

2024

AY2024 Graduate School of Biomedical and Health Sciences (Course)

Division of Integrated Health Sciences

Student Application Guidelines

2023 11

November 2023 Hiroshima University

***Examination dates and the Selection methods are subject to change due to COVID-19.
The changes shall be announced on the website of 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

Those who are willing to contribute to the advancement of 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 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 >

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

Based on its diploma policy and curriculum policy, the Program of Medicinal Sciences seeks 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

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

- 1 EBM: Evidence-Based Medicine
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.

If you apply without the informal consent of your academic advisor, you are not eligible to take the examination.

Eligibility for Application

- (1) Those who graduated from a university or college
- (2) 22 26 104 7
evaluation in accordance with the provision in Paragraph 7 of Article 104 of the School Education Law (No. 26 of
- (3) 16
Those who have completed a 16-year school curriculum education program in an overseas country
- (4) 16
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
- (5) 16
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)
- (6) 3
(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 the Minister of Education, Culture, Sports, Science and Technology.), which requires at least 3 years for competition (Include 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 the Minister of Education, Culture, Sports, Science and Technology.)
- (7) 4
Those who have completed a special course in a special training college designated by Minister of Education, Culture, Sports, Science and Technology (curriculum of four years and longer, only if satisfying criteria determined by the Minister of Education, Culture, Sports, Science and Technology) after the date designated by Minister of Education, Culture, Sports, Science and Technology
- (8) 28 5
Those appointed by the Minister of Education, Culture, Sports, Science and Technology of Japan (Ministry of Education Notice No. 5 of 1953)
- (9) 102 2
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
- (10) 22
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)

(11) 3 ()

Those who enrolled at a university or college for three years and longer (including those who are its equivalent from designated by the Minister of Education, Culture, Sports, Science and Technology of Japan as individuals with similar qualifications), and have obtained credits stipulated by the Graduate School with excellent marks

(12) 2024 3 31

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

1 (11) 80 3 90

*1: Those who enter the program under the above eligibility criterion (11) after having been enrolled in a university at least 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 better.

2

1

2 3

*2: Those who apply for the Nurse Career Support Course must meet the following conditions:

2) Have at least 3 years of on-site experience

*3: Those who wish to apply for the Genetic Counselor Training Course should consult with Professor Hinoi, the course director.

thinoin@hiroshima-u.ac.jp

Preliminary Evaluation for Application Eligibility

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2

All international students must apply for the preliminary evaluation.

Applications shall be evaluated for their eligibility in advance, and are required to submit all required documents by postal

5) Postal Address for

Submissions. It must be arrived at the Student Support Office by **3:00 PM on Friday, December 1, 2023**. Applicants will be able to apply after receiving the evaluation result.

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

*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: 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) . 1 6

Notification of evaluation result will be sent by e-mail on **Monday, December 18, 2023**.

(3) 5

Any questions regarding application eligibility should be inquired to the Student Support Group listed. (S

5) Postal Address for Submissions.

Application Procedure

Application period

| Item | Period |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| ア テ 又
Data entry and application fee payment | . 1 7 . 1 4 1 |
| お と
Submission of application documents which must be mailed | From Tuesday, December 19, 2023 to 3:00 PM on Tuesday, December 26, 2023, without exception |

9 3 (5)

*If an applicant brings the documents to be mailed in person, the Student Support Group will be open from 9:00 AM to 3:00 PM. The office will be closed on Saturdays, Sundays and holidays.

* It is not necessary to re-submit documents that have already been submitted during the preliminary evaluation for application eligibility.

1. ... Application Fee 30,000JPY

ア テ シ よ Applicants will pay Application Fee by Online Application System.

下 Payment is not required for the Japanese Government Scholarship students.

1 Application Methods

Applicants can apply through the following steps.

ア テ ① ② し つ か あ し Online Application (All ①② steps must be performed.)

A M Register with UCARO and obtain the necessary account to log in

し ら Enter your information into the online form.

い Pay the application fee online.

お と し ら 4 お と

Mail the required documents to Student Support Group (Graduate Students), Graduate School of Biomedical and Health Sciences, Hiroshima University. (See (6)Application documents to be mailed.)

