



Spring 2025 Admission

**Hirosaki University
Graduate School of Health Sciences**

Doctoral Course

(Special Category for Foreign Student Admission)

**Application Guidelines
for the Entrance Examination**

Contents

I. Special Category for Foreign Student Admission (Spring 2025)

I-1 Admission Quota	1
I-2 Eligible Applicants	1
I-3 Preliminary Consultation	2
I-4 Pre-assessment of Applicants' Qualifications	2
I-5 Application Procedure	4
I-6 Application Documents	5
I-7 Method of Selecting Students	7
I-8 Dates and Place of Examination	7

II. Procedures for Enrollment/Registration and Payment of Fees

II-1 Announcement of Examination Pass Results	7
II-2 Procedures for Enrollment and Registration	8
II-3 Handling of Personal Information	8
II-4 Radiological Health Science Course	8
II-5 Other	9

Information

List of Advisors	10
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I. Special Category for Foreign Student Admission

(Spring 2025)

I-1 Admission Quota

The Graduate School of Health Sciences Doctoral Course is composed of Nursing Science, Radiation Science, Bioscience and Laboratory Medicine, and Comprehensive Rehabilitation Science Departments, as well as the Radiological Health Science Course.

Table 1. Admission quota

Major	Department	Academic degree	Admission Quota	
			The First	The Second
Health Sciences (Doctoral Course)	Nursing Science	Doctor of Philosophy	A few	
	Radiation Science			
	Bioscience and Laboratory Medicine			
	Comprehensive Rehabilitation Science			

- This number also includes the number of students to be admitted to the Radiological Health Science Course

I-2 Eligible Applicants

Applicants must not be Japanese nationals and should meet all the following essential requirements and any corresponding provisions. Japanese language proficiency is not required, but conversational Japanese ability is preferred.

Essential Requirements

- Applicants who have obtained a recommendation letter attesting to the applicant's competence and scholastic performance from the applicant's prospective faculty advisor in the Graduate School of Health Sciences, Hirosaki University
- Applicants who, according to the Immigration Control and Refugee Recognition Act, have a resident status that would not prevent entrance into graduate school or who can obtain the appropriate status after entrance into graduate school.
- Those with English language ability equivalent to more than B1 in C E F R (Common European Framework of Reference for Languages: Learning, teaching, assessment)

Corresponding Provisions

- Applicants who have a master's or professional degree from a school overseas, or are expected to be awarded such a degree by March 2025 (Spring 2025 applicants).
- Applicants who have a degree equivalent to a master's or a professional degree from a school overseas, or are expected to be awarded such a degree by March 2025
- Applicants designated by the Ministry of Education, Culture, Sports, Science and Technology (Ministry of Education Notification No. 118/1989). This designation requires the following: Completion of a 16-year overseas education course, or an overseas correspondence course in Japan equivalent to a 16-year education course in the country concerned, followed by engagement in research at a university and/or a research institute for two years or longer, and recognized by the Graduate School as having an academic aptitude equivalent to or higher than that of a master's degree holder, based on research results.
- Applicants recognized by the Graduate School as having an academic aptitude equal to or higher

than that of a master's or professional degree holder, as verified by the individual admission qualification screening, and who are at least 24 years of age by March 2025 (Spring 2025 applicants).

Pre-assessment of applicants' qualifications will be conducted prior to the application period for the entrance examination for applicants who fall under provision 3) or 4).

I-3 Preliminary Consultation

- Applicants must indicate a member of the Graduate School of Health Sciences faculty as a desired advisor in Table 5-a through Table 5-d.
- Research plans must be discussed and approval must be obtained from that prospective advisor.
- Please refer to “II-4: Radiological Health Science Course” for information regarding the Radiological Health Science Course.

Prior to sending in the application, applicants who wish to apply to the Radiological Health Science Course must contact and consult with the faculty member the applicant is interested in receiving training from in order to confirm whether it is possible to choose the Radiological Health Science Course. Applications must be sent in after obtaining approval from the prospective faculty member to choose this course.

