほを プ イ う てをジブ ブ ー オギ アプ ノ Research for sports injury and rehabilitation 2 う て ースoutcome い Research about muscle strength, joint mobility, proprioceptive function, analysis for human functional movement, and its outcome measurement 3 ノク よ ブ ツ ノク よう ー をジブ Research and support for disabled sports to Olympic/ Paralympic game for Tokyo 2020 4 う ACL をジブ Sports injury prevention Knee joint, Ankle joint, Shoulder joint, and low back pain 5 いそ】 つ ー Physical fitness for adolescent and elderly peoples 6 う Social recovery research after disaster 7 ブ う て ブ New development for welfare equipment and patent</p>
<p>To be decided Department of Anatomy and Histology</p>	
<p>TAKAHASHI Makoto TEL 082-257-5415 FAX 082-257-5344 E-mail mako2@hiroshima-u.ac.jp ブ Department of Biomechanics</p>	<p>1 カ ゼヤウよを Biomechanics of human movements 2 Neural control of human gait and posture 3 ブ ゼヤウんセ Mechanisms of fall and fall prevention strategies in elderly and/or physically-disabled persons</p>
<p>HAMADA Hironobu TEL 082-257-5420 FAX 082-257-5344 E-mail hirohamada@hiroshima-u.ac.jp Department of Physical Analysis and Therapeutic Sciences</p>	<p>1 オギ アプ ノう て Study of pulmonary rehabilitation 2 う て Study of rehabilitation for internal diseases 3 う【 て う て Study of exercise for health promotion</p>
<p>FUJITA Naoto TEL 082-257-5423 FAX 082-257-5423 E-mail fujitan@hiroshima-u.ac.jp Department of Bio-Environmental Adaptation Sciences</p>	<p>1 Influence of childhood exercise and detraining in adulthood 2 ー Complementary and alternative therapy for exercise training 3 いそ How does dislike for physical activity contribute to childhood obesity?</p>

<p>URAKAWA Susumu TEL 082-257-5430 FAX 082-257-5430 E-mail urakawas@hiroshima-u.ac.jp</p> <p>Department of Musculoskeletal Functional research and regeneration</p>	<p>1 オギ アブ ノ Brain activity during the rehabilitative motor-task 2 ら ず オギ アブ ノ How the physiotherapy improve the musculoskeletal functions including the muscular pain 3 】 う 「 The effects of enriched environment on brain plasticity 4 た う 「 ズィれノイほ う て オギ アブ ノ Development of the rehabilitation therapy for skeletal muscle mitochondrial dysfunction with heart failure and diabetes</p>
<p>To be decided</p> <p>Department of Integrative Physiology</p>	
<p>To be decided</p> <p>Department of Human Behavior Science of Occupational Therapy</p>	
<p>KIRIMOTO Hikari TEL 082-257-5445 FAX 082-257-5445 E-mail hkirimoto@hiroshima-u.ac.jp</p> <p>Department of Sensorimotor Neuroscience</p>	<p>1 うって Non-invasive brain stimulation to facilitate the treatment of various neurological disorders 2 キィ ず う て Neural basis of precise hand movement</p>
<p>OKAMURA Hitoshi TEL 082-257-5450 FAX 082-257-5454 E-mail hokamura@hiroshima-u.ac.jp</p> <p>Department of Psychosocial Rehabilitation</p>	<p>1 𠄎の オギ アブ ノ Cancer rehabilitation 2 せ う て オギ アブ ノ Rehabilitation for older adults with or without dementia 3 う て オギ アブ ノ Rehabilitation for patients with mental disability</p>
<p>SUNAGAWA Toru TEL 082-257-5455 FAX 082-257-5455 E-mail torusuna@hiroshima-u.ac.jp</p> <p>Department of Analysis and Control of Upper Extremity Function 2026 3 Retirement at the end of March 2026</p>	<p>1 う て こ うって オギ アブ ノ Analysis of the relationship between hand and brain for the hand rehabilitation 2 Three-dimensional motion analysis of the hand 3 う そ 「 プ Analysis of muscle synergy for upper extremity function</p>
<p>HANAOKA Hideaki TEL 082-257-5400 FAX 082-257-5400 E-mail hhanaoka@hiroshima-u.ac.jp</p> <p>Department of Gerontological and Community-Based Occupational Therapy</p>	<p>1 う て Research of care prevention for community-dwelling elderly people 2 グデ テ う て Research of frail elderly people 3 う て QOL プ う て Research of elderly people with dementia</p>