2 ア テ リ Procedure of Online Application

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

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

Hiroshima University - Online Application - Home

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

(5)

***For the Japanese Government Scholarship students,**
please ask

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ure. To receive the account,

3 他報 Postal Address for Submissions

734-8553

2 3

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)

TEL: (082)257-1538 5051 E-mail: kasumi-gaku-g@office.hiroshima-u.ac.jp

4 お と Application documents to be mailed

5

Applicants must submit all the documents listed below to (5) Postal Address for Submissions within the above stated Application Period .

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.

| | Documents | Contents |
|---|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Confirmation Sheet | Please fill in the prescribed form. (Access the Hiroshima University Graduate School of Biomedical and Health Sciences website and download the form.)

For international students, please enter your name as shown in your passport. |
| B | Academic Transcript | the dean or president of the university or college. |
| C | Certificate of Graduation, or Certificate of Expected Graduation | Must be issued by the dean or president of the university or college.
さそ報 さつ しら よす
* It is not necessary to re-submit documents that have already been submitted during the preliminary evaluation for application eligibility. |

| Type
level | | EIKEN test
S-CBT
Includes S-CBT | (CBT Type Only) | | (4skills) | (4skills) | | (and)

(Note3) |
|---------------|--|---------------------------------------|-----------------|--|-----------|-----------|--|----------------------|
| | | | | | | | | |
| | | Grade 1 | | | | | | |
| | | Grade Pre-1 | | | | | | |
| | | Grade 2 | | | | | | |
| | | Grade Pre-2 | | | | | | |

Note1) If you are unsure, please contact us.

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Note2) **Transcripts from online home examinations cannot be utilized.**

Note3) For TOEIC®, both L&R and S&W certificates are required. This score is determined by multiplying your S&W score by 2.5 and adding your L&R score

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Note4) Regardless of the specific expiration date set by the organization of each external English language examination, the original transcript which meet all the following requirements are valid.

1.External English language examinations which are conducted April 1,2021 or later

2.External English language examinations of which you can submit the original transcript by the deadline of the submission period

お し ら

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

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

Note1) If you are unsure, please contact us.

ア ら か す

Note2) **Transcripts from online home examinations cannot be utilized.**

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Note3) Regardless of the specific expiration date set by the organization of each external English language examination, the original transcript which meet all the following requirements are valid.

1.External English language examinations which are conducted April 1,2021 or later

2.External English language examinations of which you can submit the original transcript by the deadline of the submission period

5 せ Other

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.

B C

Applicants who are unable to submit documents B and/or C for a special reason, please submit an alternative document.

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Example 1: A copy of Academic Transcript or Certificate of a Bachelor's Degree

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Example 2: Complete Academic Transcript (or Certificate of Credits) from undergraduate and graduate schools (including a two-
on

6 **又** **てし** **Application method for applicants with disabilities**

(5)

Applicants with disabilities, who require special considerations for taking the examination or studying, must submit the report for advance consultation (A4, no prescribed form), to the address for submission (S
Application Procedure (5) Postal Address for Submissions. :

. **1** Report must be submitted by **Friday, December 1, 2023**

Report must contain the following information:

Name, address, and telephone number

Name of a prospective academic supervisor

Program of Health Science

| | | | | |
|----------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------|--------------------------------------------------------------|
| Admission Selections | Written examinations | | | Oral examination the field of study the applicants apply for |
| | Foreign language (Nursing English)
the fields of health sciences nurse career support course only | Specialized subject the field of study the applicants apply for | Short essay | |

General Selection

Note 1

又 報 Examination Date and Location

Programs

Date

14

14

14

If applicants continue to work after enrolling in the program, special treatment may be introduced under Article 14 of the Standards for the Establishment of Graduate Schools, so they can perform their job duties while studying in the Graduate School (graduate schools may, if necessary from an educational standpoint, provide education through appropriate means, which include conducting classes or research guidance in the evening, other

Classes may be conducted in the evening or on Saturdays to facilitate their studies. Research guidance may be given in the evening, on Saturdays, and/or during summer/winter holidays, besides via the information network. A course registration plan may be developed with instruction of an academic supervisor.

Applicants, who wish to join the course and use the special provision under Article 14, should clarify it in the Application Form for Admission.