- For questions, please contact the Admissions Office of Health Sciences.

Student Affairs Office, Hirosaki University Graduate School of Health Sciences
66-1 Honcho, Hirosaki Aomori 036-8564, JAPAN
Email: jm5911@hirosaki-u.ac.jp

I-4 Pre-Assessment of Applicants' Qualifications

Applicants who wish to apply for admission under provision 3) or 4) should obtain proof of the relevant qualifications before starting the application process.

1. Documents to Be Submitted

Those who apply under provision 3) must submit the documents listed in Table 2.

Table 2

Application for pre-assessment	Complete application Form A
Certified Academic Record	Created and placed in a sealed envelope by the president or other administrative head of the graduating university
Official Certificate of Graduation	Created by the president or other administrative head of the graduating university
Certificate of academic research record	A record of research titles and durations certified by the president of a university, the head of a research institute or other organization, or a research advisor. No specific format is required.
Summary of research experience	Complete application Form B

Those who apply under provision 4) must submit the documents listed in Table 3.

Table 3

Application for pre-assessment	Complete application Form A
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Official Transcript issued by the last academic institution attended.	Submit a transcript issued by the last academic institution attended.
Official Certificate of Graduation	Created and placed in a sealed envelope by the president or other administrative head of the last academic institution attended.
School's course curriculum and academic requirements for graduation	Document describing the requirements for graduation (period of attendance, course subjects, number of units), syllabus of course subjects necessary for graduation etc. (document describing course content)
Certificate of employment issued by a person with authority over personnel administration in the applicant's workplace	Certificate created by the immediate supervisor at the applicant's place of employment regarding tenure and job role
Summary of research experience	Complete application Form B

2. Application Period for Pre-Assessment

Spring 2025 Admission

[First period application]

From June 17 (Mon) to June 21 (Fri), 2024, 5:00 PM (JST)

[Second period application]

From November 5 (Tue) to November 8 (Fri), 2024, 5:00 PM (JST)

Application documents must arrive no later than the last day of each application period.

3. Address for Submission of Documents:

Student Affairs Office, Hirosaki University, Graduate School of Health Sciences

66-1 Honcho, Hirosaki Aomori 036-8564, JAPAN

Email: jm5911@hirosaki-u.ac.jp

4. Announcement of Results

Applicants will be notified of the pre-assessment results by email by either of the following dates.

Spring 2024 Admission

[First period application] : July 10 (Wed) 2024

[Second period application] : November 27 (Wed), 2024

I-5 Application Procedure

1. Application Period

Spring 2025 Admission

[First period application]

From July 16 (Tue) to July 19 (Fri), 2024, 5:00 PM (JST)

[Second period application]

From December 9 (Mon) to December 13 (Fri), 2024, 5:00 PM (JST)

Application documents must arrive no later than the last day of each application period.

2. Application Process

Application documents must be received by the Admissions Office within the application period.

When mailing the application, all the documents should be sent together by registered express mail such as EMS (Express Mail Service). “Application for Foreign Student Admission to the Graduate School of Health Sciences, Doctoral Course” should be written clearly in red on the outside of the envelope.

Applicants should pay the entrance examination fee by bank transfer prior to mailing the application documents.

Address for submission of documents:

Student Affairs Office, Hirosaki University, Graduate School of Health Sciences

66-1 Honcho, Hirosaki Aomori 036-8564, JAPAN

Email: jm5911@hirosaki-u.ac.jp

3. Other Notices

- Incomplete application documents will not be accepted.
- No changes can be made to the contents of the application documents after the application has been received.
- The examination fee is not refundable except in the following cases:
 - * If an applicant does not submit an application, or if the application is rejected prior to the examination, after the examination fee is paid.
 - * If an applicant mistakenly pays the examination fee twice.
- Authorization of admission will be revoked if the documents contain any false statements.

