



2023 Academic Year

**TOHOKU UNIVERSITY
GRADUATE SCHOOL OF LIFE SCIENCES**

**Doctoral Degree Program (3-year course)
Student Application Guidelines
(April Admission)**

**GENERAL SELECTION
SPECIAL SELECTION FOR WORKING STUDENTS
SPECIAL SELECTION FOR INTERNATIONAL STUDENTS**

Tohoku University Graduate School of Life Sciences
1-1-2 Katahira, Aoba-ku, Sendai 980-8577 JAPAN
TEL +81-22-217-5706
FAX +81-22-217-5704
<http://www.lifesci.tohoku.ac.jp/>

Information for Prospective Students

Tohoku University Graduate School Admission Policy

Philosophy & Mission

With over 100 years of history and distinguished traditions, Tohoku University has developed excellence in education and research under its principles of "Research First," "Open Doors," and "Practice-Oriented Research and Education" since its establishment in 1907. The university will maintain these traditions while looking toward even more dramatic progress in the future. As a world-leading center of education and research, it will contribute greatly to the human race by grappling with the difficult and complex issues facing the 21st century.

Tohoku University will focus its efforts of its faculties, graduate schools, and research institutes to foster ethical international leaders who will carry humanity into the future, while expanding its globally renowned creative research for the benefit of society at large.

Characteristics

1) Three Foundational Ideals

"Research First," "Open Doors," and "Practice-Oriented Research and Education" — soon after its founding, Tohoku University established this set of unique ideals, the substance of which it is continually developing in response to our changing times.

2) Rich Educational Environment

Tohoku University has numerous research organizations and facilities, primarily comprising 10 undergraduate schools, 15 graduate schools, 3 professional graduate schools, and 6 research institutes. Research institute staff also participate in educational activities (there are approx. 3,000 instructors; enrollment limits are approx. 2,400 for undergraduates, 2,700 for graduate students).

3) Research University

Tohoku University is a school that continuously produces numerous internationally recognized research results and concertedly pushes forward with leading-edge research and education.

4) Active Regional/Industrial-Academic Ties

The university is actively working to expand its diverse regional and industrial ties.

5) Globalizing Education and Research

Among Japan's national universities, Tohoku University is one of the top schools in terms of agreements with overseas universities. It is actively expanding exchange in education and research. The university strives to foster globally active individuals through strong support for studying abroad by Japanese students, as well as recruitment of numerous international students.

Ideal Tohoku University Applicants

Tohoku University seeks students who sympathize with the university's principles and who are motivated by:

- 1) the desire to make outstanding contributions as world-class researchers by addressing the issues facing humanity in the 21st century, and
- 2) the desire to make outstanding contributions to the development of society as highly specialized professionals who possess abundant knowledge and leadership.

To realize these ambitions, students should also have strength of will, academic curiosity, a broad perspective, and an excellent foundation of specialized knowledge and abilities.

Tohoku University Admissions Process (Graduate School)

Depending on the number and type of candidates sought, Tohoku University graduate schools provide multiple categories of, and opportunities for undergoing, entrance exams to meet the needs of candidates from diverse backgrounds. Schools may evaluate the candidate's qualifications, abilities, and specialization using interviews, application documents such as research plans, proficiency exams, and external tests.

Graduate School of Life Sciences Admission Policy

The Tohoku University Graduate School of Life Sciences aims to foster leading researchers and engineers who can explore new areas of life sciences using advanced knowledge and technologies. At the same time, we also focus on educating people who can leverage knowledge and technology based on the foundations of life science, and who have a strong background in bioethics and environmental ethics. Therefore, we are looking for students who have a strong motivation to study life sciences and the necessary academic background to complete the program.

In addition to the general selection examinations, we provide special selection examinations for working students, returnee students, and international students. Students are selected based on their motivation to carry out research according to the educational goals of the Graduate School, and their specialized knowledge and skills.

Master's Degree Program (2-year course)

In the first term general selection examination, the applicants are interviewed to evaluate whether they have the basic academic skills and specialized knowledge in each field of life science, as well as the necessary qualifications to carry out research.

In the self-recommendation and the second term general selection examinations, in addition to basic academic skills, specialized knowledge, and qualifications, students' motivation for the research is evaluated through an interview. For the applicants who have studied fields other than life science, the willingness to use their academic knowledge in life science research is also evaluated.

In the special selection examination for working students, the special selection examination for returnee students, and the special selection examination for international students, applicants are interviewed to evaluate their professional knowledge and qualifications according to their respective characteristics. In all these examinations, English proficiency, which is a common language in the academic world, is examined through external examinations.

Before enrolling in the program, students are expected to learn more about the research methods and the specialized knowledge of the field of study in which they intend to major.

Doctoral Degree Program (3-year course)

In the general selection examination, the special selection examination for working students, and the special selection examination for international students, applicants are required to present their past research and plans for their research after entering the university in an interview to evaluate whether they have the necessary specialized knowledge and excellent qualifications to carry out their research. In addition, students are expected to have sufficient proficiency in English, the common language of the academic world.

Before enrolling in this course, students are expected to learn more deeply about research trends in the corresponding field.

Contents

1. Departments and the Number of Students to be Accepted.....	1
2. Eligibility and Application Requirements.....	2
3. Application Procedures.....	5
4. Examination and Selection.....	8
5. Announcement of Results and Enrollment Procedures.....	8
6. Time of Enrollment.....	9
7. Long-Term Course Program.....	9
8. Handling of Personal Information.....	10
9. Other.....	10
10. List of Fields of Study for which Students are Accepted (including faculty members and research contents)	
(1) Department of Integrative Life Sciences.....	11
(2) Department of Ecological Developmental Adaptability Life Sciences.....	13
(3) Department of Molecular and Chemical Life Sciences.....	15
11. Campus Map	

Attached Documents

The following documents required for application are attached to this guideline.

