



**Hirosaki University
Graduate School of Health Sciences**

Master's Course

**Radiological Health Science Course
(Special Category for Foreign Student Admission)**

**Application Guidelines
for the Entrance Examination**

Spring 2025 Admission

Table of Contents

I. Special Selection of Foreign Students

I-1. Number to be Admitted	1
I-2. Requirements for Application	1
I-3. Preliminary Consultation	1
I-4. Formal Review of Qualifications for Application	2
I-5. Application Procedures	3
I-6. Application Documents	4
I-7. Method of Selecting Students	6
I-8. Dates and Place of Examination	6

II. Announcement of Examination Pass Results and Related Procedures

II-1. Announcement of Examination Pass Results	6
II-2. Admission Procedures	6
II-3. Protection of Personal Information	7
II-4. The Radiological Health Science Course	7
II-5. Other Matters	7

(Documents)

Supervising Faculty in Each Field and Research Topics	8
---	---

I. Special Selection of Foreign Students

I-1. Number to be Admitted

A few students will be recruited to the Radiological Health Science Course in the four fields listed in Table 1.

Table 1

	Field	Degree	Number to be Admitted	
			1 st Recruitment Period	2 nd Recruitment Period
Health Sciences (Master's Program)	Nursing Science	Radiological Health Science Course	Master's (Nursing Science)	A few students
	Radiation Science		Master's (Health Sciences)	
	Bioscience and Laboratory Medicine			
	Comprehensive Rehabilitation Science			

I-2. Requirements for Application

Those without Japanese citizenship who meet all the following basic requirements and any of the appropriate requirements can apply. Those with Japanese language proficiency sufficient for everyday conversation are preferred.

Basic Requirements

- A. Those with certified abilities and academic achievements supported by a letter of recommendation from a Graduate School faculty member who the applicant wishes to have as their research supervisor after admission
- B. Those with a status of residence in Japan that does not interfere with admission to the Graduate School according to Japanese immigration law and the Immigration Control and Refugee Recognition Act or those who expect to acquire such a status of residence
- C. 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)

Appropriate Requirements

- (1) Those who have completed 16 years of formal education overseas, or those who expect to complete their formal education by March 2025
- (2) Those who will have completed 15 years of formal education overseas by March 2024 and are recognized as having acquired the predetermined number of academic units in this Graduate School with excellent grades
- (3) Those recognized as having equal or superior academic ability to someone who has graduated university, by means of an individual entrance examination for this Graduate School, and who will reach 22 years of age by March 31, 2025

The qualifications of those who wish to apply on the basis of Appropriate Requirements (2) or (3) are reviewed prior to application.

I-3. Preliminary Consultation

- Interested applicants are asked to contact the faculty member who they wish to have as their supervisor by phone, e-mail or other means prior to application, and to make sure to seek advice and guidance regarding post-admission course content, requirements, research and other matters in addition to obtaining the faculty member’s letter of recommendation and consent to act as supervisor.
- For a list of faculty members, please refer to Table 5 - (a) to (d) “Supervising faculty in each field and research topics” on pages 8 to 12.
- For information on the Radiological Health Science Course, please see section “II-4. The Radiological Health Science Course.”
- If you have any questions, please contact the office below:

Student Affairs Office, Hirosaki University Graduate School of Health Sciences,
Email: jm5911@hirosaki-u.ac.jp

I-4. Formal Review of Qualifications for Application

Those who wish to apply on the basis of Appropriate Requirements (2) or (3) are asked to undergo an individual formal review of their qualifications for application in advance.

1. Documents to be Submitted

Those who wish to apply on the basis of Appropriate Requirement (2) are asked to submit the documents listed in Table 2.