<p>MATANI Ayumu TEL 082-257-1657 FAX 082-257-1723 E-mail matani@hiroshima-u.ac.jp</p> <p>Department of Brain Function Imaging</p>	<p>1 ノクブ ノを こ Intervention in emotional processes in the brain with transcranial Extracellular Impedance Contr0 0 1 62</p>

<p>OZAWA Koichiro TEL 082-257-5332 FAX 082-257-5332 E-mail ozawak@hiroshima-u.ac.jp</p> <p>Department of Pharmacotherapy 2025 3 Retirement at the end of March 2025</p> <p>YANASE Yuhki (Associate professor) E-mail yyanase@hiroshima-u.ac.jp</p>	<p>1 て Clinical pharmaceutical researches that support the proper use of pharmaceutical products</p> <p>2 をイデを う て Elucidation of the mechanisms of stress responses and drug targets</p> <p>3 う【 て う て The research of clinical drug assessment</p> <p>4 ブ ソウ ノら The development of new methods to assess drug efficacy and drug monitoring</p> <p>5 やテ みセ ソエテ う て The research about functions and disease therapy of the store operated calcium channel</p>
<p>KURODA Teruo TEL 082-257-5655 FAX 082-257-5655 E-mail tkuroda@hiroshima-u.ac.jp</p> <p>Department of Microbiology</p>	<p>1 プん プる イ Screening of seed compounds which has antimicrobial activity and Identification of its action target</p> <p>2 Study of antiseptic resistance mechanism</p> <p>3 Study of emergence of multidrug resistant bacteria</p> <p>4 Study of tolerance for Na⁺ in marine bacteria</p> <p>5 た プる イ Structural study of microbial useful enzymes for the industrial application and target proteins for the drug development</p> <p>6 で Functional analysis of antibiotic biosynthetic genes from actinomycetes and its application for the production of useful compounds</p>
<p>MATSUNAMI Katsuyoshi TEL 082-257-8553 FAX 082-257-8553 E-mail matunami@hiroshima-u.ac.jp</p> <p>Department of Pharmacognosy</p>	<p>1 う すでて プ ダスウほ Phytochemical study of anti-Leishmania compounds</p> <p>2 う て Natural products chemistry of marine organisms</p> <p>3 Analysis of chemical structure by spectroscopic techniques</p>
<p>NAGASE Kenichi TEL 082-257-5323 FAX 082-257-5323 E-mail nagase@hiroshima-u.ac.jp</p> <p>Department of Functional Molecular Science</p>	<p>1 Purification technology of antibody drugs using functional polymers.</p> <p>2 うって Separation method of therapeutic cells by temperature-modulation</p> <p>3 Analytical methods using functional polymers</p> <p>4 グもを ら Phos-tag technologies for proteomics</p>
<p>KUMAMOTO Takuya TEL 082-257-5184 FAX 082-257-5184 E-mail tkum632@hiroshima-u.ac.jp</p> <p>Department of Synthetic Organic Chemistry</p>	<p>1 そ Synthetic study toward biologically active natural products with complex structures</p> <p>2 う プ Design, synthesis and biological evaluation of probe compounds for the development of medicinal chemistry</p>
<p>MORIOKA Norimitsu TEL 082-257-5310 FAX 082-257-5314 E-mail mnori@hiroshima-u.ac.jp</p> <p>Department of Pharmacology</p>	<p>1 ゼヤウンセ The mechanisms of induction and maintenance of chronic pain</p> <p>2 ゼヤウンセ The mechanisms of induction of mood disorders</p> <p>3 ほテ オ スプ う【 てら ほ う て The role of glial cells in induction of Alzh</p>
<p>UCHIDA Yasuo TEL 082-257-5315 E-mail yuchida@hiroshima-u.ac.jp をアセ</p> <p>Department of Molecular Systems Pharmaceutics</p>	<p>1 キイ ゼヤウンセ The study using human brain tissue to clarify molecular mechanisms of brain disorders</p> <p>2 お てキイ こ イツ らア カ プ Drug transport study for human central nervous system (CNS) barrier and drug delivery to the brain</p> <p>3 ゲトア ズよをうって Elucidation of pathological molecular mechanisms of CNS barrier using next generation quantitative proteomics</p> <p>4 ゲトア ズよを 【 っ ギ らアプ Development of novel proteomics techniques and big data analysis</p> <p>5 ブ ゲトア ズよを カ スプヤプ Disease biomarker study using highly sensitive and precise quantitative proteomics</p>