- 1 Application Form
- 2 Photo Voucher / Examination Voucher
- 3 Examination Fee Payment Confirmation Form
- 4 Address Seals

1. Departments and the Number of Students to be Accepted

Department	Number of Students	Course	Field of Study (Laboratory Name)
Department of Integrative Life Sciences	10 students	Brain and Nervous System	Neuroethology, Molecular Ethology, Brain Development, Systems Neuroscience
		Cellular Network	Membrane Trafficking Mechanisms, Developmental Dynamics, Organelle Pathophysiology, Super-Network Brain Physiology
		Developmental Regulation Network	Germ Cell Development (*), Cancer Biology, Developmental Neurobiology (*)
		(Cooperative faculties)	<u>Developmental Neuroscience, Molecular Oncology, Experimental Immunology (*)</u>
Department of Ecological Developmental Adaptability Life Sciences	10 students	Biological Dynamics	Plant Development (*), Histogenetic Dynamics, Plant Sensory and Developmental Biology, Organ Morphogenesis, Plant Cell Dynamics
		Ecological Dynamics	Aquatic Ecology (*), Functional Ecology, Evolutionary Biology (*), Ecological Integration, Symbiosis Genomics
		Biodiversity Dynamics	Plant Diversity and Evolution, Conservation Biology, Marine Biodiversity
		Eco-Socio Dynamics	Ecosystem Functions
		(Cooperative faculties)	<u>Systems Bioinformatics</u>
Department of Molecular and Chemical Life Sciences	10 students	Chemical Biology	Analytical Bioorganic Chemistry, Biostructural Chemistry, Bioactive Molecules, Molecular and Cellular Biology, Applied Biological Molecular Science
		Molecular and Network Genomics	Microbial Genetics and Evolution, Plant Molecular Breeding, Molecular Genetics and Physiology, Evolutionary Genomics
		Multilevel Biomolecular Structure and Dynamics	Molecular Analysis of Biological Functions, Biofunctional Chemistry and Nanobiotechnology, Structural Biology, Structural Mechanism Research and Development
		Genome Informatics	Omics and Informatics
		(Cooperative faculties)	<u>Chemical biology of Natural Product, Bioorganic Medicinal Chemistry, Redox Biology, Cellular Function</u>

Note: The underlined fields indicate the fields of study in which the cooperating teachers are in charge.

(*) Germ Cell Development, Developmental Neurobiology, and Experimental Immunology fields from the Department of Integrative Life Sciences, as well as Plant Development, Aquatic Ecology, and Evolutionary Biology fields from the Department of Ecological Developmental Adaptability Life Sciences, are not accepting applications.

2. Eligibility and Application Requirements

General Selection, Special Selection for International Students

Applicants for the 3-year Doctoral Course applying for the General Selection and the Special Selection for International Students must fall into one of the following categories.

For the Special Selection for International Students, applicants must be non-Japanese nationals with a "Student" type of visa. Applicants with other types of visas (permanent resident, spouse or child of Japanese national, spouse or child of permanent resident, long-term resident, etc.) should apply through the general selection.

Applicants who have graduated from a six-year undergraduate course in medicine, dentistry, pharmacy, or veterinary medicine fall under (8).

- (1) Those who have received or expect to receive a master's degree or a professional degree by March 2023 from a university in Japan.
- (2) Those who have received or expect to receive a master's degree or a degree equivalent to a professional degree from a graduate school of a foreign university by March 2023.
- (3) Those who have completed in Japan a distance education program provided by a foreign school and have received or are expected to receive a master's degree or a degree equivalent to a professional degree in Japan by March 2023.
- (4) Those who have completed an education program provided by a foreign school in Japan which is designated by the Japanese Minister of Education, Culture, Sports, Science, and Technology (MEXT) as being equivalent to a graduate program in Japan and have received or are expected to receive a master's degree or a degree equivalent to a professional degree by March 2023.
- (5) Those who have completed a program at the United Nations University and have received or are expected to receive a degree equivalent to a master's degree by March 2023.
- (6) Those who have studied on the education program provided by a foreign school, an educational institution with a graduate course in a foreign country, or a United Nations University, who passed an examination and assessment equivalent to those prescribed in Article 16-2 of the Standards for the Establishment of Graduate Schools (Ordinance of the Ministry of Education, Science and Culture No. 28 of 1974), and who is recognized as having academic abilities equivalent or superior to a master's degree holders by March 2023.
- (7) Those designated by the Japanese Minister of Education, Culture, Sports, Science and Technology (MEXT)
 - a) Those who have graduated from a university and have worked for a university or research organization as a researcher for more than 2 years, and who have been recognized by this graduate school as having academic abilities equivalent or superior to a master's degree or a professional degree based on the results of the research.
 - b) Those who have completed 16 years of school education in a foreign country, or have completed 16 years of school education in a foreign country by taking a distance education program provided by a foreign school in Japan, have worked for a university or research organization as a researcher for more than 2 years, and who have been recognized by this graduate school as having academic abilities equivalent or superior to a master's degree or a professional degree based on the results of the research.
- (8) Those who have been recognized by the graduate school as having academic ability equivalent or superior to a master's degree or a professional degree through individual screening of admission qualifications, and who will reach the age of 24 by March 2023.