Table 2

(1) Application for Recognition of Academic Requirements	Please fill out the necessary information on Foreign Students – Form A
(2) Academic Transcript	Created and placed in a sealed envelope by the president or other administrative head of the graduating university
(3) Graduation Certificate	Created by the president or other administrative head of the graduating university
(4) Letter of Recommendation	Created by the president or other administrative head of the graduating university

Those who wish to apply on the basis of Appropriate Requirement (3) are asked to submit the documents listed in Table 3.

Table 3

(1) Application for Recognition of Academic Requirements	Please fill out the necessary information on Foreign Students – Form A
(2) Academic Transcript from the last school attended	Created and placed in a sealed envelope by the president or other administrative head of the graduating school
(3) Graduation Certificate from the last school attended	Created by the president or other administrative head of the graduating school
(4) Official Regulations etc. of the graduating school	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)
(5) Certificate of Tenure etc.	Certificate created by the immediate supervisor at the applicant’s place of employment regarding tenure and job role (optional form)

2. Application Period

1st Recruitment Period : From June 17 (Mon) to June 21 (Fri), 2024, 5:00 PM (JST)

2nd Recruitment Period : From November 5 (Tue) to November 8 (Fri), 2024, 5:00 PM (JST)

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

3. Submission Address

Student Affairs Office, Hirosaki University Graduate School of Health Sciences, 66-1 Hon-cho,
Hirosaki-shi, 036-8564, Japan

4. Notification of Recognition Results

Applicants will be notified of the results of their review by e-mail by either of the following dates.

1st Recruitment Period : July 10 (Wed) 2024

2nd Recruitment Period : November 27 (Wed), 2024

I-5. Application Procedures

1. Application Period

1st Recruitment Period : From July 16 (Tue) to July 19 (Fri), 2024, 5:00 PM (JST)

2nd Recruitment Period : From December 9 (Mon) to December 13 (Fri), 2024, 5:00 PM (JST)

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

2. Application Method

Applicants are asked to assemble the following application documents and make sure to send them by registered mail, such as Express Mail Service (EMS), where a tracking number is provided. Please write the following in red on the front of the envelope: "Enclosed are Application Documents for Special Selection of Foreign Students, Master's Course, Graduate School of Health Sciences." Before mailing the application documents, please also pay the entrance examination fee by bank transfer.

Submit to: 66-1 Hon-cho, Hirosaki-shi 036-8564, Japan

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

Email: jm5911@hirosaki-u.ac.jp, FAX: +81-172-39-5912

3. Precautions for Application

- Incomplete application documents will not be accepted.
- The contents of documents cannot be changed after application. However, in the event of a change of name, address or telephone number, please contact the Student Affairs Group of Hirosaki University Graduate School of Health Sciences.
- Paid examination fees will not be refunded for any reason, except in the following cases:
 - (1) The examination fee was paid, but the application documents were not submitted
 - (2) The examination fee was paid, but the application documents were not accepted
 - (3) The examination fee was paid twice in error
- In the event of false information in the application documents, admission may be revoked even after admission is complete.

4. Examination Fee Payment Methods

Please remit the examination fee of 30,000 yen from an overseas financial institution according to the following procedure. Applicants are encouraged to carry out this procedure as soon as possible since transfers take time. Please make sure that the transfer arrives into the specified account by the following date.

1st Recruitment Period : July 19 (Fri), 2024

2nd Recruitment Period : December 13 (Fri), 2024

Transfer details

Type:	Wire transfer
Payment Method:	Bank transfer
Paying Bank Charge:	Sender
Via Bank charges:	Sender
Transfer Amount:	30,000 yen
Purpose of Transfer:	Examination 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

- * The sender of the transfer is asked to give the name of the applicant in the transfer details.
- * If the money is to be transferred from outside of Japan, an additional “transfer fee” and “Japanese bank transaction fee” will need to be paid for the transfer. This transfer fee and Japanese bank transaction fee are to be paid by the sender.
- * For the Japanese bank transaction fee, please make sure to notify the bank teller that it will be “paid by sender”. If this is not specified, Aomori Bank will deduct the transaction fee from the transfer amount, making the payment to Hirosaki University insufficient. In such cases, the entrance examination fees will not be considered paid, so please be cautious of this.
- * After making the transfer, please submit the Entrance Examination Fee Remittance Confirmation Form (Foreign Students - Form 3) along with the other application documents.