4. Payment of the Entrance Examination Fee

- In accordance with the specifications below, the official examination fee of JPY 30,000 must be sent by bank transfer.
- We recommend that you complete the bank transfer as quickly as possible because of processing times.
- Please be sure to perform remittance to reach a designated account by the following date.

Spring 2024 Admission

[First period application] : July 19 (Fri), 2024

[Second period application] : December 13 (Fri), 2024

[Payment information]

- Type Wire transfer
- Payment method Bank transfer
- Responsible for bank charges Sender
- Via bank charges Sender
- Amount JPY 30,000
- Purpose Application fee

[Recipient account information]

- Bank name Aomori Bank
- Branch name Oyakatamachi Branch
- Account type Ordinary
- Bank address 19 Oyakatamachi, Hirosaki, Aomori 036-8191, Japan
- Swift code AOMBJPJT
- Account number 201-1228599
- Account holder’s name SHINSAKU FUKUDA, PRESIDENT OF HIROSAKI UNIVERSITY, NATIONAL UNIVERSITY CORPORATION
- Account holder’s address 1 Bunkyo-cho, Hirosaki, Aomori 036-8560, Japan
- Account holder’s telephone number +81-(0)172-36- 2111
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[Note]

- The sender should be applicant.
- When transferring funds from outside of Japan, two extra charges are incurred: a transfer charge and a transaction fee in Japan.
- Both of these charges are to be paid by the sender.
- At the bank counter, please be sure to specify the transaction fee in Japan as “sender to pay”.
- If this is not done, Aomori Bank will charge that fee to the recipient, and as a result, your payment to Hirosaki University will be insufficient.
- If the correct amount is not transferred to the recipient’s account, the applicant will be considered to have failed to make the payment.
- **BE SURE to pay all fees and charges; they MUST be at the sender’s (the applicant’s) expense**
- **Applicants must pay the entrance examination fee of JPY 30,000 by bank transfer, and must provide sender and transaction information on Form (4).**
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I-6 Application Documents

Table 4. List of application documents for foreign student admission

*In the following chart, “◇” indicates documents that must be submitted;
 “†” indicates optional documents that may only need to be submitted in certain cases.

Application Documents	Notes	*
Admission Application Form	Fill out the required information in Form (1) .	◇

Admission Ticket and Photo Ticket for Examination	Please fill out the necessary items on Foreign Students – Form (2) with a photograph of yourself attached. The photograph (4 cm tall × 3 cm wide) must be one of you taken within 3 months before application, and must show you (including your upper body) facing forward without wearing a hat and without a background. The photograph should be affixed in the specified column of the designated form.	◇
Curriculum Vitae	Fill out the required information in Form (3) .	◇
Official Transcripts	Official transcript MUST have the official signature of the president of the applicant's university, and MUST be in a sealed envelope.	†
Payment Method of Entrance Examination Fee	Applicants need to pay an entrance examination fee of JPY 30,000 by bank transfer, and must provide the sender and transaction information on Form (4) .	◇
Certificate of Completion or Graduation (Expected Graduation)	A. Issued by the last school applicant attended. This certificate MUST have the official signature of the university president or faculty dean (or head of the school if not a university) and be in a sealed envelope. B. Those applying according to provision 3) or 4) should submit the pre-assessment results instead of Certificate of Completion or Graduation.	†
Summary of Master's Thesis/Research Progress Report	A. Submit a copy of master's thesis along with Form (5) as a summary. The summary is limited to 2,000 characters in Japanese or 500 words in English. B. Those who have not written a thesis are requested to fill out Form (5) as a "Research Progress Report" to show the progress of their research. Word counts are the same as those in A. C. Not needed for those applying according to provision 3) or 4).	†
Research Achievements	If reporting any research achievements other than a master's thesis, such as published books, academic theses/lectures/reports, or patents, please fill out Form (6) . [Note 1] Attach reprints or copies of items listed. Papers currently under review should not be listed. However, papers accepted for publication can be listed along with a copy of the manuscript and the letter of acceptance.	◇
English Proficiency	Please fill out the results of your English language proficiency test (TOEIC, TOEFL or IELTS) on Foreign Students – Form 6 and submit this form with a copy of the official score card for your test. If you don't get the results of your English language proficiency test (TOEIC, TOEFL or IELTS), please apply to general selective examination.	◇
Research Plan	Fill out the required information on Form (7) . The maximum word count is 2,000 characters in Japanese or 500 words in English	◇
Letter of Recommendation	Recommendation letter(s) issued by the president of the most recent school attended or by relevant faculty members. No specific format is required.	◇
Approval and Recommendation Letter from Prospective Advisor	To be submitted directly by your prospective advisor. Applicants must indicate a member of our teaching staff at the Graduate School of Health Sciences faculty as a desired advisor. Discuss research plans and obtain approval from that faculty member. The faculty member (prospective advisor) must fill out and sign Form (8) . Evidence of correspondence (e.g., copies of letters/emails between the applicant and the advisor, etc.) must accompany Form (8) upon submission.	◇
Certificate of Residence	Please submit "Certificate of Residence" if you currently live in Japan. (If you are not a resident in Japan at the time of application, please submit a copy of a valid visa with the applications.) ※ If you are a Japanese Government scholarship student, please also submit the certificate of the Japanese Government scholarship student issued by your university.	◇

