

2021

Tokushima University

Graduate School of Health Sciences

Doctor of Health Sciences

Application Guidelines

(General Admission / Special Admission for Working People/ Special Admission for (Privately Funded) International Students)

Tokushima University

Admission Schedule: 2021

Doctoral Course of Health Sciences, Graduate School of Health Sciences, Tokushima University

Applicant Qualifications

The Admission Schedule for the Doctoral Degree at the Graduate School of Health Sciences, Tokushima University

Applicant Qualifications:

Prior Consultation Period: Monday, June 22 – Friday, June 26, 2020

* Results of Initial Screening of Applications by post to all applicants by Tuesday, July 8, 2020

Application Period: Successful applicants must apply during July 9- 16.

Wednesday, July 9 – Thursday, July 16, 2020

Date of Entrance Examination: Saturday, August 29, 2020

* Announcements of test results: Wednesday, September 23, 2020

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Outlines of Areas and Field

1. Admission Policy

The Graduate School of Health Sciences, Doctor of Health Science Program seeks applicants who possess the following qualifications and motivations:

- A) Those who are motivated to specialize in clinical fields and develop as researchers and academics, and contribute towards the promotion of quality health care, prevention of illness, medical treatments, recovery, and quality life support of patients.
- B) Those who have the ambition to boldly design and develop new medical treatments even those treatments which cannot be wholly studied within the current academic framework.

2. Number of Students to be Admitted:

Table.1

Major	Area	Field	Degree	Enrollment Limit
Health Sciences	Health and Nursing Sciences	Lifelong Health Nursing	Doctor of Philosophy (Health Sciences)	FIVE (5)
		Lifelong Health and Medical Science		
	Radiological Sciences	Radiological Science		
	Biomedical Laboratory Sciences	Pathophysiological Laboratory Sciences		

- The enrollment limit indicated in Table 1, includes both types of applicants: working people (for part-time study) and privately-funded international students.

3. Admission Categories

- A) Entrance Examinations:

The procedures for both the “General Entrance Examination” and “Entrance Examination for Working People,” and the “Entrance Examination for Privately Funded International Students” will be conducted in all the identified areas and fields (in Table 1).

- B) An applicant can only apply for ONE of the AREAs in the three categories listed above.
- C) Changing a category after application is NOT allowed.

4. Applicant Qualifications

1) General Entrance Examination Applicants and Entrance Examination for Privately Funded International Students. Applicants must satisfy **one** of the following requirements.

General Entrance Examination Applicants:

- (1) Those who have obtained or expect to obtain a Master’s Degree or Professional Degree by March 31, 2021)
- (2) Those who have obtained or expect to obtain a Master’s Degree (or equivalent) or Professional Degree from a university/institution abroad (outside of Japan) by March 31, 2021).
- (3) Those who have obtained or expect to obtain a Master’s Degree or Professional Degree (or equivalent) by studying the relevant subject in Japan through a correspondence course provided by a school abroad (by March 31, 2021).
- (4) Those who have completed a degree, or a qualification equivalent to the curriculum recognized by the Japan Ministry of Education, at a foreign university assuming that graduates have completed or expect to complete a Master’s Degree or equivalent in another country (by March 31, 2021).

- (5) Those who have completed a United Nations University Degree, Master's Degree, or equivalent.
- (6) Those who have completed a course at a foreign school, an educational institution designated Above (1 to 4), or the United Nations University; passed an examination or a screening test which corresponds to those prescribed in Article 16, Paragraph 2 of the Standards for the Establishment of Graduate Schools; and have qualified with an academic standard equivalent to or higher than those who have obtained a Master's Degree.
- (7) Those who have been appointed by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in Announcement No. 118 of 1988 as described below.
 - Those who have graduated from universities and have been engaged in research for more than two years at universities or in research laboratories, and were assessed to hold higher academic ability based on their research achievements than those who hold a Master's Degree/Professional Degree.
 - Those who have completed 16 years of education at a school abroad or by studying through a correspondence course offered by schools abroad in Japan, AND engaged in research for more than two years afterwards and were assessed to hold higher academic ability based on their research achievements than those who hold a Master's Degree/Professional Degree.
- (8) Those who are qualified to have a higher academic ability than those who hold a Master's Degree/Professional Degree by the Graduate School of Health Sciences based on an individual qualification screening, and who will be 24 years of age or older on April 1, 2021.

2) Special Examination for Working People (Part-time)

Applicants for the Special Examination for Working People must satisfy **one** of the stipulated requirements for the General Entrance Examination stated above, **and** must currently be working and will remain in their position in medical/healthcare/welfare facilities, educational institutions, the public office, or other companies after admission, **or** must be expected to start working in the previously stated institutions with permission granted from the workplace.