<p>MATSUO Hiroaki TEL 082-257-5570 FAX 082-257-5598 E-mail hmatsuo@hiroshima-u.ac.jp Department of Pharmaceutical Services</p>	<p>1 う て Clinical pharmacokinetics and administration planning of drugs 2 う て Drug interactions 3 う う て Drug informatics for proper use of pharmaceutical products 4 ほテ プう て Drug allergy 5 ほテ プう【 っし う て Influence of drug intake on development of food allergy</p>
<p>SUGIYAMA Masanori TEL 082-257-5280 FAX 082-257-5284 E-mail sugi@hiroshima-u.ac.jp ブ Department of Probiotic Science for Preventive Medicine</p>	<p>1 うって Prevention and improvement of fatty liver by plant-derived lactic acid bacteria 2 う Prevention and improvement of the neuro-degenerative diseases by plant-derived lactic acid bacteria 3 ゲトカ アぼよを Development of the next-generation therapeutic drug to infectious disease using probiotics 4 ぜ るオセ コ Meta genome analysis of the entero-bacterial flora and application to digestive organ diseases</p>

ゲトラツセ Program of Public Health

Professor	ブ Contents of education and research
<p>FUKUMA Shingo TEL 082-257-5162 FAX 082-257-5164 E-mail shingo-fukuma@hiroshima-u.ac.jp ブ Department of Epidemiology, Infectious Disease Control and Prevention</p>	<p>三 そ う Epidemiology Biostatistics ブ Social and Behavioral Sciences ブ Health Service Administration ブ Environmental Health Sciences</p>
<p>KUBO Tatsuhiko TEL 082-257-5165 FAX 082-257-5169 E-mail tkubo@hiroshima-u.ac.jp Department of Public Health and Health Policy</p>	<p>う て て</p>
<p>NAGAO Masataka TEL 082-257-5170 FAX 082-257-5174 E-mail nagao@hiroshima-u.ac.jp Department of Forensic Medicine 2026 3 Retirement at the end of March 2026</p>	<p>Under the academic supervisor, students will conduct a researche in five scientific fields based on the international standard for Graduate School of Public Health and make their master thesis. Five scientific fields: 1)Epidemiology, 2) Biostatistics, 3) Social and Behavioral Sciences, 4) Health Service Administration, 5) Environmental Health Sciences</p>
<p>NAMERA Akira TEL 082-257-5172 FAX 082-257-5172 E-mail namera@hiroshima-u.ac.jp Department of Forensic Medicine</p>	
<p>ITO Masanori TEL 082-257-5461 FAX 082-257-5461 E-mail maito@hiroshima-u.ac.jp Department of General Medicine</p>	

<p>IMAIZUMI Kazunori TEL 082-257-5130 FAX 082-257-5134 E-mail imaizumi@hiroshima-u.ac.jp</p> <p>Department of Biochemistry 2025 3 Retirement at the end of March 2025</p> <p>SAITO Atsushi (Associate professor) E-mail saitoa@hiroshima-u.ac.jp</p> <p>KANEMITO Soshi (Associate professor) E-mail soshikanemoto@hiroshima-u.ac.jp</p>	<p>う て につ て でうっづ て</p> <p>Our purpose is to determine molecular mechanisms of cellular impairment generated from dysfunction of endoplasmic reticulum and its pathogenic mechanisms in nervous, blood-vascular, and skeletal systems.</p>
<p>To be decided</p> <p>Department of Biomedical Chemistry</p>	
<p>SAKAI Norio TEL 082-257-5140 FAX 082-257-5144 E-mail nsakai@hiroshima-u.ac.jp</p> <p>Department of Molecular and pharmacological neuroscience 2026 3 Retirement at the end of March 2026</p> <p>TANAKA Shigeru (Associate professor) E-mail tanakamd@hiroshima-u.ac.jp</p>	<p>い づ て</p> <p>We analyze the pathophysiology of incurable disease, including stroke, neurodegenerative disease and psychiatric disease and search the novel therapeutic drug for curing them.</p>
<p>To be decided</p> <p>Department of Molecular Pathology</p>	
<p>TAKESHIMA Yukio TEL 082-257-5150 FAX 082-257-5154 E-mail ykotake@hiroshima-u.ac.jp</p> <p>Department of Pathology</p>	<p>づ う て キイの う 「</p> <p>Exploring biological natures of human cancers, especially lung cancer and malignant mesothelioma for accurate pathological diagnosis and adequate therapy</p>
<p>SAKAGUCHI Takemasa TEL 082-257-5157 FAX 082-257-5159 E-mail tsaka@hiroshima-u.ac.jp み テを</p> <p>Department of Virology 2026 3 Retirement at the end of March 2026</p> <p>Takashi Associate professor E-mail tirie@hiroshima-u.ac.jp</p>	<p>ツズよ み テをブ ノグテめノわみ テをブ み テを い み テを ブ て</p> <p>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.</p>