Address Sheet	The address sheet, Form (9) , will be used by the admissions office to send an acceptance letter and admission documents to applicants. Please write (print) or typewrite all information, including your name, address and postal/zip code, clearly in the boxes provided. Send this sheet together with the other application documents. Any change of address must be reported to student affairs office immediately.	◇
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※ If Application Documents is not written in English or Japanese, the original one and its English or Japanese translation must be submitted.

Steps to follow to prepare **Form (8)** “Letter of Approval”

- Applicants must select an advisor from among in Table 5-a through Table 5-d and inform the admissions office of their choice of advisor by email.
- Applicants must contact and communicate with their desired advisor frequently and consult with them about research plans.
- Applicants are required to be approved by their choice of advisor prior to application.
- Applicants should ask their desired advisor to prepare and submit **Form (8)**.

I-7 Screening

Applicants will be assessed by oral examination and submitted application documents. The Oral Examination will be done in English. However, those who have difficulty in coming to Japan can take the exam online.

I-8 Dates and Place of Examination

- 【1st Recruitment Period】 August 30 (Fri), 2024
 【2nd Recruitment Period】 January 31 (Fri), 2025

Subjects	Examination Time	Place
Oral Examination	12 : 30~	Hirosaki University (Honcho Campus, the Building of Graduate School of Health Sciences)

II. Procedures for Enrollment/Registration and Payment of Fees

II-1 Announcement of Examination Pass Results

Spring 2025 Admission

[First period application] : September 20 (Fri), 2024, 10:00 AM

[Second period application] : February 14 (Fri), 2025, 10:00 AM

Results will be announced on the bulletin board on the ground floor of the Graduate School of Health Sciences, Hirosaki University, and will also be mailed to successful applicants.

Additionally, successful applicants' examinee numbers will be announced on our website.

URL: <https://ghs.hirosaki-u.ac.jp/>

Inquiries by telephone or other means regarding results will not be accepted.

II-2 Procedures for Enrollment Registration

Successful applicants must submit admission documents to the admissions office in person or by mail. Applicants must pay the admission fee by bank transfer during the admission procedure period.

1. Period for Admission Procedures and Office Location

Spring 2025 Admission

Period for Admission Procedures:

From February 27 (Thu) to , February 28 (Fri), 2025

Office Location: Student Affairs Office, Hirosaki University Graduate School of Health Sciences

66-1 Honcho, Hirosaki, Aomori 036-8564, JAPAN

Fax +81-172-39-5912

E-mail: jm5911@hirosaki-u.ac.jp

If the applicant fails to complete the admission procedures by the deadline, they will be deemed to have declined the offer of enrollment.