5. Screening of Individual Applicant Qualifications

Applicants who apply by fulfilling (6), (7), or (8) of the **General Entrance Examination Applicants** requirements stated above, must in advance, undergo the individual applicant qualification screening process.

1) Application Outlines

(1) Application Period for Qualification Screening

Monday, June 22 –Friday, June 26, 2020 (~~excluding weekends and holidays~~)

(2) Application Procedure

- Applicants must send the required documents by post (via registered mail or registered express mail to reach the office by the deadline) or personally deliver them to the related office. (Please refer to page 9 for information about the location where you are to submit the documents.)

(3) Announcement of the Results of the Applicant Qualification Screening

- The result of the applicant qualification screening will be delivered by post to applicants by Wednesday, July 8, 2020.
- Successful applicants must proceed with application during the prescribed period. (Please refer to page 5)

2) Screening Method

- A pre-selection of applicant qualifications based on the submitted documents.
- The final screening for applicants who meet the requirements (8) will be conducted according to the specific category criteria.

Screening criteria for applicants who meet requirement (8)

• Health and Nursing Sciences

- (1) Those who have obtained a Bachelor's Degree by graduating from a university or by the prescription of Paragraph 2, Article 104 of the School Education Law; have over five years of work experience, **AND** have published five or more data-based papers (must be a "lead author" for three of the five papers).

- (2) Those who have completed junior college (two-year college), technical college, or a special technical school course, or who have completed a course at other educational institutions, **AND** have engaged in research at a university, company, or governmental laboratory for more than five years, or have more than five years of work experience and have published five or more data-based papers (must be a “lead author” for three of the five research papers).
- Radiological Sciences Area

Those who have graduated from a university, junior college (two-year college), technical college, or special technical school or who have completed a course at an overseas educational institution for 16 years, **AND** who will have more than three years working experience (in total) by March 2021 in medical/healthcare/welfare facilities, educational institutions, the public office, or other companies, **AND** who hold a higher academic ability than those with a Master’s Degree/ Professional Degree level based on their achievements through publications, academic papers, presentations, and so on.
 - Biomedical Laboratory Sciences Area

(1) Those who have obtained a Bachelor’s Degree by graduating from a university or by the prescription of Paragraph 2, Article 104 of the School Education Law, who have more than two years of working experience, **AND** who is deemed to have the academic ability equivalent to or higher than those who have completed a master’s course at the Graduate School of Health Sciences of Tokushima University, based on their achievements through publications, academic papers, academic lectures, academic reports, etc.

(2) Those who have completed a junior college (two-year college), technical college, or special technical school course, or who have completed a course at other educational institutions, **AND** who have engaged in research in medical/healthcare/welfare facilities, educational institutions, the public office, or other companies for more than four years, or have more than four years of working experience, **AND** who is deemed to have the academic ability equivalent to or higher than those who have completed a master’s course at the Graduate School of Health Sciences of Tokushima University, based on their achievements through publications, academic papers, academic lectures, academic reports, etc.

3) Documents to be Submitted

Applicants who apply by fulfilling (6), (7), or (8) must submit the documents stipulated in Table 2 below.

Table.2 Outline of Documents to be Submitted by Applicant

1. Application Form	Completed and filled out. (Attached to this brochure).
2. Transcript of Educational Records	Transcripts of Educational Record must be from the last educational institution at which you were enrolled, and must be executed and placed in an envelope and sealed by a principal of the institution. If your last institution is a junior college (two-year college) or technical college, please submit a grade transcript.
3. Degree Certificate from previous institution	A certificate must be signed by a principal of the institution. If you dropped out, please submit a Commuting Certificate (<i>TSUUGAKU SHOUMEISHO</i>) or Certificate of Enrollment.
4. Curriculum Vitae (CV) or Biographical Data Form	<u>Copy and complete</u> the form at the back of the application form (entitled “biographical data”).
5. Research Achievements (Graduation Thesis or Dissertation): Evidence of thesis or dissertation	Attached to this brochure
6. Research Plan	Fill out the document attached to this brochure as indicated below. 1. Past research achievements 2. Future research plan
7. Certificate of Job Tenure	A certificate signed by the manager of your previous and/or current workplace depicting your job tenure and position. (There is NO designated form for this.)

8. Return-mail envelope for notification of results	A 120 mm×235 mm (<i>nagagata san-gou</i>) envelope with applicant's home address, name, postal code, and a ¥374 stamp.
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6. Application Procedure

1) Application Documents

Please submit, by the deadline, the required documents stipulated in Table 3 below to the University Office of Student Affairs, Education Division, Section 2.