<p>FUKUMA Shingo TEL 082-257-5162 FAX 082-257-5164 E-mail shingo-fukuma@hiroshima-u.ac.jp Department of Epidemiology, Infectious Disease Control and Prevention</p>	<p>1 アブ Epidemiological research using large-scale health and medical data, international collaborative research. 2 う【 て Clinical epidemiological research in various clinical fields. 3 み テをう て Epidemiological studies on hepatitis viruses, international collaborative studies. 4 COVID19 う て PCR Genetic analysis for hepatitis, COVID19 and other infectious diseases (PCR, immunoserology, phylogenetic tree analysis, etc.). 5 アブ めノをう【 て Methodological extensions and applications in epidemiology, statistics, and data science. 6 コテを をアセう【 て アわ ノ Behavioral science and behavioral design in health systems. 7 Health policy evaluation. 8 Quality assessment of medical care.</p>
<p>KUBO Tatsuhiko TEL 082-257-5165 FAX 082-257-5169 E-mail tkubo@hiroshima-u.ac.jp Department of Public Health and Health Policy</p>	<p>1 う て をアセう て Disaster Public health, social systems including health policy and health administration to protect health during emergencies and disasters 2 うって Occupational Health, epidemiological study of shift work and other occupational exposures 3 プセ う て Emergency Medical Team (EMT), Daily reporting by the EMT such as the WHO EMT Minimum Data Set</p>
<p>NAGAO Masataka TEL 082-257-5170 FAX 082-257-5174 E-mail nagao@hiroshima-u.ac.jp Department of Forensic Medicine 2026 3 Retirement at the end of March 2026</p>	<p>ノブ スノ ノ ノ れ ノ て Analysis noncholinergic mechanism of new organic phosphorus compounds</p>
<p>NAMERA Akira TEL 082-257-5172 FAX 082-257-5172 E-mail namera@hiroshima-u.ac.jp Department of Forensic Medicine</p>	<p>1 /Development of new analytical methods and procedures by using a mass spectrometry 2 ゲトグ ノらうって /Estimation of intaken drugs by a drug metabolite profiling 3 う て /Development of new quick laboratory procedures to medical toxicant 4 う て /Analysis of drug ingestion history 5 うって う て /Identifying of ingredients of poisonous plants</p>
<p>YASUDA Tomoharu TEL 082-257-5175 FAX 082-257-5179 E-mail yasudat@hiroshima-u.ac.jp Department of Immunology</p>	<p>1 う【 て ら テ The antigen receptor and mediated signals in the immune system 2 The regulation of immune cell division limit and hematological malignancy 3 ゼやウンセ The regulation of immune cell lifespan 4 み テを 干のう て The immune surveillance to viral infection and cancer 5 ほデテ プ The allergic diseases and immune tolerance 6 う て The gene therapy of primary immunodeficiency</p>
<p>OKADA Satoshi TEL 082-257-5210 FAX 082-257-5214 E-mail sokada@hiroshima-u.ac.jp Department of Pediatrics</p>	<p>1 るオセ うって Diagnosis of congenital malformations with comprehensive genomic analysis 2 Molecular analyses of pediatric malignancies 3 ステ ズよを うって う M ultiomics based improvement of diagnostic yield in primary immunodeficiency diseases</p>
<p>To be decided Department of Calcified Tissue Biology</p>	

<p>TERAYAMA Ryuji</p> <p>TEL 082-257-5623 FAX 082-257-5689 E-mail ryujit@hiroshima-u.ac.jp</p> <p>Department of Maxillofacial Anatomy and Neuroscience</p>	<p>つう つう</p> <p>て</p> <p>Molecular biological and behavioral studies for understanding nociceptive transmission and mechanisms underlying the development of abnormal pain sensations</p>
<p>SUGITA Makoto</p> <p>TEL 082-257-5626 FAX 082-257-5627 E-mail sugisan@hiroshima-u.ac.jp</p> <p>Department of Physiology and Oral Physiology</p>	<p>て ら うっづ であ て ノ</p> <p>う て 「</p> <p>1 To study the cellular mechanisms underlying taste perception and taste-evoked emotional responses 2 To investigate the molecular mechanisms underlying ion and fluid transport in the salivary glands</p>