2. Payment of Admission Fees

a) Admission Fee JPY 282,000

Those who will have completed a master's program at our Graduate School and will advance to this program as well as those who are Japanese Government Scholarship students DO NOT need to pay the admission fee.

b) Tuition First semester JPY 267,900
Second semester JPY 267,900

Japanese Government Scholarship students DO NOT need to pay tuition.

Note 1: Paid admission fees cannot be refunded for any reason.

Note 2: Tuition fees for the second semester can be paid together with tuition fees for the first semester.

Note 3: If revisions are made to the admission fee and tuition fees by the time of admission, the revised fees shall apply.

Note 4: If any applicants who have completed admission procedures decline their admission by March 31 (Mon), 2025, the paid tuition fees will be refunded at the request of the payer.

II-3 Handling of Personal Information

Personal information, such as name, address, etc., provided by applicants to the university in the process of applying for admission will only be used for the following: 1) assessment of applicants; 2) announcement of results; 3) enrollment procedures; 4) surveys and research on student selection methods; and 5) business operations pertaining to 1) through 4).

II-4 Radiological Health Science Course

The objectives and goals of the Radiological Health Science Course from the perspective of human resources development are as follows:

Among the individuals who complete this Doctoral Radiological Health Science Course, only those who have already completed the Graduate School of Health Sciences Master's Radiological Health Science Course will be awarded the title of Senior Radiological Health Scientist.

No regulations are in place regarding the maximum number of enrolled students for the Radiological Health Science Course.

However, the topic of the doctoral dissertation for the Radiological Health Science Course must be related to radiation.

<Objectives>

To cultivate high-level educators and researchers in Radiation Emergency Medicine associated with radiation, and to train individuals who can contribute to the academic development of this field.

<Goals>

- ① To learn advanced and specialized knowledge and techniques related to Radiation Emergency Medicine.
- ② To learn research methods required in the field of radiation emergency medicine, and to be able to expand these methods.

II-5 Other

If an applicant has a disability and wishes to be provided with reasonable accommodations on the oral examination and in school, please contact the office below.

Student Affairs Office, Hirosaki University, Graduate School of Health Sciences
66-1 Honcho, Hirosaki Aomori 036-8564, JAPAN
Email: jm5911@hirosaki-u.ac.jp

Table 5-a Nursing Science

Advisors	Research Themes
Akemi Fujita, Professor Tel: +81-172-39-5948 a_fujita@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • QOL of cancer patients and their families • Patient education
Noriko Ogura, Professor Tel: +81-172-39-5907 ogu1224@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Career development and/or continuation education for nurses • Job satisfaction and/or workplace environment of nurses • Patient education by nurses
Chiaki Kitamiya, Professor Tel: +81-172-39-5945 chiaki@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Support for families of chronically ill children • Health promotion by public health nurses
Chikako Tono, Professor Tel: +81-172-39-5947 tonochikako2978@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Optimal management for pediatric chronic myeloid leukemia
Haruka Otsu, Professor Tel: +81-172-39-5996 h_otstu@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Nursing for demented elderly people • Disease management in outpatients and home care people
Toshiko Tomisawa, Professor Tel: +81-172-39-5933 tmtott@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Education using simulation and Active-Learning • Critical thinking and Nursing Diagnosis • Self-management in diabetes • Development of educational materials applying Internet Technology and Virtual Reality • Disaster Nursing