To apply the special provision under Article 14 during the program, or to discontinue it during the program, they can switch with approvals first from their supervisor and then from the dean of the Graduate School.

Announcement of Successful Applicants

2 4 Scheduled at 10:00 AM on Monday, February 26, 2024

Successful examinee numbers will be posted on the Hiroshima University website, and successful applicants will also receive a notice by postal mail.

No inquiry about the examination results is accepted by phone or any other contact methods.

Notes

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

(2)

(3) さいてら さつき こあ Applicants must consult with a prospective academic supervisor before application.

(4) ア テ あつ 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 enroll

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

() 1,000

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.

(5)

m) upon admission procedure.

- (6) Details including precautions for examinations will be sent together with an examination ticket.
- (7) 3

If applicants are admitted as those who enrolled at the faculties of a university for at least three years and have obtained credits stipulated by the Graduate School with excellent marks, they will be registered as

Therefore, such applicants must be warned that they are not eligible for taking some national qualification tests and other examinations that require graduation from an undergraduate school.

- (8) Long-Term Completion of Curricula System

The Graduate School provides a system, which facilitates them to take courses according to a plan and complete the program over a certain period that is longer than a standard term, to support applicants who enroll in the program while in employment (regular employment) or engagement with housework, child rearing, or nursing at home, as well as applicants who enroll in the program from Senior Citizens Selection. Under this system, the total tuition of the standard term is divided by the number of years admitted to complete the program according to a plan and paid in installments. For more details, such as maximum terms accepted for the Long-Term Completion of Curricula, please inquire the student support group.

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).

世 Others

- (1) Privacy Policy

personal information obtained through student selection (name, date of birth, sex, and other private information, etc.) will be used for the purposes of selecting students, notifying, and processing their admission.

After admission, the school will use this information for the p life (application for scholarships, tuition waiver, etc.), as well as investigation or study (such as investigation or analysis for potential improvements in admission examinations and application trend). Private information will not be used for other purposes or provided to people other than relevant staff of our school.

- (2) Smoke-free campus

2020 1

2018 4

Smoking has been prohibited entirely in all HU campuses from January, 2020. *The Kasumi Campus has been smoke-free since April, 2018.

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.

For Reference

| | | | |
|-----|---------------|-------------------------|-------------|
| (1) | Fees | | |
| | Admission Fee | 282,000 | 282,000 JPY |
| | Tuition fee | (Per half year) 267,900 | 267,900 JPY |
| | | (Per year) 535,800 | 535,800 JPY |

All fees paid are non-returnable.

2023 4

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.

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.

| | | |
|------------------------------------------|---|-----------------------------------------------------|
| NIKAWA Hiroki | 1 | Application of probiotics to oral cavity |
| TEL 082-257-5097 | 2 | Denture plaque and denture cleansers |
| FAX 082-257-5097 | 3 | Bone metabolisms, incl. osteoclasts and osteoblasts |
| E-mail hirocky@hiroshima-u.ac.jp | 4 | Design and application of antimicrobial peptides |
| Department of Oral Biology & Engineering | 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 | 1 | Evaluation of midwifery education to improve maternal child health in Africa |
| TEL 082-257-5345 | 2 | Medical local knowledge to promote health in collaboration with Anthropology |
| FAX 082-257-5349 | 3 | Educational support to prevent teenage pregnancy and gender inequality |
| E-mail yokoshim@hiroshima-u.ac.jp | 4 | Development of measurement tools and educational materials of People-Centered Care |
| Department of Global Health Nursing | 5 | Evaluation of a parenting support program based on development science |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>To be decided</p> <p>Department of Pediatric Nursing</p> | |
| <p>To be decided</p> <p>Department of Mental Health and Psychiatric Nursing</p> | |
| <p>TANABE Kazuaki</p> <p>TEL 082-257-5380</p> <p>FAX 082-257-5384</p> <p>E-mail ktanabe2@hiroshima-u.ac.jp</p> <p>Department of Perioperative and Critical Care Management</p> | <p>1
Research on Peri-operative Management and Post-operative Complications and Functional Disorders</p> <p>2
Research on Pathophysiology and Treatments of Metabolic diseases</p> <p>3
Research on Supportive care during Cancer Therapy</p> <p>4
QOL Research on QOL in Patients with various Cancer</p> |
| <p>To be decided</p> <p>Department of Communi and Public Health Nursing</p> | |
| <p>KAWASAKI Hiromi</p> <p>TEL 082-257-5395</p> <p>FAX 082-257-5399</p> <p>E-mail khiromi@hiroshima-u.ac.jp</p> <p>Department of School and Public Health Nursing</p> | <p>1
Research on health promotion in community and school</p> <p>2
Research on method and evaluation of health education and health guidance</p> <p>3
Research on support to children and families</p> <p>4
Research on health issue and city planning in community</p> |
| <p>To be decided</p> <p>Department of Gerontological and Oncology Nursing</p> | |