Note 1: All applicants should **contact** the faculty member whose supervision they wish to receive, confirm the research plan after admission, obtain confirmation that the faculty member will be able to supervise the applicant, and submit the application form only after informing the prospective supervisor of the intention to apply. For details on how to contact the faculty member, please also refer to the "Admissions Q&A" on the Graduate School of Life Sciences Admissions Information website.

Note 2: Those who are expected to complete the master's course (excluding those who are expected to complete the master's course in this Graduate School) and wish to enter the doctoral course of this Graduate School should apply according to this guideline.

Note 3: Those who wish to apply according to (6) should contact the Academic Affairs Section of the Graduate School of Life Sciences to confirm the documents to be submitted, and submit these documents by Thursday, November 17, 2022.

Note 4: Those who wish to apply according to (7) or (8) should undergo the following preliminary screening and apply according to the results.

About the preliminary individual screening for admission.

Please submit the following documents to the Academic Affairs Section of the Graduate School of Life Sciences by mail (registered mail) or in person by Thursday, December 8, 2022.

Notification of the screening results will be sent by registered mail by Friday, December 16, 2022.

- a. Application form for pre-application screening (Please request an application form from the Academic Affairs Section of the Graduate School of Life Sciences.)
- b. Official academic transcript (prepared by the head of the last institution attended)
- c. Abstract of the research (about two A4 sized pages) and reference materials such as academic papers
- d. Envelope for notification of screening results (standard size, with applicant's name and address written on it, and a stamp of 414 yen)
- e. Other materials that may be used as a reference for a review

Note 5: Those who wish to apply for the Special Selection for International Students should contact the Academic Affairs Section of the Graduate School of Life Sciences by Thursday, November 17, 2022, to confirm their eligibility.

Special Selection for Working Students

Applicants for the Doctoral Course (3-year course) applying for the Special Selection for Working Students must fall into one of the following categories.

- (1) Those who have been working at a research institution for at least two years after receiving a master's degree or a professional degree from a university in Japan.
- (2) Those who have been working at a research institution for at least two years after receiving a master's degree or a professional degree from a foreign university.
- (3) Those who have been working at a research institution for at least two years after receiving a master's degree or a professional degree from a distance education program provided by a foreign school.
- (4) Those who have been working at a research institution for at least two years after receiving a master's degree or a professional degree from an education program provided by a foreign school in Japan which is designated by the Japanese Minister of Education, Culture, Sports, Science, and

Technology (MEXT) as being equivalent to a graduate program in Japan.

- (5) Those who have been working at a research institution for at least two years after receiving a master's degree or a professional degree from a program at the United Nations University.
- (6) Those who have been working at a research institution for at least two years after studying on the education program provided by a foreign school, an educational institution with a graduate course in a foreign country, or a United Nations University, who passed an examination and assessment equivalent to those prescribed in Article 16-2 of the Standards for the Establishment of Graduate Schools (Ordinance of the Ministry of Education, Science and Culture No. 28 of 1974), and who is recognized as having academic abilities equivalent or superior to a master's degree holders.
- (7) Those who have been working at a research institution for at least 4 years after graduation from a university and who has been recognized by the graduate school as having academic ability equivalent to or superior to a master's degree or a professional degree.
- (8) Those who have experience of working or researching, who have been recognized by the graduate school as having academic ability equivalent or superior to a master's degree or a professional degree through individual screening of admission qualifications, and who will reach the age of 24 by March 2023.

Note 1: Applicants should contact the faculty member whose supervision they wish to receive, prepare the following documents, confirm the research plan after admission, obtain confirmation that the faculty member will be able to supervise the applicant, and submit the application form only after informing the prospective supervisor of the intention to apply.

- a. Abstract of research such as a master's thesis (about one A4-sized page) and reference materials such as academic papers
- b. Summary of research conducted after obtaining a master's degree, etc. (about one A4-sized page)
- c. Field of research applicant wishes to enroll and research plan (about one A4-sized page)

Note 2: Those who wish to apply according to (6) should contact the Academic Affairs Section of the Graduate School of Life Sciences to confirm the documents to be submitted, and submit these documents by Thursday, November 17, 2022.

Note 3: Those who wish to apply according to (7) should undergo the preliminary screening and apply according to the results. Please submit the following documents to the Academic Affairs Section of the Graduate School of Life Sciences by mail (registered mail) or in person by Thursday, December 8, 2022. Notification of the screening results will be sent by registered mail by Friday, December 16, 2022.

- a. Application form for pre-application screening (Please request an application form from the Academic Affairs Section of the Graduate School of Life Sciences.)
- b. Official academic transcript issued by the university attended.
- c. Abstract of the research (about two A4-sized pages) and reference materials such as academic papers
- d. Envelope for notification of screening results (standard size, with applicant's name and address written on it, and a stamp of 414 yen)
- e. Other materials that may be used as a reference for the review

Note 4: Those who wish to apply according to (8) should undergo the preliminary screening and apply according to the results. Please submit the following documents to the Academic Affairs Section of the Graduate School of Life Sciences by mail (registered mail) or in person by Thursday,

December 8, 2022. Notification of the screening results will be sent by registered mail by Friday, December 16, 2022.

- a. Application form for pre-application screening (Please request an application form from the Academic Affairs Section of the Graduate School of Life Sciences.)
- b. Official academic transcript (prepared by the head of the last institution attended)
- c. Abstract of the research (about two A4 sized pages) and reference materials such as academic papers
- d. Envelope for notification of screening results (standard size, with applicant's name and address written on it, and a stamp of 414 yen)
- e. Other materials that may be used as a reference for the review

Note 5: Those who are employed in private or other companies may enroll while still employed as long as it does not affect their research or take a leave of absence from their current position.