I-6. Application Documents

Table 4: Special Selection of Foreign Students, List of Application Documents

- * English versions of the application documents (forms 1–7, A) can be downloaded from the Graduate School of Health Sciences Website. URL: <http://www.hs.hirosaki-u.ac.jp/kouhou/hg/web/entrance.html>
- * Documents indicated by ☉ must be submitted, while documents indicated by ○ are only to be submitted by relevant applicants.

Documents	Description	
(1) Special Selection of Foreign Students Admission Application Form	Please fill out the necessary items on Foreign Students – Form 1.	☉

(2) 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.	◎
(3) Curriculum Vitae (Resume)	Please fill out the necessary items on Foreign Students – Form 3 and submit this form.	◎
(4) Academic Transcripts	(a) Created and placed in a sealed envelope by the president or other administrative head of your graduating university (b) Not needed for those applying according to Appropriate Requirements (2) or (3)	○
(5) Examination Fee and Entrance Examination Fee Remittance Confirmation Forms	Please remit the entrance examination fee of 30,000 yen to the specified transfer account. Please also fill out the necessary items on the Entrance Examination Fee Remittance Confirmation Form (Foreign Students – Form 4) and submit this form.	◎
(6) Graduation (Expected) Certificates	(a) Created by the president or other administrative head of your graduating university (b) Those applying according to Application Requirements (2) or (3) must submit their Entrance Examination Pass Results (copy)	○
(7) Research History or Performance Report for Specialized Training	Please fill out the research topics studied during university enrollment or after graduation, or your record of participation in specialized, expertise-related training on Foreign Students – Form 5 and submit this form. (Note 1) Please affix separate prints or copies of your books, academic papers, etc.	◎
(8) English Proficiency	Please fill out the results of your English language proficiency test (TOEIC, TOEFL or IELTS) on Foreign Students – Form 5 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.	◎
(9) Research Plan	Please fill out the necessary items on Foreign Students – Form 6 and submit this. (No more than 2,000 Japanese characters or 500 English words.)	◎
(10) Letter of Recommendation	Those working as supervisors etc. at their graduating (expected) university or employed by a government office or company must submit a letter of recommendation created by their immediate supervisor or equivalent person (optional form)	◎
(11) Letter of Acceptance and Recommendation from a Graduate School Faculty Member	Applicants are asked to contact their desired supervisor (accepting faculty member) from the Graduate School of Health Sciences, and seek guidance regarding their research plan and other matters in addition to obtaining their consent for providing supervision and a letter of recommendation. The desired supervisor (accepting faculty member) must fill out the necessary items on Foreign Students – Form 7 and sign this form, which must be submitted together with documents showing the correspondence history (copies of correspondence including letters, e-mails, etc.) between the desired supervisor (accepting faculty member) and the applicant.	◎
(12) 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.	◎
(13) Address Labels	The address labels (Foreign Students – Form 8) will be used when sending your Notification of Examination Pass, admission procedure documents and other correspondence. Applicants are therefore asked to accurately fill out their postal code, address and name throughout this entire form and submit it together with the other application documents. In the event of a change of address or other details after application, please inform the Academic Affairs Group of this fact promptly.	◎

※ If Application Documents is not written in English or Japanese, the original one and its English or Japanese translation must be submitted.

* Please follow the following steps for **Form 7** of the application documents.

- Please choose a desired supervisor from among the faculty members of the Graduate School of Health Sciences. Applicants are asked to contact the Academic Affairs Group of the Graduate School of Health Sciences by e-mail in addition to directly contacting their desired supervisor.
- Applicants are asked to make close contact with their desired supervisor to seek guidance and advice regarding their research plan and to ensure they obtain the desired supervisor's consent prior to application.
- **Form 7** is submitted by the desired supervisor, so applicants are asked to confirm with their desired supervisor that submission has taken place.
- If Application Documents is not written in English or Japanese, the original one and its English or Japanese translation must be submitted.