URABE Yukio

1

TEL 082-257-5405

FAX 082-257-5405

E-mail yurabe@hiroshima-u.ac.jp

Department of Sports Rehabilitation

2025 3

Retirement at the end of March 2025

MAEDA Noriaki

Associate professor

E-mail norimmi@hiroshima-u.ac.jp

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 Brain activity during the rehabilitative motor-task
 2 How the physiotherapy improve the musculoskeletal functions including the muscular pain
 3 The effects of enriched environment on brain plasticity
 4 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>MIYAGUCHI Hideki
 TEL 082-257-5440
 FAX 082-257-5444
 E-mail hmiya@hiroshima-u.ac.jp</p> <p>Department of Human Behavior Science of Occupational Therapy</p> | <p>1 Evidence Based Occupational Therapy
 2 Risk perception and Risk communication
 3 Occupational Therapy for the pediatrics
 4 Neuro behavior rehabilitation</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 Non-invasive brain stimulation to facilitate the treatment of various neurological disorders
 2 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 Cancer rehabilitation
 2 Rehabilitation for older adults with or without dementia
 3 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</p> | <p>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</p> |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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
2
3</p> <p>QOL</p> | <p>Research of care prevention for community-dwelling elderly people
 Research of frail elderly people
 Research of elderly people with dementia</p> |
| <p>MATANI Ayumu
 TEL 082-257-1722
 FAX 082-257-1723
 E-mail matani@hiroshima-u.ac.jp</p> <p>Department of Brain Function Imaging</p> | <p>1
2
3
4
5</p> <p>fMRI</p> | <p>Intervention in emotional processes in the brain with transcranial Extracellular Impedance Control (tEIC)
 Intervention in conflict processes in the brain with tEIC
 fMRI study on neural effects of tEIC
 fMRI study on the neural basis of KANSEI information processing
 fMRI study on the neural basis of visual imagery generation and manipulation</p> |

Program of Medicinal Sciences

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

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>TAHARA Hidetoshi
 TEL 082-257-5290
 FAX 082-257-5294
 E-mail toshi@hiroshima-u.ac.jp</p> <p>Department of Cellular and Molecular
 Biology</p> | <p>1
 2 G-tail
 3 G-tail
 4
 5 RNA
 6 RNA
 7 RNA
 8</p> | <p>Molecular mechanism of cellular senescence and cancer
 Development of anti-cancer drug targeting telomere G-tail
 Risk assessment of age-related disease using telomere G-tail
 Cellular immortalization using telomerase
 Biomarker using circulating microRNA
 Nucleic acid biomedicine for cancer treatments
 Molecular mechanism of microRNA regulation in aging and cancer
 Extracellular vesicles including exosome in aging and cancer</p> |
| <p>KAMIYA Hiroyuki
 TEL 082-257-5300
 FAX 082-257-5334
 E-mail hirokam@hiroshima-u.ac.jp</p> <p>Department of Nucleic Acids Biochemistry</p> | <p>1 DNA
 2 DNA
 3
 4 iPS</p> | <p>Mutagenesis by DNA damage
 DNA Functions of DNA repair
 Gene correction (genome editing) for gene therapy
 Mutations and genome stability in iPS cells</p> |
| <p>To be decided</p> <p>Department of Clinical Pharmacotherapy</p> | | |
| <p>To be decided</p> <p>Department of Frontier Science for
 Pharmacotherapy</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
 2
 3
 4
 5</p> | <p>Clinical pharmaceutical researches that support the proper use of pharmaceutical products
 Elucidation of the mechanisms of stress responses and drug targets
 The research of clinical drug assessment
 The development of new methods to assess drug efficacy and drug monitoring
 The research about functions and disease therapy of the store operated calcium channel</p> |