<p>SHUKUNAMI Chisa</p> <p>TEL 082-257-5628 FAX 082-257-5629 E-mail shukunam@hiroshima-u.ac.jp</p> <p>Department of Molecular Biology and Biochemistry</p>	<p>て ゼやウン</p> <p>セ つう て</p> <p>We are aiming at the elucidation of the molecular and cellular mechanisms underlying the formation and regeneration of cartilage, bone, teeth, tendon, and ligament.</p>
<p>To be decided</p> <p>Department of Oral and Maxillofacial Pathobiology</p>	
<p>KOMATSUZAWA Hitoshi</p> <p>TEL 082-257-5635 FAX 082-257-5639 E-mail komatsuz@hiroshima-u.ac.jp</p> <p>Department of Bacteriology</p>	<p>1 ケイミ 【っ う</p> <p>Factors for virulence and antibiotic resistance in <i>Staphylococcus aureus</i></p> <p>2 ケイミ 【っ デノ う て</p> <p>Mechanism of <i>S. aureus</i> and oral streptococci infection to the host</p> <p>3 ス よトカ プセう Analysis of oral microbiome</p> <p>4 う て</p> <p>Factors for virulence and antibiotic resistance in periodontal bacteria</p> <p>5 MDRP MRSA ESBL</p> <p>Molecular epidemiology of nosocomial antimicrobial resistant pathogens (MDRP, MRSA, ESBL producers)</p> <p>6 Study on new antibacterial agents</p>
<p>AGO Yukio</p> <p>TEL 082-257-5640 FAX 082-257-5640 E-mail yukioago@hiroshima-u.ac.jp</p> <p>Department of Cellular and Molecular Pharmacology</p>	<p>1 「 う て</p> <p>Studies on the mechanisms of action of the drugs in depression, schizophrenia, anxiety, and neurodegenerative diseases</p> <p>2 う【 て う て</p> <p>Studies on the roles of gene-environment interactions in brain development</p> <p>3 ブ ブ ゼやウンセ であ う て</p> <p>Studies on the roles of cell migration, adhesion, and proliferation in biological and pathological processes</p>
<p>KATO Koichi</p> <p>TEL 082-257-5645 FAX 082-257-5649 E-mail kokato@hiroshima-u.ac.jp</p> <p>Department of Biomaterials</p>	<p>1 う て</p> <p>Technologies for manufacturing stem cells to be used in clinical regenerative dentistry and medicine</p> <p>2 そ て</p> <p>Design principles that enable duplication of histologically-ordered tissue structure found in living organisms</p>

<p style="text-align: center;">TAKAHASHI Ichiro</p> <p>TEL 082-257-5650 FAX 082-257-5650 E-mail snatum@hiroshima-u.ac.jp</p> <p>Department of Mucosal Immunology 2025 3 Retirement at the end of March 2025</p> <p style="text-align: center;">TOBIUME Kei (Associate professor) E-mail tobi5651@hiroshima-u.ac.jp</p>	<p style="text-align: center;">う【 て ブ ブ</p> <p style="text-align: center;">Molecular and cellular analysis for the creation and maintenance of physiological inflammation in the mucosa-associated peripheral tissues</p>
<p style="text-align: center;">FUJII Makiko</p> <p>TEL 082-257-1503 FAX 082-257-1572 E-mail fujjim@hiroshima-u.ac.jp る オセ</p> <p>Department of Genomic Oncology and Oral Medicine</p>	<p>1 Development of molecular target therapy for cancer 2 うって Establishment of cancer treatment using heavy ion radiotherapy 3 ブ Research on mechanisms of squamous cell carcinoma invasion and metastasis 4 TGF- ら テ TGF- 5 らトブカテ う て Research and development of educational methods in health care professional education</p>
<p style="text-align: center;">YOSHINAGA Shinji</p> <p>TEL 082-257-5852 FAX 082-256-7106 E-mail syoshinaga@hiroshima-u.ac.jp</p> <p>Department of Environmetrics and Biometrics</p>	<p style="text-align: center;">うっつ 円のた 円の い て そう ブ う【 て 「</p> <p style="text-align: center;">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</p>