I-7. Method of Selecting Students

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	10 : 00~	Hirosaki University (Honcho Campus, the Building of Graduate School of Health Sciences)

II. Announcement of Examination Pass Results and Related Procedures

II-1. Announcement of Examination Pass Results

1st Recruitment Period : September 20 (Fri), 2024, 10:00 AM (planned)

2nd Recruitment Period : February 14 (Fri), 2025, 10:00 AM (planned)

- Successful applicants will be sent a Notification of Examination Pass by mail.
- The number of successful applicants will also be listed on the Website of the Graduate School of Health Sciences.
URL: <https://ghs.hirosaki-u.ac.jp/>
- We will not respond to any inquiries about examination results by phone or other means.

II-2. Admission Procedures

Successful applicants for special selection of foreign students are asked to mail (by EMS) or submit in person the necessary documents in addition to paying the admission fee by bank transfer within the admission period.

1. Period and Place of Admission

- Please directly visit the Graduate School to carry out admission procedures. (Mail-in allowed, ~~to~~

Admission period : From February 27 (Thu) to February 28 (Fri), 2025

Admission place : 66-1 Hon-cho, Hirosaki-shi, 036-8564, Japan

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

Email : jm5911@hirosaki-u.ac.jp

- If admission procedures are not completed within the above-mentioned period, admission will be treated as declined.

2. Costs Required for Admission (planned)

- Admission fee : 282,000 yen
- Tuition fees : 267,900 yen per semester (535,800 yen per academic year)

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. Protection of Personal Information

Addresses, names, dates of birth and other personal information will only be used for selection of students for admission, announcements of examination pass results, admission procedures and related matters, and for management of student ID numbers and grades in academic affairs following admission. The acquired personal information will be managed appropriately and not used for any purpose other than its intended use.

II-4. The Radiological Health Science Course

The academic objectives for training human resources for the Radiological Health Science Course are listed below.

Those who have completed the Radiological Health Science Course will be granted the title of Radiological Health Scientist.

Furthermore, the Radiological Health Science Course does not have any provisions regarding staff quotas or restrictions.

However, the topics of Master's theses for the Radiological Health Science Course must be related to radiation.

Objectives

To train high-level specialists and leaders in emergency radiological medicine as human resources capable of preparing for emergency accidents related to radiation, as well as educators and researchers capable of contributing to the development of academics in this field.

Academic objectives

- (1) To master specialist knowledge and skills relating to emergency radiological medicine.
- (2) To master leadership capabilities required in the field of emergency radiological medicine.
- (3) To master training and research capabilities relating to emergency radiological medicine.

II-5. Other Matters

Applicants with physical disabilities are asked to contact the following number prior to application considering their potential need for special considerations with respect to examinations and learning.

If any other questions or uncertainties arise during application, 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