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| <p>UCHIDA Yasuo
 TEL 082-257-5315
 E-mail yuchida@hiroshima-u.ac.jp</p> <p>Department of Pharmaceutics and Therapeutics</p> | <p>1
The study using human brain tissue to clarify molecular mechanisms of brain disorders</p> <p>2
Drug transport study for human central nervous system (CNS) barrier and drug delivery to the brain</p> <p>3
Elucidation of pathological molecular mechanisms of CNS barrier using next generation quantitative proteomics</p> <p>4
Development of novel proteomics techniques and big data analysis</p> <p>5
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</p> <p>Department of Pharmaceutical Services</p> | <p>1
Clinical pharmacokinetics and administration planning of drugs</p> <p>2
Drug interactions</p> <p>3
Drug informatics for proper use of pharmaceutical products</p> <p>4
Drug allergy</p> <p>5
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</p> <p>Department of Probiotic Science for Preventive Medicine</p> | <p>1
Prevention and improvement of fatty liver by plant-derived lactic acid bacteria</p> <p>2
Prevention and improvement of the neuro-degenerative diseases by plant-derived lactic acid bacteria</p> <p>3
Development of the next-generation therapeutic drug to infectious disease using probiotics</p> <p>4
Meta genome analysis of the entero-bacterial flora and application to digestive organ diseases</p> |

Program of Public Health

| Professor | Contents of education and research |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>To be decided</p> <p>Department of Epidemiology, Infectious Disease Control and Prevention</p> | <p>Epidemiology
 Biostatistics
 Social and Behavioral Sciences
 Health Service Administration
 Environmental Health Sciences</p> |
| <p>KUBO Tatsuhiko
 TEL 082-257-5165
 FAX 082-257-5169
 E-mail tkubo@hiroshima-u.ac.jp</p> <p>Department of Public Health and Health Policy</p> | |

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| <p>NAGAO Masataka
 TEL 082-257-5170
 FAX 082-257-5174
 E-mail nagao@hiroshima-u.ac.jp</p> <p>Department of Forensic Medicine</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</p> <p>Department of Forensic Medicine</p> | |
| <p>ITO Masanori
 TEL 082-257-5461
 FAX 082-257-5461
 E-mail maito@hiroshima-u.ac.jp</p> <p>Department of General Medicine</p> | |

Program of Medical Physicist

| Professor | Contents of education and research |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>AWAI Kazuo
 TEL 082-257-5257
 FAX 082-257-5259
 E-mail awai@hiroshima-u.ac.jp</p> <p>Department of Diagnostic Radiology</p> | <p>Basic, technological and clinical study of medical physics for high precision and innovative radiotherapy of SBRT, IMRT, IGRT, PT, etc.</p> |
| <p>To be decided</p> <p>Department of Radiation Oncology</p> | |

Program of Biomedical Science

| Professor | Contents of education and research |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;">IKEGAMI Koji</p> <p>TEL 082-257-5110
 FAX 082-257-5114
 E-mail k-ikegami@hiroshima-u.ac.jp</p> <p>Department of Anatomy and Developmental Biology</p> | <p>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.</p> |
| <p style="text-align: center;">AIZAWA Hidenori</p> <p>TEL 082-257-5115
 E-mail haizawa@hiroshima-u.ac.jp</p> <p>Department of Neurobiology</p> | <p>We use mice and fish to address roles of specific neural circuits in the pathophysiology of the depression and sleep disorders by interdisciplinary approaches combining genetics with physiology and behavioral science.</p> |
| <p style="text-align: center;">FUJIWARA Yuichiro</p> <p>TEL 082-257-5120
 E-mail fujiwara-yuichiro@hiroshima-u.ac.jp</p> <p>Department of Physiology and Biophysics</p> | <ol style="list-style-type: none"> 1 Structure-function relationship of ion channels, receptors and transporters 2 Elucidation of the principle of operation of biomolecular sensors 3 Analysis of membrane protein-molecule interactions 4 Measurement by lipid bilayer reconstruction system and creation of artificial membrane proteins 5 Pathophysiology of channelopathy (including receptor and transporter diseases) |
| <p style="text-align: center;">HASHIMOTO Kouichi</p> <p>TEL 082-257-5125
 E-mail hashik@hiroshima-u.ac.jp</p> <p>Department of Neurophysiology</p> | <p>Analysis of mechanisms for the synaptic transmission and postnatal development of neuronal circuits</p> |