3. Application Procedures

(1) Application documents

No.	Documents	Notes
1	Application form	Please make sure to check the box (<input type="checkbox"/> Contacted) next to the name of your field of study on the application form to indicate that you have already met with your academic advisor. Also, be sure to write the name of the faculty member with whom you made contact.
2	Examination voucher and photo voucher	Please fill in all sections except for the examination number section without separating these two sheets.
3	Transcript of academic records	Please submit transcripts from both (1) the university (undergraduate course) and (2) the graduate school (Master's degree course or professional degree course).
4	Certificate of (expected) graduation	Depending on the final educational background, please submit the following applicable certificates. (1) Certificate of (expected) graduation for those who have completed (or are expected to complete) the Master's course or professional degree course. (2) Certificate of graduation from a university for those who have graduated from an undergraduate course. (3) A certificate of acceptance of an application for a bachelor's (master's) degree from the National Institution for Academic Degrees and University Evaluation. (4) For others, a certificate of (expected) graduation or a certificate of (expected) completion of studies from the last institution attended.

5	Research papers	<p>(1) List of research papers, etc. (2) Master's thesis or representative research papers (photocopies are acceptable).</p> <p>Those who are currently enrolled in a master's course and are unable to submit their Master's thesis at the time of application due to deadlines set by the graduate school of their home university should submit a written statement (free format) of when they will be able to submit their thesis.</p> <p>However, applicants who wish to submit their documents nearer to the date of the entrance examination should contact their prospective supervisor to obtain their approval and submit a document stating the possible date of submission and the fact that they have received approval.</p>
6	Research plan	Please provide a summary of your research plans for the period after admission in approximately two A4-sized pages.
7	Examination fee	<p>Examination fee 30,000 yen</p> <p>After transferring money to the designated account via ATM or Internet banking, please attach to the "Examination Fee Payment Confirmation Form" a document showing that the money has been transferred (e.g., a copy of the person's copy of the transfer request document, a copy of the ATM statement, or a printout of the Internet banking transfer completion screen (please make sure that the transfer has been completed)).</p> <p>Please check the bank account details on the "Examination Fee Payment Confirmation Form". Payment in cash cannot be accepted at the office.</p> <p>For applicants residing outside of Japan at the time of application, the method of payment will be different.</p> <p>However, the following applicants are not required to pay the examination fee:</p> <ol style="list-style-type: none"> (1) Those who are expected to complete a Master's or Professional Degree Course at the Tohoku University in March 2023. (2) Japanese Government (MEXT) Scholarship international students (3) Those who have applied for the examination fee waiver related to disasters. Please refer to the following website for more information about the application process. https://www.lifesci.tohoku.ac.jp/admission/schedule/
8	Envelope for sending the examination voucher	A #3 long envelope (about 12 x 23.5 cm, maximum standard size) with your name, address, and postal code written on it and a stamp of 414 yen attached. Those who are residing outside Japan do not need to submit this.
9	Certificate of the research period	Those applying for the Special Selection for Working Students are required to submit the certificate from the head of their employer stating the research period required for the application. (Free format)
10	Permission to take an examination	Applicants who are working and wish to enroll without a leave of absence from work should submit this form. (Free format)

11	Certificate of residence (Jūminhyō)	Only foreign applicants residing in Japan (those whose period of stay exceeds 90 days) should submit this certificate. (With the status of residence and the residence card number, but without the personal number “My Number”.)
12	Address seals	Please write your name, address, and postal code on all eight seals. Those who are residing outside Japan do not need to submit this.
13	Filling out the Application Confirmation Form for the Graduate School of Life Sciences	Applicants should complete the "Application Confirmation Form" as part of the application process. The link of this form will be announced on the Graduate School of Life Sciences Admission Information website once the application period is open. Admissions information website: https://www.lifesci.tohoku.ac.jp/admission/
14	English Score Sheet (optional)	<p>The Graduate School encourages all applicants to take the TOEFL, TOEIC, or IELTS examinations in advance and submit the scores at the time of application.</p> <p>The following scores are accepted: TOEFL iBT, TOEIC Test, and IELTS Academic Module.</p> <p>The original score should be submitted: Official Score Report for TOEFL iBT, Official Score Certificate for TOEIC or Test Report Form for IELTS.</p> <p>Note that the score report for the TOEFL iBT test will automatically include two types of scores: the test result for each test date (Test Date score) and the MyBest™ score. The Graduate School will use the Test Date score.</p> <p>For those submitting scores in advance:</p> <p>For the TOEFL iBT test results, please contact ETS so that the original “Official Score Report” can be received by the Graduate School of Life Sciences, Tohoku University no later than the last day of the application period. The DI code for TOEFL Official Score Report is B430 (Graduate School of Life Sciences, Tohoku University). Please note that it may take up to two months for the score to be delivered to the university from the ETS.</p> <p>Those who have not received their scores at the time of application may submit them up to 5:00 p.m. on the day before the first day of the examination (February 13), but only if they indicate this in their application. No other additions or replacements of scores are allowed.</p> <p>Multiple test scores are acceptable. Scores must have been taken within the last two years prior to the first day of the entrance examination.</p> <p>(Note) TOEFL is a registered trademark of Educational Testing Service (ETS). This material has not been reviewed or approved by ETS. The “TOEFL iBT® Test” is referred as the “TOEFL iBT” in this guideline.</p>

(2) Those who wish to apply for the examination should submit the application documents described in (1) above to the address given in (3).