Table.3 List of Application Documents

Application Documents	Health and Nursing Sciences	Radiological Sciences	Biomedical Laboratory Sciences	Abstract
1.Application Form	◎	◎	◎	The Application Form is attached to this brochure. Please complete both sides.
2.Admission Ticket and Photographs	◎	◎	◎	For each form attached to this brochure, please attach photographs (must have been taken within the last 3 months, be 4×3 cm in size, and must be upper body photos with the subject facing directly at the camera, with a bare head, and with glasses only if you will wear glasses in the entrance examination).
3.Transcripts of educational records	◎	◎	◎	The original copy of the transcripts must be signed by a principal of your current or previous educational institution.
4.Certificate of Completion (or Expected Completion)	◎	◎	◎	The certificate must be signed by a principal of your previous educational institution. In case you dropped out before graduation/completion of the course, please submit either a "Certificate of Withdrawal" or "Certificate of Enrolment Period."
5.Degree Certificate	○	○	○	Only for those who received a degree issued by the National Institution for Academic Degrees and University Evaluation.
6.Letter of Motivation	◎	◎	◎	Complete the form attached to this brochure.
7.Research Plan	◎	◎	◎	Complete the form attached to this brochure.
8.License (copy)	○	○	○	For those applying under requirement (8) or through the Special Entrance Examination for Working People AND possess a nursing license/midwifery license/health nursing license/clinical radiologist license/clinical laboratory technician license, please submit a copy of these licenses.

9. Employer Endorsement Letter	Not necessary	○	○	For those applying through the Special Entrance Examination for Working People who are expected to remain in their current working position at the time of the Entrance Examination, please submit an Acceptance Letter (attached to this brochure) written by your manager.
10. Certificate of Alien Registration or a Copy of Passport	○	○	○	For those applying as international students, please submit a copy of your “Certificate of Alien Registration (gaikokujin jumin toutoku shomeisho)” issued by each City Office OR a copy of your passport.
11. Recommendation of instructor (teacher)	◎	◎	◎	Only for persons applying as Un-sponsored International Students. ※ Format is dependent on instructor (free format)
12. Entrance Examination	◎	◎	◎	Fee: ¥ 30,000. Please make payment by postal account transfer and receive a “Certificate of Payment (for application): <i>kentei-ryo harai-komi shomeisho (syutugan-you)</i> .” Applicants must attach it to the “Certificate of Entrance Examination Fee Payment” (the form is attached to this brochure) and submit the form. There is NO NEED to make a payment if you are currently enrolled in the Master’s program at the Faculty of Medicine, Tokushima University, and are to continue with the Doctoral Degree program.
13. Return-mail Envelope to Send the Admission Ticket	◎	◎	◎	Please write your postal code, address, and name, and paste a ¥ 362 stamp on the envelope for express mail. (A 120 mm×235 mm (<i>nagagata san-gou</i>))
14. Address Ticket	◎	◎	◎	Please complete the form attached to this brochure with your postal code, address, and name.

*ALL applicants must submit documents marked with double open circle, while documents with single open circle must only be submitted by the relevant applicants.

**NOTE: If the relevant documents for (3), (4), or (7) were accredited during the applicant qualification screening process, then applicants do not need to re-submit them.

2) Application Period

Thursday, July 9, 2020 – Thursday, July 16, 2020 (excluding weekends)
Office hours are from 9:00 to 17:00.

Application documents must be delivered by 5:00pm on July 16, 2020. (This applies to both personally delivered and posted submissions.)

Application documents delivered LATER THAN 5:00pm on July 16, 2020 will not be accepted except for express mails bearing a postmark from the originating post office (domestic) indicating a date before or on the deadline (July 15).

3) How to Submit Applications

Please, use the relevant forms and send or deliver application documents to the address referred to on page 9.

4) Important Reminders for Applicants

- Application documents with any documents omitted will not be accepted.
- Please use an inebel black ballpoint pen and complete the application correctly.
- Changes on application documents after submission are not acceptable. However, in case there is a change to your name, address, or telephone number, please contact the University Office of Student Affairs, Education Division, Section 2.
- Please be aware that no refunds will be issued once your application documents or entrance examination fees have been received.
- An admission ticket will be sent to each applicant after receipt of the application. Please contact the University Office of Student Affairs, Education Division, Section 2 if the admission ticket has not been delivered **within three days before the examination date.**
- Your admission may be cancelled if it is found that your application contains misleading/erroneous information.