<p style="text-align: center;">YASUDA Hiroshi</p> <p>TEL 082-257-5872 FAX 082-257-5873 E-mail hyasuda@hiroshima-u.ac.jp</p> <p>Department of Radiation Biophysics</p>	<p style="text-align: center;">い なで て お そあて か お う そつ 円 つで 【 づ てう お か う あてづ てっ「 おつ れづをあお か う て ブ う【 て う 円っ う て</p> <p>While radiation has been widely used for diagnosis, therapy and other purposes, excessive exposure to radiation could cause a damage on our health and it is needed to keep the radiation exposure as low as reasonably achievable. In this course, you will learn the necessary skills to achieve the radiation protection principles in the most appropriate way, studying details about quantities for radiation dosimetry, biological effects of radiation, techniques and instruments for radiation safety management, radiation emergency responses and related subjects.</p>
<p style="text-align: center;">KAWAKAMI Hideshi</p> <p>TEL 082-257-5846 FAX 082-257-5850 E-mail hkawakam@hiroshima-u.ac.jp</p> <p>Department of Molecular Epidemiology 2025 3 Retirement at the end of March 2025</p> <p style="text-align: center;">KUME Kodai (Associate professor) E-mail kumek@hiroshima-u.ac.jp</p>	<p style="text-align: center;">つ】う て</p> <p style="text-align: center;">To uncover causative genes in neurological disease</p>
<p style="text-align: center;">WATANABE Tomonobu</p> <p>TEL 082-257-5938 E-mail twatanabe@hiroshima-u.ac.jp</p> <p>Department of Stem Cell Biology</p>	<p style="text-align: center;">カ ゼプ ノら 【 っ 円 てゼヤウンセ か プ ず っ ブ 】っ そ でて</p> <p>In this course, we aim to elucidate (1) the mechanism by which individual differences in resistance to radioactive disorders occur, and (2) the relationship between the undifferentiated maintenance function of stem cells and radiation exposure, in combination with development of advanced microscopy. We accept students from science and engineering as well as biology and medicine.</p>

<p>TASHIRO Satoshi TEL 082-257-5817 FAX 082-256-7104 E-mail ktashiro@hiroshima-u.ac.jp Department of Cellular Biology</p>	<p>るオセ う【 て うって う 「 Study of the dynamic organization of DNA repair system in human cells by using the newly developed bioimaging analysis methods</p>
<p>E-mail okami@hiroshima-u.ac.jp ソアテ Department of Disease Model</p>	<p>よトプノ ほテ プ う【 て ゼヤウンセ う づ せ 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.</p>
<p>MATSUURA Shinya TEL 082-257-5809 FAX 082-256-7101 E-mail shinya@hiroshima-u.ac.jp るオセ Department of Genetics and Cell Biology 2026 3 Retirement at the end of March 2026 ASANO Takaki Associate professor E-mail tasano02@hiroshima-u.ac.jp</p>	<p>つ】 う るオセ DNA う て て Our research aim is to elucidate the molecular mechanisms of genome stability and maintenance.</p>
<p>To be decided 〒の Department of Molecular Oncology</p>	
<p>To be decided 〒の Department of Experimental Oncology</p>	
<p>HIROHASHI Nobuyuki TEL 082-257-5839 FAX 082-256-7105 E-mail hirohasi@hiroshima-u.ac.jp Department of Radiation Disaster Medicine</p>	<p>あお た う て う て う るオセ つ】 う て っづ た〒の い う て た う て て 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.</p>
<p>HIGASHI Yukihito TEL 082-257-5831 FAX 082-257-5831 E-mail yhigashi@hiroshima-u.ac.jp Department of Regenerative Medicine</p>	<p>う【 て う て な 「 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.</p>
<p>MIHARA Naoki TEL 082-257-1943 FAX 082-257-1701 E-mail naoki-mihara@hiroshima-u.ac.jp をアセ Department of Medical Informatics and Systems Management</p>	<ol style="list-style-type: none"> 1 をアセ Characteristics of medical information and its system 2 て をアセ Medical supporting system 3 をアセ ブ ブ Function, implementation and operation, evaluation and improvement of hospital information system 4 Standardization of medical information 5 う【 てアプ ブ Data management and analysis, and utilization in the field of health and welfare 6 ダ アぼ Information security and personal information protection 7 こ Information processing technology and application in medicine 8 う【 て Human resource development in medical informatics