When sending the application by mail, please make sure to send it by registered mail and write "Application for admission to the Graduate School (Application Documents for Examination

(Doctoral 3-year course) April Admission) in red on the front side of the envelope.

(3) Application documents submission period: January 4 (Wed.) to January 13 (Fri.), 2023 (must arrive by the deadline)

* The office is open on weekdays from 10:00 to 16:00 (except 12:00 to 13:00).

Address: 2-1-1 Katahira, Aoba-ku, Sendai 980-8577, Japan
Academic Affairs Section, Graduate School of Life Sciences, Tohoku University
Tel: 022-217-5706

Notes:

- (1) The application documents will not be accepted if there are any omissions.
- (2) Once the Application Documents have been submitted, the application cannot be withdrawn, the information on the application cannot be changed, and the examination fee cannot be returned.
- (3) The examination voucher will be sent to applicants by registered mail, together with instructions on taking the examination and a receipt for the examination fee, after the application period.

4. Examination and Selection

- (1) Date: Tuesday, February 14, 2023 (time will be announced after application period)
- (2) Place: The examination will be conducted as an oral online interview. Please arrange a private room with internet access. Make sure that no one is allowed in the room during the examination.
- (3) Selection method: Applicants will be screened based on application documents and an interview (including foreign language skills). Applicants are required to access the URL of the online conference system designated by the Graduate School of Life Sciences and give a 25-minute oral presentation of their master's thesis (or equivalent papers; for those who apply for the Special Selection for Working Students, please also provide information on your past research) in Japanese or English, using presentation slides. The presentation will be followed by a 30 minute question-and-answer session.

The same examination will be held for those who have (or are expected to have) a six-year undergraduate degree related to medicine, dentistry, pharmacy, or veterinary science.

In order to be sure that the examination will be conducted without problems on the actual day of the examination, a preliminary connection test will be held on January 28 (Sat.). For those who are unable to attend the pre-connection test on the designated date and time, we will schedule another date. Details will be provided separately after the application period.

5. Announcement of Results and Enrollment Procedures

- (1) The announcement of successful applicants will be posted on the Japanese version of the Graduate School of Life Sciences website. The results will also be sent to the applicant by registered mail. The Graduate School of Life Sciences will not respond to any inquiries regarding the results.

Scheduled date of announcement: March 9, 2023 (Thu.), around 9:30 a.m.

Graduate School of Life Sciences website: <https://www.lifesci.tohoku.ac.jp/>

(2) Successful applicants will be required to pay the following fees by the designated date. Details will be announced separately after the middle of March 2023.

a. Entrance fee: 282,000 yen (expected amount)

b. Tuition fee for the first (April - September) semester: 267,900 yen (535,800 yen per year) (expected amount)

Note 1: The amounts shown above are expected amounts. In the event of a revision of the entrance and tuition fees, the new amounts will be used from the time of the revision.

Note 2: Information about the waiver, deferment, and other procedures for entrance fees and tuition fees will be announced in the documents related to entrance procedures sent around mid-March. For more information about the waiver, deferment, etc., please contact the Financial Support Section, Student Support Division, Education and Student Support Department, Tohoku University (Kawauchi-Kita Campus Education and Student Support Center, 1st floor, Counter 4, Tel: 022-795-7816, Office Open Hours: 8 : 30 - 17 : 15). For more information, please visit the following Tohoku University website (waiver of entrance and tuition fees, etc.).

Tohoku University website: <http://www2.he.tohoku.ac.jp/menjo/>

6. Time of Enrollment

The date of enrollment of successful applicants is April 1, 2023.

7. Long-term Course Program

Those who wish to obtain a Ph. D. degree in life science by systematically completing the educational program over a certain period, exceeding the standard course length of three years in the Doctoral Degree Program, due to special reasons ((1) full-time employees of companies or those who run their businesses, (2) those who need to take care of childbirth, childcare, or nursing care, etc., (3) other students who have been approved by the Graduate School) may be permitted to enroll as a long-term course student by submitting the required application at the time of enrollment procedures based on the notice of enrollment procedures that will be sent to successful applicants. The duration of study cannot exceed six years, but students may request to shorten the approved period of study midway through their studies.

Education and research guidance will be provided using the regular curriculum and class schedule.

The annual tuition fee for long-term course students is the amount obtained by multiplying the annual tuition fee for general students by the number of years of the standard course of study (3 years) and dividing it by the number of years of study permitted for long-term course students.

For reference, the annual tuition fee for students enrolled in the 2022 academic year is as follows. In the event of a revision of the tuition, the new tuition will be used from the time of revision.

- Annual tuition for general students with a standard term of study of 3 years: 535,800 yen
- Annual tuition fee for students with 4 years of study permitted: 401,850 yen
- Annual tuition fee for students with 5 years of study permitted: 321,480 yen
- Annual tuition fee for students with 6 years of study permitted: 267,900 yen

8. Handling of Personal Information

(1) In addition to complying with the "Act on the Protection of Personal Information Held by Independent Administrative Agencies, etc." and other laws and regulations, personal information held by Tohoku University are strictly handled by the "Tohoku University Personal Information Protection Regulations," and every effort is made to protect personal information.

(2) Personal information such as examination results used in the selection of applicants will be used for educational purposes such as selection of applicants, admission procedures, follow-up surveys, post-admission student support (scholarships, tuition exemptions, health care, etc.), and academic guidance, as well as for tuition and other related purposes.

(3) By applying to the Graduate School, applicants are considered to have agreed to the above statement.

9. Other

(1) Application documents and examination fees cannot be returned.