Table 5-b Radiation Science

Advisors	Research Themes
Shinji Tokonami, Professor Tel: +81-172-39-5404 tokonami@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Upgrading and standardization of radiation measurement techniques and dose assessment • Assessment of radioactivity and radiation from various radionuclides in the environment • Radiation risk analysis for establishment of radiological protection system
Eichi Tsuruga, Professor Tel: +81-172-39-5954 tsuru@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Sensitivity of alveolar elastic fibers to radiation exposure • Mechanism of formation of elastic system fibers in the dermis • Remodeling of the ciliary zonule • Biological basic research leading to an effective radiation therapy • Study on roles of organelles in cellular radiation response
Yasuyuki Takahashi, Professor Tel: +81-172-39-5917 ytaka3@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Studies on tracer kinetics and bioanalysis • Studies on improvement of SPECT and PET image quality • Studies on reduction of medical exposure • Research related to the law of radiological technologist • Research on safety management in the event of a radiation emergency
Naofumi Akata, Professor Tel: +81-172-39-5405 akata@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Bioassay and internal dose assessment • Study of tritium measurement in environmental and biological samples • Geochemical study using tritium and cosmogenic radionuclides as a tracer
Kohsei Kudo, Professor Tel: +81-172-39-5958 kohsei@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Reduction in radiation exposure by performance evaluation of digital image equipment for X-ray • Estimation of lens exposure dose in eye of medical staff • Development of an X-ray image transfer system to contribute to regional Healthcare
Masahiro Hosoda, Professor Tel: +81-172-39-5956 m_hosoda@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Measurement, environmental dynamics and dose estimation of environmental radiation and radionuclides • Advancement of radiation measurement methods and dose evaluation in radiation emergency medicine
Koichi Okuda, Associate Professor Tel: +81-172-39-5921 okuda1@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Quantitative analysis of clinical SPECT and PET images • Machine learning and deep learning application in medical image analysis • Monte Carlo simulation in medical imaging and dosimetry

Satoru Monzen, Associate Professor Tel: +81-172-39-5959 monzens@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Side effect management in cancer external radiotherapy and radioisotope therapy using body fluid biomarker(s) • Investigation of the mechanisms of the pathogenesis of bone marrow failure induced by high-dose rate ionizing radiation • Search for the radiation biodosimetric marker(s) with high precision in biogenic substances
Yasutaka Omori, Associate Professor Tel: +81-172-39-5244 ys-omori@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Evaluation of internal and external radiation exposure for natural radionuclides • Dynamics in the environment and dose evaluation for radionuclides discharged by a nuclear accident • Migration of radon and thoron in the environment
Co-Advisor	Research Themes
Kranrod Chutima, Assistant Professor Tel: +81-172-39-5434 kranrod@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Evaluation of inhalation risk due to radon thoron and its decay products in indoor and outdoor environments • Behavior analysis of indoor radioactive aerosols • Quality assurance and quality control for conducting radon thoron and their decay product measurements
Minoru Osanai, Assistant Professor Tel: +81-172-39-5524 ominoru@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Safety utilization of medical radiation
Hironori Yoshino, Assistant Professor Tel: +81-172-39-5528 hyoshino@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Biological basic research leading to an effective radiation therapy • Roles of organelles in cellular radiation response

Table 5-c Bioscience and Laboratory Medicine

Advisors	Research Themes
Yusuke Tando, Professor Tel: +81-172-39-5992 ytando@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Disease and changes in metabolism of nutrients • Pancreatic exocrine function, digestion and absorption • Signal transduction system in pancreatic fibrosis and inflammation
Kazufumi Yamagata, Professor Tel: +81-172-39-5932 kymgt@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Microscopic analysis on morphological features and prognosis in hematological malignancies • Research of AI analytic technology for diagnosis of hematological diseases • Epidemiological study on an onset of treatment-related oncogenicity after hematological malignancies
Tomoh Matsumiya, Professor Tel: +81-172-39-5916 tomo1027@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Elucidation of the pathogenesis of cytokine storm • Influence of SARS-CoV-2 in innate immunity • Development of novel organ-specific bioprobe for imaging analysis. Study on anti-viral stress granules
Noriko Kato, Professor Tel: +81-172-39-5967 nor-kato@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Clinicopathological and molecular genetic analysis of gynecological tumors • Study on histogenesis of germ cell tumors
Wataru Miyazaki, Professor Tel: +81-172-39-5955 miya@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Research for the effects of environmental factors, including environmental chemicals, on the developments • Clarification of the mechanisms of epigenome changes and toxicities induced by environmental factors • Development of new systems to predict injured organs using liquid biopsy
Tomisato Miura, Professor Tel: +81-172-39-5966 tomisato@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Development of novel cytogenetic parameters for biodosimetry • Analysis of background factors that affect chromosomal abnormalities • Analysis of chromosomal abnormalities in occupational and medical exposure • Effects of apple procyanidins on the prevention of lifestyle-related disease • Study on biological effects of radiation exposure • Study on the regulatory mechanism of antibacterial protein activity • Study on the regulation of hyaluronic acid synthesis • Study on the radio-mitigative therapy of individuals