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| <p style="text-align: center;">IMAIZUMI Kazunori</p> <p>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 style="text-align: center;">SAITO Atsushi</p> <p>Associate professor
 E-mail saitoa@hiroshima-u.ac.jp</p> <p style="text-align: center;">KANEMITO Soshi</p> <p>Associate professor
 E-mail soshikanemoto@hiroshima-u.ac.jp</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 style="text-align: center;">To be decided</p> <p>Department of Biomedical Chemistry</p> | |
| <p style="text-align: center;">SAKAI Norio</p> <p>TEL 082-257-5140
 FAX 082-257-5144
 E-mail nsakai@hiroshima-u.ac.jp</p> <p>Department of Molecular and
 pharmacological neuroscience</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 style="text-align: center;">To be decided</p> <p>Department of Molecular Pathology</p> | |

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| <p>SAKAGUCHI Takemasa
 TEL 082-257-5157
 FAX 082-257-5159
 E-mail tsaka@hiroshima-u.ac.jp</p> <p>Department of Virology</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>To be decided</p> <p>Department of Epidemiology, Infectious Disease Control and Prevention</p> | |
| <p>KUBO Tatsuhiko
 TEL 082-257-5165
 FAX 082-257-5169
 E-mail tkubo@hiroshima-u.ac.jp</p> <p>Department of Public Health and Health Policy</p> | <p>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</p> |
| <p>NAGAO Masataka
 TEL 082-257-5170
 FAX 082-257-5174
 E-mail nagao@hiroshima-u.ac.jp</p> <p>Department of Forensic Medicine</p> | <p>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</p> <p>Department of Forensic Medicine</p> | <p>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</p> |
| <p>YASUDA Tomoharu
 TEL 082-257-5175
 FAX 082-257-5179
 E-mail yasudat@hiroshima-u.ac.jp</p> <p>Department of Immunology</p> | <p>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</p> |

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| <p>OKADA Satoshi
 TEL 082-257-5210
 FAX 082-257-5214
 E-mail sokada@hiroshima-u.ac.jp</p> <p>Department of Pediatrics</p> | <p>1 Diagnosis of congenital malformations with comprehensive genomic analysis
 2 Molecular analyses of pediatric malignancies
 3 Multiomics based improvement of diagnostic yield in primary immunodeficiency diseases</p> |
| <p>To be decided</p> <p>Department of Calcified Tissue Biology</p> | |
| <p>TERAYAMA Ryuji
 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>Molecular biological and behavioral studies for understanding nociceptive transmission and mechanisms underlying the development of abnormal pain sensations</p> |
| <p>SUGITA Makoto
 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>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
 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>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
 TEL 082-257-5635
 FAX 082-257-5639
 E-mail komatsuz@hiroshima-u.ac.jp</p> <p>Department of Bacteriology</p> | <p>1 Factors for virulence and antibiotic resistance in <i>Staphylococcus aureus</i>
 2 Mechanism of <i>S. aureus</i> and oral streptococci infection to the host
 3 Analysis of oral microbiome
 4 Factors for virulence and antibiotic resistance in periodontal bacteria
 5 MDRP MRSA ESBL
 6 Molecular epidemiology of nosocomial antimicrobial resistant pathogens (MDRP, MRSA, ESBL producers)
 Study on new antibacterial agents</p> |