7. Prior Consultation

Prior to application, please contact the teacher from whom you intend to get instruction and consult him/her about your research plan or other matters.

- Please refer to pages 10–13 for an outline of each area and the contact information for arranging prior consultation.

For any other inquiries, please contact the personnel in charge (refer to page 9 for details).

Privately funded international exchange student applications

- When applying, privately funded international students should contact the desired instructor beforehand and apply upon their referral.

- The Tokushima University International Student Portal

All prospective foreign students will be able to apply to Tokushima University through the use of the website below: **guide for international students.**

http://www.tokushima-u.ac.jp/isc/admission/english/graduate_school/

Information (Research Outline) on each faculty member whom you would like to receive advice on research is indicated on pages 10-13.

8. Special Measures based on Graduate School Establishment Standards

- The university offers both day and night courses based on Article 14 of the Graduate School Establishment Standards, and lectures or intensive courses are offered at night or during other exceptional hours.

9. Admission Process

1) About the Admission Process

- (1) General admission and special admission for working people

The university will comprehensively screen and select successful applicants based on the entrance examination, interview, and application documents.

- (2) Un-sponsored international students admission

The university will comprehensively screen and select successful applicants based on an oral examination (including a language study) and documents/credentials for application.

2) About the Entrance Examination

Health and Nursing Sciences

- The “English” examination includes general questions on health sciences. Applicants are not allowed to bring with them an English–Japanese dictionary. But, Applicants are allowed to borrow with one English–Japanese dictionary.

Radiological Sciences Area

- The “English” examination includes general questions on the health sciences. Applicants are not allowed to bring an English–Japanese dictionary.-But, Applicants are allowed to borrow with one English–Japanese dictionary.

Biomedical Laboratory Sciences Area

- The “English” examination includes general questions on the health sciences and applicants are not allowed to bring an English–Japanese dictionary. But, Applicants are allowed to borrow with one English–Japanese dictionary.

3) Interview

Health and Nursing Sciences

- An interview (oral assessment) will be conducted by a panel comprised of more than one interviewer on topics related to your past academic papers, education or practical activities in your field, and research ability.

Radiological Sciences Area

- An interview (oral assessment) will be conducted by a panel comprised of more than one interviewer on topics related to your past academic papers, education or practical activities in your field, and research ability.

Biomedical Laboratory Sciences Area

- An interview (oral assessment) will be conducted by a panel comprised of more than one interviewer on topics related to your past academic papers, education or practical activities in your field, and research ability.

10. Date and Location of the Entrance Examination

Table.4 Date of Entrance Examination

Examination date	Examination subject	Time	Domain name			Location
			Health and Nursing Sciences	Radiological Sciences	Biomedical Laboratory Sciences	
Saturday, August 29, 2020	English	10:30–12:00	○	○	○	Health Sciences Building C, Faculty of Medicine, Tokushima University
	Interview (Oral examination)	13:00–	○	○	○	

* Subjects marked with open circle will be conducted for applicants in each area.

Table.5 Date of Entrance Examination (Special Admission for (Privately Financed) International Students)

Examination date	Examination subject	Time	Domain name			Location
			Health and Nursing Sciences	Radiological Sciences	Biomedical Laboratory Sciences	
Saturday, August 29, 2020	Oral examination (Language exam is included.)	13:00–	○	○	○	Health Sciences Building C, Faculty of Medicine, Tokushima University

*Subjects marked with open circle will be conducted for applicants in each area.

11. Announcement of Successful Applicants

Wednesday, September 23, 2020, 10:00am

- Successful applicants will be notified via the bulletin board of the Faculty of Medicine. The admission numbers of successful applicants will be displayed. In addition, successful applicants will receive a letter of acceptance by post.
- Results will not be available by telephone

12. Enrollment Procedure

An outline of the enrollment procedure is provided below. Successful applicants will be contacted with more detailed information.

1) Enrollment Period

- By postal mail: Wednesday, February 17, 2021– Monday, February 22, 2021 (must arrive BY 5:00pm)
- By personal submission: Monday, February 22, 2021 (9:00am–5:00pm)

2) Method of Enrollment

- Successful applicants must send the required documents by post (via registered mail or registered express mail, which must arrive by the deadline) or deliver them directly. (Please refer to page 9 for the submission address.)
- Applicants who have not completed the enrollment procedure by Monday, February-22, 2021 will be considered withdrawn.

3) Admission Fee

- Admission fee is 282,000 Japanese yen (expected amount).