<p>HINOI Takao TEL 082-257-2019 FAX 082-257-2019 E-mail thinoi@hiroshima-u.ac.jp Department of Genetic Medicine</p>	<p>1 るオセゲトグ ノら う Surveillance and development of treatment based on cancer genome profiling analysis in solid tumor</p> <p>2 やみの ノら つう プ ツノをう て Development of genetic counseling and surveillance system for hereditary cancer syndrome</p> <p>3 るオセ アツ プ う ブ ブ う Research for Ethical, Legal and Social Issues ELSI of genome medicine to improve genome medicine literacy</p> <p>4 つう Investigation of molecular genetics and molecular pathology of hereditary cancer syndrome</p> <p>5 ケ ゲ ゼやうんせ つう う ソ アテ Analysis of mechanism in colorectal cancer development, invasion, and metastasis based on subtype classification, and establishment of disease model for colorectal cancer</p>
<p>OGAWA Keiko TEL 082-257-1921 FAX 082-257-2021 E-mail okeiko22@hiroshima-u.ac.jp Department of Kampo (Japanese Traditional) Medicine</p>	<p>】つ あ ギ よアブ すあ い 】つ せ て あ づ</p> <p>1 ノ う て て The effect of Kampo medicine on lymphatic malformations</p> <p>2 COVID-19 う て The effect of Kampo medicine on COVID-19</p> <p>3 うって う て The effects of direct moxibustion on immune function</p> <p>4 アぼをサゲ ほ Functional dyspepsia: FD う て う て The therapeutic effect of Kampo medicine on Functional Dyspepsia (FD)</p> <p>5 う て う て The effect of daiobotanpito on colon diverticulitis</p> <p>6 う て Influence of Kampo medicine on blood coagulation</p> <p>7 干の う【 て うって Investigation of changes in immune cell function induced by Kampo medicine in patients with solid cancers</p> <p>8 お て う をアセ Development of a diagnostic system focusing on Kampo medicine diagnosis</p> <p>9 う て て The effect of goreisan on trigeminal neuralgia</p> <p>10 りほ 干の う て The effect of contact needle therapy (acupuncture) on fatigue in cancer patients hospitalized for palliative care</p> <p>11 干の うって う て The effect of acupuncture treatment for cancer patients with chemotherapy-induced neuropathy</p> <p>12 う【 て The efficacy of Kampo medicine for Nonalcoholic steatohepatitis (NASH)</p> <p>13 干の う て The effect of acupressure on pediatric cancer patients</p> <p>14 Research on Traditional medicine classics</p>
<p>KAWAGUCHI Hiroyuki TEL 082-257-5748 FAX 082-257-5717 E-mail hkawarp@hiroshima-u.ac.jp Department of Dental Education</p>	<p>1 う【 て や ダツセ Development of novel curriculum for dental education</p> <p>2 Development of effective learning methods for clinical competencies</p> <p>3 Development of novel assessments for clinical competencies</p> <p>4 う【 て う て Epidemiological studies on clinical evaluation of perioperative oral management</p> <p>5 う て Clinical studies on relationships between dental treatments and systemic diseases</p>
<p>万 SOTOMARU Yusuke TEL 082-257-5106 FAX 082-257-5109 E-mail sotomaru@hiroshima-u.ac.jp Department of Natural Science Center for Basic Research and Development</p>	<p>て た干の お て in vitro た in vivo て 「</p> <p>Cell (in vitro) and animal (in vivo) experiments for analyzing the life science phenomenon such as development, differentiation, aging and cancer</p>

<p>SUGIYAMA Daisuk TEL 082-257-1949 FAX 082-257-1993 E-mail cedarmt@hiroshima-u.ac.jp イツノをデブ テ プ Department of Translational Research</p>	<p>1 ソアテ キイ Drug target Identification using animal models and human cells 2 ソアテ キイ mode of action Analysis of mode of action using animal models and human cells 3 こ Pre-clinical proof of concept and translational research for commercialization 4 ゲトイ ゲ ブ Production of medical device prototype and verification of safety and effectiveness 5 】 つ う ブん う 「 Translational research to formulate and verify hypotheses based on trend surveys of seeds demands for clinical practice and practical application from basic research 6 う ウブン う 「 Translational research to formulate and verify hypotheses based on trend surveys of needs required for clinical practice and practical use 7 う【 て う 「 Translational research to formulate and verify hypotheses based on development trend surveys in clinical and regulatory settings 8 う う 「 Translational research to formulate and verify hypotheses based on a trend survey of industry-academia-government collaboration for medical development 9 う【 て International comparative research in translational research area 10 スイ よをうって た いう て こ Non-clinical studies and translational research for pharmaceutical development on tissue adhesion and fibrous by extracellular matrix. 