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| <p>AGO Yukio
 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 Studies on the mechanisms of action of the drugs in depression, schizophrenia, anxiety, and neurodegenerative diseases
 2 Studies on the roles of gene-environment interactions in brain development
 3 Studies on the roles of cell migration, adhesion, and proliferation in biological and pathological processes</p> |
| <p>KATO Koichi
 TEL 082-257-5645
 FAX 082-257-5649
 E-mail kokato@hiroshima-u.ac.jp</p> <p>Department of Biomaterials</p> | <p>1 Technologies for manufacturing stem cells to be used in clinical regenerative dentistry and medicine
 2 Design principles that enable duplication of histologically-ordered tissue structure found in living organisms</p> |
| <p>TAKAHASHI Ichiro
 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>TOBIUME Kei
 Associate professor
 E-mail tobi5651@hiroshima-u.ac.jp</p> | <p>Molecular and cellular analysis for the creation and maintenance of physiological inflammation in the mucosa-associated peripheral tissues</p> |
| <p>FUJII Makiko
 TEL 082-257-1503
 FAX 082-257-1572
 E-mail fujii@hiroshima-u.ac.jp</p> <p>Department of Genomic Oncology and Oral Medicine</p> | <p>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- TGF-
 5 Research and development of educational methods in health care professional education</p> |
| <p>YOSHINAGA Shinji
 TEL 082-257-5852
 FAX 082-256-7106
 E-mail syoshinaga@hiroshima-u.ac.jp</p> <p>Department of Environmetrics and Biometrics</p> | <p>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> |

YASUDA Hiroshi

TEL 082-257-5872

FAX 082-257-5873

E-mail hyasuda@hiroshima-u.ac.jp

Department of Radiation Biophysics

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| <p>MATSUURA Shinya
 TEL 082-257-5809
 FAX 082-256-7101
 E-mail shinya@hiroshima-u.ac.jp</p> <p>Department of Genetics and Cell Biology</p> | <p>DNA</p> <p>Our research aim is to elucidate the molecular mechanisms of genome stability and maintenance.</p> |
| <p>To be decided</p> <p>Department of Molecular Oncology</p> | |
| <p>To be decided</p> <p>Department of Experimental Oncology</p> | |
| <p>HIROHASHI Nobuyuki
 TEL 082-257-5839
 FAX 082-256-7105
 E-mail hirohasi@hiroshima-u.ac.jp</p> <p>Department of Radiation Disaster Medicine</p> | <p>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</p> <p>Department of Regenerative Medicine</p> | <p>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</p> <p>Department of Medical Informatics and Systems Management</p> | <ol style="list-style-type: none"> 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 |
| <p>HINOI Takao
 TEL 082-257-2019
 FAX 082-257-2019
 E-mail thinoi@hiroshima-u.ac.jp</p> <p>Department of Genetic Medicine</p> | <ol style="list-style-type: none"> 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

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|---|-----------------------------------------------------------------------|---------------------------------------------------------|
| 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 |
| 5 | The therapeutic effect of Kampo medicine on Functional Dyspepsia (FD) | |
| 6 | | The effect of daiobotanpito on colon diverticulitis |
| 7 | | Influence of Kampo medicine on blood coagulation |

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| <p>SUGIYAMA Daisuk
 TEL 082-257-1949
 FAX 082-257-1993
 E-mail cedarmt@hiroshima-u.ac.jp</p> <p>Department of Translational Research</p> | <p>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-clinical proof of concept and translational research for commercialization
 4 Production of medical device prototype and verification of safety and effectiveness
 5
 6 Translational research to formulate and verify hypotheses based on trend surveys of seeds demands for clinical practice and practical application from basic research
 7 Translational research to formulate and verify hypotheses based on trend surveys of needs required for clinical practice and practical use
 8 Translational research to formulate and verify hypotheses based on development trend surveys in clinical and regulatory settings
 9 Translational research to formulate and verify hypotheses based on a trend survey of industry-academia-government collaboration for medical development
 10 International comparative research in translational research area
 11 Non-clinical studies and translational research for pharmaceutical development on tissue adhesion and fibrous by extracellular matrix.
 12 Research related to health care policy to aim for pharmaceuticals through translational research that bridges research seeds.
 13 Statistical methods in clinical research
 14 Research on preventive medicine using health examination data</p> |
| <p>MARUYAMA Fumito
 TEL 082-424-7048
 E-mail fumito@hiroshima-u.ac.jp</p> <p>Department of Microbial Genomics and Ecology</p> | <p>i) ii) iii) iv) v)</p> <p>:
 https://mge.hiroshima-u.ac.jp</p> <p>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.</p> <p>For more information see below:
 https://mge.hiroshima-u.ac.jp/en/</p> |

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 | 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 |
| Department of Genetic Medicine | 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 |