There is NO NEED to make a payment if you are currently enrolled in the Master's Program of the Graduate School of Health Sciences, Tokushima University, and are to continue with our Doctoral Degree program.

- Other Fees

Applicants are to make a payment for the “Disaster and Accident Insurance for Students,” as well as for a “Support Group Fee” is 60,000 Japanese yen (approximate figure, the actual amount will be announced).

* Once the admission fee has been received, it will not be refunded under any circumstances.

** Tuition: First Semester is 267,900 Japanese yen ; Annual Amount is 535,800 Japanese yen (both are expected amounts) .

If the admission or tuition fees are revised, the revised fees will come into effect at the time of revision.

*** It is possible to make full payment of the annual amount at the time when the first payment is made.

13. Long-term Enrollment System

- The long-term enrollment system is a system by which students such as those with jobs, are allowed, with proper planning, to complete a course over a period of more than three years.
- Changes to the enrollment period can be made depending on the enrollment circumstances of each student.
- The system will come into effect the following year in case the application was made after admission or during the enrollment period.

1) Eligibility

Students in an occupation or those who the School Administration believes a longer enrolment period is needed.

2) Enrollment Period

General enrollment period limit (three years) plus up to another three years.

3) Application Procedure

Please submit the application form at the time of the admissions procedure to the University Office of Student Affairs, Education Division, Section 2.

4) Announcement of Results

Each successful applicant will be notified of the results after completion of the admissions procedure.

5) Tuition

(1) Annual tuition is calculated as indicated below.

Designated Annual Tuition \times General Enrollment Period Limit (3 years) \div Permitted Enrollment Period

(2) As the exact tuition amount will be assessed when the results are announced (after the admissions procedure), please do not pay for tuition should you wish to apply for the Long-term Enrollment Period.

(3) If our tuition amount is revised during your period of enrollment, the revised tuition amount will be applied. You will be notified in that case.

14. Prior Consultation regarding Applicants with Disabilities

Applicants who need special assistance during the examination and enrollment period should consult the university before Friday, June 19, 2020. If you have any inquiries, please contact the office mentioned below.

[For inquiries regarding application documents, applicant qualification screening documents, and admission documents, please contact:]

**The University Office of Student Affairs, Education Division, Section 2,
3-18-15 Kuramoto-cho, Tokushima 770-8503
TEL: 088-633-9009 (direct line)**

15. Tokushima University *Yume* Scholarship

To foster excellent human resources in various fields, Tokushima University offers a scholarship for students.

General Outline of Each Field

Health and Nursing Sciences

Field	Specialty	Faculty	Research Outline
Health and Nursing Sciences	Nursing Education	IWASA Yukie Tel: 088-633-9005 E-mail: iwasa.yukie@ tokushima-u.ac.jp	Conduct research on coaching, mentoring and resilience to gather evidence for nursing education, to contribute to supporting nurses', as well as nursing students', ability development and career development.
	Recovery Support Nursing	MINAGAWA Takako Tel: 088-633-7644 E-mail: minagawa.takako@ tokushima-u.ac.jp	Conduct research with the aim of solving and improving problems that occur in clinical practice, such as the prevention and improvement of the onset and worsening of disease and the disuse syndrome associated with convalescence. Research and develop methods of prevention, support, and evaluation for patients who need recovery support, especially in the acute phase and from the onset.
	Outcome Management	TANIOKA Tetsuya Tel: 088-633-9021 E-mail: tanioka.tetsuya@ tokushima-u.ac.jp	Conduct research on methods and systems for providing high quality nursing services: interdisciplinary processes that strive to improve patient outcomes, technological competency as caring in nursing, administration and methods of leadership for improving patient care outcomes of hospitals and various health care settings.
		YASUHARA Yuko Tel: 088-633-7629 E-mail: yasuhara@ tokushima-u.ac.jp	Conduct research on support methods to improve quality of life of patients with chronic illness and/or older adults, its evaluation tools development, and the effects and phenomenon of caring that is the essence and central focus of nursing practice.
	Stress Coping and Palliative Care Nursing	IMAI Yoshie Tel: 088-633-9038 Email: imai@tokushima-u.ac.jp	Students conduct research to be able to contribute to the generation of theories of cancer patient's experience and the development of the nursing caring technology for the promotion of QOL for cancer survivors and their families. The students should develop their independent research competency.
	Community Health Nursing	OKAHISA Reiko Tel: 088-633-9977 E-mail: reiko.okahisa@ tokushima-u.ac.jp	Conduct research on developing and verification of a nursing practice program focusing on the strengths of people and communities in order to maintain and improve the health and quality of life of local residents and solve diversifying and complicated local health issues.
	School Health	OKUDA Kikuko Tel:088-633-9041 E-mail: okuda@ tokushima-u.ac.jp	Research on methods of health education and management to develop the foundations for a healthy life throughout a person's lifetime. Verify school nurses' practices as a core element of the school health organization. Conduct research on family and community health related to children's modern health issues and background factors.