Kayo Horie, Associate Professor Tel: +81-172-39-5969 k-horie@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Study on the tumor marker and prognostic/predictive factors related to extracellular vesicles endogenous factors. • Prevention of lifestyle diseases through using plant-derived bioactive compounds (phytochemicals)
Hirofumi Tazoe, Associate Professor Tel: +81-172-39-5503 tazoe@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Development of analytical method for long-lived radionuclides by using ICP-mass spectrometry • Study for Environmental dynamics by radionuclides and isotopes of trace metals as chemical tracer • Improvement of analytical technique of solid phase extraction and automated system
Kosuke Kasai Associate Professor Tel: +81-172-39-5453 kokasai@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Regulation of an antibacterial activity of L-amino acid oxidase • Regulation of the activity of hyaluronan synthases • Biological effects of radiation exposure
Mitsuru Chiba, Associate Professor Tel: +81-172-39-5965 mchiba32@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Study on the function of extracellular vesicles • Cancer and functional RNA • Cancer invasion and metastasis • Identification of a biomarker for early diagnosis

Table 5-d Comprehensive Rehabilitation Science

Advisors	Research Themes
Kazumaru Wada, Professor Tel: +81-172-39-5986 kw@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Effects of occupational therapy on patients with schizophrenia • Clinical outcome and social prognosis of patients with epilepsy • Research on cognitive function in patients with schizophrenia
Akiyoshi Takami, Professor Tel: +81-172-39-5976 a-takami@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Gait assessment research on stroke and research on gait therapy of stroke • Higher brain dysfunction • Research on stroke assessment scale • Research on the general clinical assessment scale (Cancer· Cardiovascular· Childhood· Respiratory disease, etc)
Eiki Tsushima, Professor Tel: +81-172-39-5980 pteiki@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Motion analysis of patients with musculoskeletal disorders • Electromyography analysis of motion • Epidemiology and biostatistics for physical therapy research • Research for evaluation and practice of physical therapy
Hideki Yoshida, Associate Professor Tel: +81-172-39-5975 ptyoshi@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Effect verification and new intervention method development on electrophysical agents (EPA) • Effectiveness of combined or simultaneous use of EPA and therapeutic exercise • Application of EPA to psychosomatic health promotion • Pain rehabilitation based on physical therapy • Assessment and intervention related to physical therapy
Jumpei Takahashi Associate Professor Tel: +81-172-39-5977 junpei@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Clinical research of determination of walking independence in stroke patients • Motion analysis about sit-to-stand using upper limb • Clinical reasoning in physical therapy • Therapeutic exercises of muscle strength training and stretching • Physical evaluation and therapy
Shuhei Koeda, Lecturer Tel: +81-172-39-5990 ot_koeda@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Clinical research of fine and gross motor dysfunction for children with developmental disorders • Epidemiological research of nutrition for children with developmental disorders • Clinical research of neuropsychiatry for elderly persons • Clinical research of occupational therapy for orthopedics disease patients
Co-Advisor	Research Themes
Makoto Tanaka, Assistant Professor Tel: +81-172-39-5991 tanakam@hirosaki-u.ac.jp	<ul style="list-style-type: none"> • Effects of occupational therapy on patients with schizophrenia • Research on cognitive function in patients with schizophrenia