(2) Consultations are available for those who require special consideration for entrance examinations and academic study, so please contact the Academic Affairs Section of the Graduate School of Life Sciences by December 8, 2022 (Thu.) if needed.

(3) For inquiries regarding student applications, please contact the following section.

1-1-2 Katahira, Aoba-ku, Sendai 980-8577, Japan
Academic Affairs Section, Graduate School of Life Sciences, Tohoku University
Tel.: +81-22-217-5706
E-mail: lif-kyom@grp.tohoku.ac.jp

(4) To receive application forms by mail, those who are residing inside Japan may send a request with a self-addressed (write your name, address, and postal code) envelope (size 2) with a postage stamp of 390 yen or a Letter Pack Light (370 yen) to the above address in (3).

(5) The following is the website regarding the admissions process for the Graduate School of Life Sciences. The admission procedures may be changed due to measures against COVID-19, etc., so please be sure to check this site for the latest information (Q&A and other information are also available on this site).

<https://www.lifesci.tohoku.ac.jp/admission/>

November 2022

Graduate School of Life Sciences,
Tohoku University

10. List of Fields of Study for which Students are Accepted (including faculty members and research contents)

(1) Department of Integrative Life Sciences

Faculty members marked with ** are scheduled to retire in March 2026.

Faculty members marked with * are scheduled to retire in March 2023.

Course	Field of Study (lab. name) and Faculty Members	Research Content
Brain and Nervous System	Neuroethology Professor TANIMOTO Hiromu Associate Professor YAMAGATA Nobuhiro* KOGANEZAWA Masayuki	We investigate neural mechanisms underlying a wide array of behavior using genetic manipulation of targeted neurons. Our favorite model animals are fruit flies and jellyfish. Behaviors of our interest include associative learning, feeding, sexual behavior, and alcohol preference.
	Molecular Ethology Professor TAKEUCHI Hideaki Assistant Professor ANSAI Satoshi	Laboratories in Graduate School of Life Sciences website. https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=45410 Visit the laboratory's website. https://sites.google.com/view/molecular-ethology-laboratory/english
	Brain Development Professor ABE Kentaro Assistant Professor AOKI Sho	We study the mechanisms underlying the plastic change of the brain according to a variety of postnatal experiences such as social interaction, lifestyles, or diseases. To investigate, we apply the techniques of molecular biology, behavioral analysis, in vivo live imaging on mouse, songbird, and cell culture as model systems.
	Systems Neuroscience Professor TSUTSUI Ken-Ichiro Assistant Professor OHARA Shinya	We investigate sensory, reward, memory, and executive functions and their underlying neural mechanisms by combining various state-of-the-art techniques, such as electrophysiology, molecular biology, and computational analytics and modeling. As experimental subjects, we use human and non-human primates as well as rodents.
Cellular Network	Membrane Trafficking Mechanisms Professor FUKUDA Mitsunori Associate Professor TAJIMA Genichi (C) MATSUI Takahide	Our lab mainly focuses on the Rab protein, which acts as a traffic controller, to understand the molecular mechanisms of membrane traffic that underlies various cellular events such as epithelial polarity formation, exosome secretion, neurotransmission, melanosome transport, and autophagy.
	Developmental Dynamics Professor SUGIMOTO Asako Associate Professor NIWA Shinsuke (C)	Laboratories in Graduate School of Life Sciences website. https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2580

Cellular Network	Organelle Pathophysiology Professor TAGUCHI Tomohiko Assistant Professor MUKAI Kojiro	Intracellular organelles cooperatively regulate cellular homeostasis, proliferation, and differentiation, through a continuous exchange of soluble and membrane-bound molecules via membrane trafficking and/or membrane contact transfer. A failure in organelle cooperation often results in various human diseases. Our laboratory uses methods in biochemistry, cell biology, and molecular biology to identify novel organellar proteins and lipids. With these methods, we aim to unveil novel functions of organelles and the molecular mechanisms that regulate organelle cooperation.
	Super-Network Brain Physiology Professor MATSUI Ko Assistant Professor TSUNEMATSU Tomomi	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=45398
Developmental Regulation Network	Cancer Biology Professor CHIBA Natsuko Assistant Professor YOSHINO Yuki	Accumulation of gene mutations in oncogenes and tumor suppressor genes causes cancer. We elucidate the regulatory mechanism of cell division and DNA damage response by cancer-related molecules. Furthermore, we are trying to develop methods to diagnose and treat cancer by elucidating the carcinogenic mechanism caused by the functional failure of cancer-related molecules.
Cooperative faculties	Developmental Neuroscience Professor OSUMI Noriko **	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=45399 Visit the laboratory's website. http://www.dev-neurobio.med.tohoku.ac.jp/english/index.html
	Molecular Oncology Professor TANAKA Kozo	Chromosomal instability, a condition in which chromosome missegregation occurs at high rates, underlies age-related diseases such as cancer and neurological disorders. Our goal is to reveal how chromosomal instability occurs and how it is related to the pathophysiology of these diseases, in order to contribute to their prevention and treatment. Using culture cells and mice and various techniques such as live-cell imaging, biochemical analysis, genetic and epigenetic analysis, we aim to understand these mechanisms from molecular to organismal level.

(2) Department of Ecological Developmental Adaptability Life Sciences

Faculty members marked with ** are scheduled to retire in March 2026.