Supervising Faculty in Each Field and Research Topics List of Advisors

Table 5-a Nursing Science

Advisors	Research Themes
Norio Nakamura, Professor Tel: +81-172-39-5930 nnakamur@hirosaki-u.ac.jp	<input type="radio"/> Influence of fatty acid metabolism on kidney disease
Yuka Noto, Professor Tel: +81-172-39-5923 noto@hirosaki-u.ac.jp	<input type="radio"/> Palliative care in cancer patients <input type="radio"/> Radiation protection in nursing
Akemi Fujita, Professor Tel: +81-172-39-5948 a_fujita@hirosaki-u.ac.jp	<input type="radio"/> QOL of cancer patients and their families <input type="radio"/> Patient education <input type="radio"/> Improvement of the daily lives of persons with health problems
Noriko Ogura, Professor Tel: +81-172-39-5907 ogu1224@hirosaki-u.ac.jp	<input type="radio"/> Career development and/or continuation education for nurses <input type="radio"/> Job satisfaction and/or workplace environment of nurses <input type="radio"/> Patient education by nurses
Chiaki Kitamiya, Professor Tel: +81-172-39-5945 chiaki@hirosaki-u.ac.jp	<input type="radio"/> Support for families of chronically ill children <input type="radio"/> Role of public health nurses in a nuclear disaster
Chikako Tono, Professor Tel: +81-172-39-5947 tonochikako2978@hirosaki-u.ac.jp	<input type="radio"/> Optimal management for pediatric chronic myeloid leukemia
Haruka Otsu, Professor Tel: +81-172-39-5996 h_otsu@hirosaki-u.ac.jp	<input type="radio"/> Nursing for demented elderly people with physical disease <input type="radio"/> Preventing deterioration of chronic disease and comprehensive disease management for elderly people <input type="radio"/> Prevention of frailty and improvement of condition of need for long-term care
Toshiko Tomisawa, Professor Tel: +81-172-39-5933 tmtott@hirosaki-u.ac.jp	<input type="radio"/> Education using simulation <input type="radio"/> Critical thinking and nursing diagnosis <input type="radio"/> Self-management in diabetes <input type="radio"/> Development of educational materials applying Internet Technology and Virtual Reality <input type="radio"/> Disaster Nursing
Mayumi Sato, Associate Professor Tel: +81-172-39-5953 sato-ma@hirosaki-u.ac.jp	<input type="radio"/> Socialization of new graduate nurses <input type="radio"/> Continuing nursing education <input type="radio"/> Nursing method in visit nursing
Mayumi Urushizaka, Associate Professor Tel: +81-172-39-5944 urushima@hirosaki-u.ac.jp	<input type="radio"/> Experiences and support for patients with chronic illness <input type="radio"/> Nursing on radiation emergency medicine
Ayako Ohgino, Associate Professor Tel: +81-172-39-5903 ohgino@hirosaki-u.ac.jp	<input type="radio"/> Young adult with childhood-onset chronic diseases <input type="radio"/> Psychological stress and coping <input type="radio"/> Nursing for children undergoing medical examination and treatment
Maiko Kitajima, Associate Professor Tel: +81-172-39-5984 kitajima@hirosaki-u.ac.jp	<input type="radio"/> Symptom relief for patients
Co-Advisor	Research Themes
Shizuka Takamagi Assistant Professor Tel: +81-172-39-5952 takamagi@hirosaki-u.ac.jp	<input type="radio"/> Diet and exercise during pregnancy <input type="radio"/> Visualization of nursing techniques and its use in education <input type="radio"/> Support for mothers and children during disasters

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"> ○Advanced technology and standardization of radiation measurement and dose assessment ○Evaluation and analysis of behavior of radioactive materials and radiation in the environment ○Risk analysis for construction of a radiation protection system including risk communication and epidemiology
Eichi Tsuruga, Professor Tel: +81-172-39-5954 tsuru@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Regulation of alveolar elastic fibers ○Mechanism of skin dermis elastic system fiber formation ○Remodeling of the ciliary zonule ○Biological basic research leading to an effective radiation therapy ○Study on roles of organelles in cellular radiation response ○Dose evaluation using Monte Carlo method in medical exposure ○Evaluation of dose distribution in radiation therapy by Monte Carlo method
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
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 ○Safety utilization of medical radiation
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
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 mechanism in 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
Megumi Tsushima, Lecturer Tel: +81-172-39-5920 tmegumi@hirosaki-u.ac.jp	<ul style="list-style-type: none"> ○Clinical study on ultrasonic diagnosis of the atherosclerosis ○Practice of the radiation education
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