	Midwifery	HAKU Mari Tel: 088-633-9080 E-mail: haku@tokushima-u.ac.jp	Research on inspection of the effectiveness of the Midwifery practice, and the development of the care evaluation method.
Health and Medical Science	Reproductive and Menopausal Health Science	YASUI Toshiyuki Tel: 088-633-9023 E-mail: tosyasui@tokushima-u.ac.jp	Learning the hormonal changes across the life in order to support the women's health Research on the associations of prevention, treatment and support of various symptoms during the menopausal transition with quality of life in the future.
	Mental Health Support	TOMOTAKE Masahito Tel: 088-633-9083 E-mail: tomotake@tokushima-u.ac.jp	Conduct study about risk factors, support system and prevention of mental problems and disorders.
	Medicine on Developmental Disabilities	MORI Kenji Tel: 088-633-9082 E-mail: moriken@tokushima-u.ac.jp	Conduct study about pathophysiology, biomarkers, early diagnosis and support system of developmental disabilities.
	Oncological Medical Support	KONDO Kazuya Tel: 088-633-9031 E-mail: kzykondo@tokushima-u.ac.jp	Conduct study of evaluating quality of life (QOL) of cancer patients treated using patient-reported outcome (PRO)- QOL questionnaires (SF-36 and those of the European Organization for Research and Treatment of Cancer (EORTC) etc.). Develop systems improving patient's QOL for some treatment (surgery, chemotherapy and radiotherapy).

Radiological Sciences

Field	Specialty	Faculty	Research Outline
Biomedical Information Science	Advanced Medical Image Equipment Engineering	YOSHINAGA Tetsuya Tel: 088-633-9050 E-mail: yosinaga@tokushima-u.ac.jp	Aims to train students to be effective researchers who can contribute to the research and development of medical imaging equipments and treatment planning systems. Current research projects include the development of (1) fast image reconstruction method for high quality CT image using active nonlinear dynamics; (2) nonlinear gradient method for optimizing intensity-modulated radiation therapy treatment planning based on dynamical system theory; and (3) dynamic image segmentation method utilizing synchronization phenomena in neuronal networks.
	Advanced Radioanalytical Chemistry	SAKAMA Minoru Tel: 088-633-9862 E-mail: -minorusakama@tokushima-u.ac.jp	Research keywords related to our studies performed in the Laboratory of Advanced Radioanalytical Chemistry are chemistry and physics of super heavy elements, radioactivity in the environment, radiation safety management, and inorganic analytical chemistry. In order to elucidate the various objectives in these individual and complex fields, both knowledge and approaches of nuclear and radiochemistry and analytical chemistry are essential, and also we are concurrently training students to be researchers who can contribute to the original and strategic researches in the fields. In addition, also conduct the advanced researches of Monte Carlo code PHITS for particle, heavy ion and radiation transport simulation.
	Radiation Biology and Medicine	MORITA Akinori Tel: 088-633-9052 E-mail: morita@tokushima-u.ac.jp	Basic study related to understanding and controlling biological radiation response for purpose of improving radiation therapy and providing important insight into radioprotection.
	Advanced Medical Image Informatics	HAGA Akihiro Tel: 088-633-9024 E-mail: haga@tokushima-u.ac.jp	Three research topics are ongoing in our laboratory; 1. Medical image reconstruction with machine learning model based on Bayes theory. 2. Medical image analysis with radiomics strategy and its application to diagnosis, treatment support, and prognosis prediction 3. Physics of photon and/or particle beams and its application to develop a new medical imaging device.
	Therapeutic Radiology	IKUSHIMA Hitoshi Tel: 088-633-9051 E-mail: ikushima@tokushima-u.ac.jp	The goal of our research is to establish a new treatment strategy using radiotherapy for refractory cancer based on a predictive factor derived from the molecular imaging.
	Metabolic / Functional Image Information Analysis	OTSUKA Hideki Tel: 088-633-9022 E-mail: hideki.otsuka@tokushima-u.ac.jp	Basic and Clinical research in metabolic / functional image using nuclear medicine technique (single photon and positron).