Course	Field of Study (lab. name) and Faculty Members	Research Content
Biological Dynamics	Histogenetic Dynamics Professor KURANAGA Erina Assistant Professor UMETSU Daiki NINOMIYA Komaki	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2525
	Plant Sensory and Developmental Biology Professor HIGASHITANI Atsushi(C) Associate Professor FUJII Nobuharu	Our research is aimed at understanding the relationship between plant growth and environmental cues such as water and gravity. Important findings include that plant roots show hydrotropism in response to moisture gradients, which, together with gravitropism, plays an important role in regulating root growth orientation in order to efficiently obtain water. We use physiological and genetical analyses to understand regulatory mechanisms of those.
	Organ Morphogenesis Professor TAMURA Koji Assistant Professor SHIOMI Kozue (C)	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2589 Visit the laboratory's website. http://www.biology.tohoku.ac.jp/lab-www/tamlab/english/index.html
	Plant Cell Dynamics Professor UEDA Minako Assistant Professor KIMATA Yusuke MATSUMOTO Hikari	We aim to understand what happen in the plant cell and how they lead to the plant development. In particular, we are focusing on the cells that play a central role in the plant body formation, such as the zygote, and performing high-resolution live imaging to reveal the intracellular dynamics and genetic analysis to identify the regulatory mechanisms.
Ecological Dynamics	Functional Ecology Professor HIKOSAKA Kouki Assistant Professor TOMIMATSU Hajime	We study ecology of plants mainly by analyses of plant functions such as photosynthesis, resource acquisition and use, and stress responses. Recent our interests are (1) adaptation to various environmental factors with focusing on natural variations, (2) remote sensing of plant functions, (3) modeling of plant functions, and (4) field ecology for moorlands and forests.
	Ecological Integration Professor KONDOH Michio Associate Professor SAKAI Satoki** Assistant Professor KAWATSU Kazutaka	Using mathematical and statistical models, we aim to understand the complexity of ecological systems, as well as to develop a field of "practical ecology" that enables prediction, control, and design of ecosystems. (Kondo Lab.) We will explore the factors that led to the evolution of diverse plant characteristics. We are in particular interested in adaptive strategies in plants. (Sakai Lab.)

Ecological Dynamics	Symbiosis Genomics Professor SATO Shusei Associate Professor MITSUI Hisayuki	The research targets are plant-microbe interaction, based on “symbiosis” in the narrow sense, and environmental interaction, based on “symbiosis” in the broad sense. We are aiming to explore complex interrelated network of organisms and the surrounding environments by using genomics approaches, such as population genomics and comparative genomics.
Biodiversity Dynamics	Plant Diversity and Evolution Professor MAKI Masayuki Assistant Professor OHYAMA Motonari ITO Takuro	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2552
	Conservation Biology Professor CHIBA Satoshi** Assistant Professor HIRANO Takahiro (C)	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2554
	Marine Biodiversity Professor KUMANO Gaku KONDOH Michio (C) Associate Professor MINOKAWA Takuya Assistant Professor IWASAKI Aiko MORITA Shumpei	We are studying using various kinds of marine animal inhabitants around Asamushi on animal development such as germline development, tissue/organ morphogenesis and cell differentiation, on animal diversity and evolution, and on morphologies of rarely studied animals at their critical developmental stages. We are also studying using marine organisms, such as benthos, on determining their distributions, community structures and diversities through their biological interactions and abiotic factors.
Eco-Socio Dynamics	Ecosystem Functions Visiting Professor TAYASU Ichiro Visiting Associate Professor ISHII Reiichiro	We study the ecosystem functions, the evaluation of ecosystem services, and the response mechanisms of ecosystems to global environmental change from the analysis of the structure and dynamics of biological communities using stable isotope approaches and modeling techniques.
Cooperative faculties	Systems Bioinformatics Professor KINOSHITA Kengo	As in the case of the data from next generation sequencer, the experimental data are increasing year by year. The data contribute to the elucidation of life science only when it is analyzed in the correct form and made into information. In this laboratory, we will conduct research on data-driven bioinformatics that analyzes vast amounts of life science-related data, including genome omics, by making full use of data science methods such as machine learning and statistical analysis.

(3) Department of Molecular and Chemical Life Science

Faculty members marked with ** are scheduled to retire in March 2026.

Course	Field of Study (lab. name) and Faculty Members	Research Content
Chemical Biology	Analytical Bioorganic Chemistry Professor ARIMOTO Hirokazu Assistant Professor TAKAHASHI Daiki	The Arimoto Group studies small molecules that contribute to human health care. We developed AUTAC degraders that selectively degrade cytoplasmic materials via autophagy; the removal of "dysfunctional mitochondria, protein aggregates, and pathogens" utilizing AUTAC technology will contribute to the control of disease and aging. We are also developing antimicrobial agents against vancomycin-resistant strains. We utilize a variety of chemical and biological techniques, including eukaryotic and bacterial cell culture, biochemistry, molecular biology, and organic synthesis.
	Biostructural Chemistry Professor SASAKI Makoto** Assistant Professor UMEHARA Atsushi	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2517
	Bioactive Molecules Professor ISHIKAWA Minoru Assistant Professor TOMOSHIGE Shusuke SATO Shinichi (C)	We study novel strategies that employ methods of organic chemistry, and molecular and cellular biology to regulate disease related proteins. An example is PROTAC (proteolysis targeting chimera) which induces degradation of a target protein through hijacking ubiquitin-proteasome system. Our research focuses on PROTAC for the treatment of neurodegenerative diseases.
	Molecular and Cellular Biology Professor OHASHI Kazumasa Associate Professor YASUMOTO Ken-ichi Assistant Professor CHIBA Shuhei	Our research focuses on the phenomenon that cells sense and respond to the external environment. We aim to elucidate the molecular mechanisms that regulate cell morphology, motility, growth, differentiation, and ordering of cell populations in mammalian cells by sensing mechanical stresses such as stiffness and force subjected to the external environment. We will also elucidate the molecular mechanisms of the cellular stress response.
	Applied Biological Molecular Science Professor TANAKA Yoshikazu Assistant Professor YOKOYAMA Takeshi	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2518
Molecular and Network Genomics	Microbial Genetics and Evolution Professor NAGATA Yuji Associate Professor OTSUBO Yoshiyuki	Some bacteria can degrade anthropogenic pollutants. We aim to comprehensively understand how such bacteria adapt and/or evolve quickly toward environmental changes by using microbiological, molecular genetic, molecular biological, protein engineering, cell biological, genomic, and ecological approaches, as well as to develop new technologies to effectively utilize unexplored microbial functions.