Minoru Osanai, Assistant Professor Tel: +81-172-39-5524 ominoru@hirosaki-u.ac.jp	○ Safety utilization of medical radiation
Shingo Terashima Assistant Professor Tel: +81-172-39-5525 s-tera@hirosaki-u.ac.jp	○ Dose evaluation using Monte Carlo method in medical exposure ○ Evaluation of dose distribution in radiation therapy by Monte Carlo method
Hironori Yoshino, Assistant Professor Tel: +81-172-39-5528 hyoshino@hirosaki-u.ac.jp	○ Biological basic research leading to an effective radiation therapy ○ Study on roles of organelles in cellular radiation response
Masaru Yamaguchi Assistant Professor Tel: +81-172-39-5961 masarun@hirosaki-u.ac.jp	○ Study on the radio-mitigative therapy of individuals exposed to total body irradiation

Table 5-c Bioscience and Laboratory Medicine

Advisors	Research Themes
Yusuke Tando, Professor Tel: +81-172-39-5992 ytando@hirosaki-u.ac.jp	○ Identification of therapeutic targets and treatments for diabetes mellitus, obesity and other nutritional diseases (biomarkers, assessment tools and measuring devices)
Kazufumi Yamagata, Professor Tel: +81-172-39-5932 kymgt@hirosaki-u.ac.jp	○ 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 Tel: +81-172-39-5916 tomo1027@hirosaki-u.ac.jp	○ 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	○ 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	○ 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	○ Development of novel cytogenetic parameters for biodosimetry ○ Analysis of background factors that affect chromosomal abnormalities ○ Analysis of chromosomal abnormalities in occupational and medical exposure ○ Study on biological effects of radiation exposure ○ Effects of apple procyanidins on the prevention of lifestyle-related disease
Kayo Horie, Associate Professor Tel: +81-172-39-5969 k-horie@hirosaki-u.ac.jp	○ Research on extracellular vesicles endogenous factors in ovarian cancer ○ Prevention of lifestyle diseases through using plant-derived bioactive compounds (phytochemicals)
Hirofumi Tazoe Assistant Professor Tel: +81-172-39-5503 tazoe@hirosaki-u.ac.jp	○ 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	○ 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	<input type="radio"/> Study on the function of extracellular vesicles <input type="radio"/> Cancer and functional RNA <input type="radio"/> Cancer invasion and metastasis <input type="radio"/> Identification of a biomarker for early diagnosis
Co-Advisors	Research Themes
Kanako Yamanouchi, Assistant Professor Tel: +81-172-39-5973 kanako.8@hirosaki-u.ac.jp	<input type="radio"/> Ecological survey and pathological analysis of free-living amoeba. <input type="radio"/> Study on reduction of radiation-induced intestinal disorders using intestinal flora.