Biomedical Laboratory Sciences

Field	Specialty	Faculty	Research Outline
Pathophysiological Laboratory Sciences	Bioregulatory Sciences	ENDO Itsuro Tel: 088-633-9064 E-mail: endoits@tokushima-u.ac.jp	Conduct nursing research focused on technological knowing to describe the meaning of being human in a technological world. Technological competency as caring in nursing is an expression of caring in nursing. Technologies of care within nursing art and science focus on knowing persons as participants in their care rather than simply recipients of care.
	Microbiology and genetic analysis	KATAOKA Keiko (~2020/3/31) Tel: 088-633-9061 E-mail: kataokakeiko@tokushima-u.ac.jp	Conduct research on the role of intestinal bacteria in host immune system, prevention of opportunistic infectious disease, and health-promoting effect by prebiotics. Through basic microbiological analysis of pathogenic factor and animal model study, we aim at adapting students to new molecular diagnostic methods and nosocomial infection.
	Tumor Control Study	KONDO Kazuya Tel: 088-633-9031 E-mail: kzykondo@tokushima-u.ac.jp	We evaluate the mechanism of carcinogenesis and progression of thoracic malignancies (lung cancer and thymoma, etc) and apply it to the clinical diagnosis and treatment. 1) study for cancer-related genes and DNA repair genes hMLH of lung cancers in chromate (inhalation carcinogens)-exposed workers (Collaborate with Univ. of Kentucky and Louisville. 2) study for establish SCID mouse model orthotopically implanted lung cancer cell lines in order to elucidate the mechanism of chemoradiotherapy. 3) research for discovering cancer-related genes and DNA methylation to predict malignant indicators in thymoma and thymic carcinoma
	Cells and Immunity Analytics	HOSOI Eiji Tel: 088-633-9062 E-mail: hosoi@tokushima-u.ac.jp	Conduct fundamental research on genetic analysis technology and the expression mechanism of blood group oligosaccharide antigens, and on the functional expression of hemocytes, which are important in the area of clinical laboratory examinations, especially for transfusion medicine and Cell therapy.

Tokushima University, Graduate School of Health Sciences (Doctoral Program)
Application Form 2021

	Examinee Number	※			
Admission Category	General / Working People Special / Admission for (Privately Funded) International Students (Please circle)				
Name in <i>Hiragana</i>				Gender	
Name (Family name / First name / Middle name)				Male / Female	
Date of Birth	Year / Month / Date (Age:)				
Preferred Area	Health and Nursing Sciences / Radiological Sciences / Biomedical Laboratory Sciences (Please circle the area for which you wish to enroll)				
Preferred Field / Specialty		Planned Professor		Month and date of preliminary consultation	
Applicant Qualifications	University	Year / Month / Date circle)	Graduated / Expected date to graduate (Please circle)		
		University Name:			
		Department/Faculty:	Major:		
	National Institution for Academic Degrees and University Evaluation	Date Master's Degree was Obtained: Year / Month / Date			
		Major:			
	Other				
Current Address					
	TEL:				
Correspondence Address	Name (Family name / First name / Middle name)		Relationship		
	Address				
	TEL:				

* Please do not write anything in the column with the following mark ※.

2021 Tokushima University, Graduate School of
Health Sciences (Doctoral Program)

Photography Ticket

Examinee Number	※
Admission Category	General / Working People / Admission for (Privately Funded) International Students (Please circle)
Preferred Area	
Name in <i>Hiragana</i>	
Name (Family name / First name / Middle name)	

Paste photograph here

Must be recently taken,
4×3 cm, upper body,
with bare head, and
looking straight ahead

2021 Tokushima University, Graduate School of
Health Sciences (Doctoral Program)

Admission Ticket

Examinee Number	※
Admission Category	General / Working People / Admission for (Privately Funded) International Students (Please circle)
Preferred Area	
Name in <i>Hiragana</i>	
Name (Family name / First name / Middle name)	

[NOTICE]

1. Please do not write anything in the column marked with ※.
2. Please bring this ticket with you to the Entrance Examination.

Paste photograph here

Must be recently taken,
4×3 cm, upper body,
with bare head, and
looking straight ahead

Examinee Number Ticket

Examinee Number	※
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Please do not write anything in the column marked with ※.

Examination Agenda

Date of Examination: Saturday, August 29, 2020

Location: Health Sciences Building C, Faculty of
Medicine, Tokushima University

	Time	Area		
		Health and Nursing Sciences	Radiological Sciences	Biomedical Laboratory Sciences
English	10:30-12:00	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Interview	13:00-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Time	Area		
		Health and Nursing Sciences	Radiological Sciences	Biomedical Laboratory Sciences
Oral Assessment (Language exam is included.)	13:00-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The examination room will be opened at 8:30am.