11 プん う Research related to health care policy to aim for pharmaceuticals through translational research that bridges research seeds. 12 アブ う て Statistical methods in clinical research 13 アブ プを う て Research on preventive medicine using health examination data</p>
<p>万 MARUYAMA Fumito TEL 082-424-7048 E-mail fumito@hiroshima-u.ac.jp Department of Microbial Genomics and Ecology</p>	<p>〒 た 三 いっ「う て 】【 プギ よアブ 】 つ づ せ う る オセ ブ う て ず あ i) アブ カ ノグもスアぼよを ス よトカ プセ うって ii) ザトギ プセ ブ う て iii) ゼ るオセ ぬ ぐるオセ うって ブ iv) うって アわ ノう て v) カ めほト テ 】【 つ カ ゲト をサヤアぼノらを う づ のあ て お ； https://mge.hiroshima-u.ac.jp Our research focuses on understanding how microorganisms interact with each other, with their symbiotic hosts and with the environment, both experimentally and through big data analysis. In particular, we focus on the relationship between climate change and microbes (infectious diseases), genomic dynamics of pathogenic microbes in habitats, and pathogenic microbes and antibiotic resistance in aquaculture. In this framework, we will focus on: i) homeostasis mechanisms through the analysis of microbial community (microbiome) dynamics in the environment using large DNA sequence data analysis and bioinformatics; ii) definition of abnormal and normal states through microbial interaction analysis and holobiome analysis; and iii) the experimental study of bacterial evolution and diversity using comparative (meta)genomic and epigenomic analysis. iii) experimental and bioinformatics studies of microbial evolution and diversity by comparative (metagenomic) and epigenomic analyses, iv) basic research on the design of environments with artificial mixtures of microorganisms, and v) the search for useful microorganisms (especially, bacteria) from the environment (bioaerosols), which is so called bioprospecting. For more information see below: https://mge.hiroshima-u.ac.jp/en/</p>

やみの ツブ れプを Genetic Counselor Training Course

Professor	ブ Contents of education and research
<p>HINOI Takao TEL 082-257-2019 FAX 082-257-2019 E-mail thinoi@hiroshima-u.ac.jp Department of Genetic Medicine</p>	<p>1 るオセゲトグ ノら う Surveillance and development of treatment based on cancer genome profiling analysis in solid tumor</p> <p>2 やみの ノら つう プ ツノをう て Development of genetic counseling and surveillance system for hereditary cancer syndrome</p> <p>3 るオセ アツ プ う ブ プ う Research for Ethical, Legal and Social Issues ELSI of genome medicine to improve genome medicine literacy</p> <p>4 つう Investigation of molecular genetics and molecular pathology of hereditary cancer syndrome</p> <p>5 ケ ゲ ゼやウンセ つう う ソアテ Analysis of mechanism in colorectal cancer development, invasion, and metastasis based on subtype classification, and establishment of disease model for colorectal cancer</p>
<p>OKADA Satoshi TEL 082-257-5210 FAX 082-257-5214 E-mail sokada@hiroshima-u.ac.jp Department of Pediatrics</p>	<p>1 るオセ うって Diagnosis of congenital malformations with comprehensive genomic analysis</p> <p>2 Molecular analyses of pediatric malignancies</p> <p>3 ステ ズ よを うって う M ultionics based improvement of diagnostic yield in primary immunodeficiency diseases</p>
<p>OKAMURA Hitoshi TEL 082-257-5450 FAX 082-257-5454 E-mail hokamura@hiroshima-u.ac.jp Department of Psychosocial Rehabilitation</p>	<p>1 う て ブ う て Psychosocial aspects of genetic testing for hereditary cancer</p> <p>2 千の オギ アプ ノ Cancer rehabilitation</p>