Table 5-d Comprehensive Rehabilitation Science

Advisors	Research Themes
Atsushi Oda, Professor Tel: +81-172-39-5979 atusioda@hirosaki-u.ac.jp	<input type="radio"/> Relationship between foot function and athletic capability <input type="radio"/> Practical research of insole therapy for foot and lower extremity impairments <input type="radio"/> Prevention of dysfunctions resulting from sports injuries <input type="radio"/> Clinical research of kinetic chain in posture change <input type="radio"/> Three-dimensional analysis of human posture and movement <input type="radio"/> Physical evaluation and therapy
Kazumaru Wada, Professor Tel: +81-172-39-5986 kw@hirosaki-u.ac.jp	<input type="radio"/> QOL improvement for persons with mental disorders <input type="radio"/> Promotion of social participation for persons with mental disorders <input type="radio"/> Research on cognitive function in patients with schizophrenia <input type="radio"/> Clinical course and prognosis of patients with epilepsy
Akiyoshi Takami, Professor Tel: +81-172-39-5976 a-takami@hirosaki-u.ac.jp	<input type="radio"/> Gait assessment after stroke and research on gait therapy for stroke <input type="radio"/> Risk management of stroke <input type="radio"/> Stroke assessment scale <input type="radio"/> General clinical assessment scale (Cancer·Cardiovascular·Childhood·Respiratory disease,etc)
Eiki Tsushima, Professor Tel: +81-172-39-5980 pteiki@hirosaki-u.ac.jp	<input type="radio"/> Motion analysis of patients with musculoskeletal disorders <input type="radio"/> Electromyography analysis of motion <input type="radio"/> Epidemiology and biostatistics for physical therapy research <input type="radio"/> Research for evaluation and practice of physical therapy
Hideki Yoshida, Associate Professor Tel: +81-172-39-5975 ptyoshi@hirosaki-u.ac.jp	<input type="radio"/> Effect verification and new intervention method development on electrophysical agents (EPA) <input type="radio"/> Effectiveness of combined or simultaneous use of EPA and therapeutic exercise <input type="radio"/> Application of EPA to psychosomatic health promotion <input type="radio"/> Pain rehabilitation based on physical therapy <input type="radio"/> Assessment and intervention related to physical therapy
Jumpei Takahashi Associate Professor Tel: +81-172-39-5977 junpei@hirosaki-u.ac.jp	<input type="radio"/> Clinical research of determination of walking independence in stroke patients <input type="radio"/> Motion analysis about sit-to-stand using upper limb <input type="radio"/> Clinical reasoning in physical therapy <input type="radio"/> Therapeutic exercises of muscle strength training and stretching <input type="radio"/> Physical evaluation and therapy
Yuichi Hirakawa, Lecturer Tel: +81-172-39-5988 yhira@hirosaki-u.ac.jp	<input type="radio"/> Motion analysis of activities of daily living, and research of occupational therapy using motion analysis <input type="radio"/> Development of assistive technology <input type="radio"/> Epidemiological research on health promotion and preventive long-term care for community residents
Hidefumi Kamitani, Lecturer Tel: +81-172-39-5987 kamihide@hirosaki-u.ac.jp	<input type="radio"/> Analysis of activities of daily living for physical disabilities <input type="radio"/> Development of assistive technology <input type="radio"/> Epidemiological research on preventive care for community residents
Toshufumi Fujita Lecturer Tel: +81-172-39-5544 pttoshi@hirosaki-u.ac.jp	<input type="radio"/> Fall prevention and dementia prevention of stroke patient and elderly person <input type="radio"/> Effectiveness of the whole body vibration exercise <input type="radio"/> Functional foods, a material and exercise therapy <input type="radio"/> Physical evaluation and therapy <input type="radio"/> General clinical assessment scale

<p>Shuhei Koeda, Lecturer Tel: +81-172-39-5990 ot_koeda@hirosaki-u.ac.jp</p>	<p>○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</p>
Co-Advisor	Research Themes
<p>Makoto Tanaka Assistant Professor Tel: +81-172-39-5991 tanakam@hirosaki-u.ac.jp</p>	<p>○QOL improvement for persons with mental disorders ○Promotion of social participation for persons with mental disorders ○Research on cognitive function in patients with schizophrenia</p>
<p>Misato Msakino Assistant Professor Tel: +81-172-39-5543 ptmakino@hirosaki-u.ac.jp</p>	<p>○Motion analysis of stroke patients ○Gait assessment after stroke and research on gait therapy for stroke ○Stroke assessment scale ○Physical evaluation and therapy</p>
<p>Junichi Yokota Assistant Professor Tel: +81-172-39-5982 jun04770@hirosaki-u.ac.jp</p>	<p>○Rehabilitation of internal medicine (coronary, pulmonary, renal, and cancer rehabilitation) ○Swallowing rehabilitation</p>
<p>Takaaki ishikawa Assistant Professor Tel: +81-172-39-5519 takaaki@hirosaki-u.ac.jp</p>	<p>○Three-dimensional analysis of sports movements related to sports injuries ○Prevention and treatment of sports injuries ○Motion analysis of foot motion ○Physical evaluation and therapy</p>