Please arrive at the examination room no later than 20 minutes before starting time.

(NOTICE)

1. Please bring a black pencil, an eraser and wristwatch. There is no wall clock in the exam room. The use of writing boards (*Shitajiki*), fountain pens, ballpoint pens, and colored pencils cannot use during the examination.
2. Please, ensure that you write your admission number correctly when you take the examination.
3. Applicants who are more than 30 minutes late will be disqualified from the examination.
4. Please bring a packed lunch with you if you should need refreshments.
5. Bicycles and bikes cannot enter the property of the University due to the unavailability of parking space.
6. Please keep all your valuables with you to prevent theft.
7. You do not need to bring any room shoes.

Biographical Data

		Name (Family name / First name / Middle name)
Category	Year / Month / Date	Information
Academic Record ※1)	Year / Month	○○○ High School (Junior-High School) Graduated
Employment Record ※2)		
Experiences or achievements at academic conferences or in society		

[NOTICE]

※1) In the “Academic Record” section, please include self-study or cram-school periods, and the graduated faculty/department of university. Do not leave any period blank.

※2) In the “Employment Record” section, please include details of your occupation such as a name of the department or job title.

Also to be included in the “Academic Record” section is any period spent helping with housework or a period of unemployment. Do not leave any period blank.

3) In case of insufficient space for your academic or employment record, please attach extra pages accordingly.

4) In the “Experiences or Achievements at Academic Conferences or in Society” section, please outline these experiences or achievements if you have any. Please insert “None” if you do not have any.

2021 Tokushima University, Graduate School of Health Sciences (Doctoral Program)

Letter of Motivation

	※Examinee Number	
Admission Category	General / Working People / Admission for (Privately Funded) International Students <div style="text-align: right;">(Please circle)</div>	
Name in <i>Hiragana</i>		
Name (Family name / First name / Middle name)		
Preferred Area		Preferred Field
Please write your purpose for enrolling in the course.		

[NOTICE]

1. Please do not write anything in the column marked with ※.
2. If you prefer writing your Letter of Intent on a PC, please use A4 paper.

Employer Endorsement Letter

Department

Job Title

Name

(Family name / First name / Middle name)

I hereby allow the person named above to apply for the Doctoral Program in the Graduate School of Health Sciences, Tokushima University.

Also allow the person to enter and enroll at the university while working in my institution if he/she passes the entrance examination.

Year / Month / Date

Place of Employment

Manager

Job Title and Name

2021 Tokushima University, Graduate School of Health Sciences (Doctoral Program)

Application Form for Applicant Qualifications

Dear President of Tokushima University

Name

(Family name / First name / Middle name)

Date of Birth

Home Address

Telephone

I hereby apply at the Graduate School of Health Sciences, Tokushima University as stated below and including other required documents.

Preferred Admission Category	General / Working People/ Admission for (Privately Funded) International Students
Preferred Applicant Qualification	(6) / (7) / (8)
Preferred Field / Specialty	
Month and date of preliminary consultation	

Please circle appropriate options.

様式 Designated Form

Research Achievements				
(Y) (M) (D)				
Name				
Titles of publications (books, journals, articles, research papers, theses, etc.)	Single or multiple authorship	Year and month of publication or presentation	Names of publishers, journals or academic associations	Outline
Books				
Academic articles				
Conference presentation				
others				

Research plan

		※Examinee Number	
Name (Family name / First name / Middle name)			
Desired Area		Desired field/specialty	
Name of desired instructor			
1. Research results to date			
2. Future research plan			

[NOTICE]1. Please do not fill in fields marked with ※.
2. If you prefer to type on a PC, please use A4 paper.

1. Please pay the entrance examination fee at the counter of your closest post office or bank using the bill on the right. (Please do NOT pay through an ATM.)
2. When making payment, please ensure that you fill in your name in all the “Applicant Name” columns. Also, please separate the payment sheet and submit it with the Entrance Examination fee plus the premium at a bank or post office counter. (Three payment sheets are attached, please do NOT separate them.)
3. Please ensure that you receive the “Certificate of Payment (for application)” with a date stamp after making payment.
4. Please attach the “Certificate of Payment (for application)” to the “Certificate of Payment” box on the following form and submit it with your application form.
5. As the “Bill of Transfer Payment/Receipt” of this payment sheet will be the receipt for Tokushima University, applicants do not need to send another bill separately.

For Applicants of Graduate
School of Health Sciences,
(Doctoral Program)

Examinee Number	
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Examination Fee Payment Certificate

Examination Fee Payment Certificate (For the application)

Attach Below