Molecular and Network Genomics	Plant Molecular Breeding Professor WATANABE Masao Associate Professor KANNO Akira	The development of high-speed genome analysis and genome editing technologies is making it possible to conduct molecular breeding of higher plants. Based on these technologies, we will conduct interdisciplinary research to elucidate the functional principles of key genes that control flower morphogenesis and reproductive processes in plants. Through molecular modification of key genes based on these studies, we aim to achieve a comprehensive understanding of the network of key genes regulating the flower morphogenesis and reproduction in plants.
	Molecular Genetics and Physiology Professor HIGASHITANI Atsushi Associate Professor HIDEMA Jun Assistant Professor TERANISHI Mika	We are investigating the survival strategy of living organisms, plants and nematodes at the molecular and physiological levels. In particular, the main focus is on the effects of ultraviolet light (UVB), space microgravity and aging on damage to DNA, organelles, and tissues.
	Evolutionary Genomics Professor MAKINO Takashi Lecturer YOKOYAMA Ryusuke Assistant Professor BESSHO Kanako	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=45408 Visit the laboratory's website. https://www.lifesci.tohoku.ac.jp/evolgenomics/home-en/
Multilevel Biomolecular Structure and Dynamics	Molecular Analysis of Biological Functions Professor TAKAHASHI Satoshi Associate Professor KAMAGATA Kiyoto Assistant Professor OIKAWA Hiroyuki	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2519
	Biofunctional Chemistry and Nanobiotechnology Professor MIZUKAMI Shin Associate Professor MATSUI Toshitaka Assistant Professor KOWADA Toshiyuki	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2526 Visit the laboratory's website. http://www2.tagen.tohoku.ac.jp/lab/mizukami/html/index.html
	Structural Biology Professor INABA Kenji Associate Professor KADOKURA Hiroshi OKUMURA Masaki (C) Assistant Professor WATANABE Satoshi	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2524

Genome Informatics	Omics and Informatics Visiting Professor HIRAKAWA Hideki IKEDA Kazutaka	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=2549 Visit the laboratory's website. http://www.kazusa.or.jp/en/
Cooperative faculties	Chemical Biology of Natural Product Professor UEDA Minoru	Laboratories in Graduate School of Life Sciences website https://www.lifesci.tohoku.ac.jp/en/research/fields/laboratory.html?id=45402
	Bioorganic Medicinal Chemistry Professor DOI Takayuki	Synthetic methods for biologically active natural products and application to the rapid synthesis of their analogues are studied to elucidate the structure-activity relationship and their target molecules. We aim to clarify the structural features necessary for the expression of activities and to discover new potent compounds.
	Redox Biology Professor MOTOHASHI Hozumi	Redox reactions play central roles in energy metabolism, signal transduction, and proteostasis. Our goal is to understand pathogenesis of age-related diseases, such as cancers and chronic inflammation, from the view point of redox regulation using biochemical and molecular biological approaches.
	Cellular Function Professor NAKAYAMA Keiko**	Our goal is elucidation of the molecular mechanisms of cell differentiation, proliferation and senescence using biochemical, cell biological and developmental engineering methods. We aim to understand the pathogenic mechanisms of malignant tumors and neurodegenerative diseases, which are thought to be driven by disruption of cellular function.

Notes

The campuses of the Graduate School of Life Sciences are located in Sendai City (Miyagi Prefecture), Aomori City (Aomori Prefecture), Kyoto City (Kyoto Prefecture), and Kisarazu City (Chiba Prefecture).

In particularly, the laboratory of Marine Biodiversity (Department of Ecological Developmental Adaptability Life Sciences) is located at the Asamushi Research Center for Marine Biology belonging to the Graduate School in Asamushi, Aomori City, Aomori Prefecture. The laboratory of Ecosystem Functions (Department of Ecological Developmental Adaptability Life Sciences) is located at the Research Institute for Humanity and Nature, Kyoto, Japan. The laboratory of Omics and Informatics (Department of Molecular and Chemical Life Science) is located at the Kazusa DNA Research Institute in Kisarazu, Chiba, Japan.

The information on each laboratory's website and contact information can be found at the Graduate School of Life Sciences' website:
<https://www.lifesci.tohoku.ac.jp/en/research/fields/>

キャンパスマップ

Campus Map



Faculty of Science Biology Research Bldg.
- Evolutionary Genomics (Makino lab.) 6F
- Plant Cell Dynamics (Ueda lab.) 6F
- Organ Morphogenesis (Tamura lab.) 5F
- Evolutionary Biology (Kawata lab.) 4F
- Organelle Pathophysiology (Taguchi lab.) 3F
- Aquatic Ecology (Urabe lab.) 3F
- Histogenetic Dynamics (Kuranaga lab.) 2F

Graduate School of Science Bldg. A
- Ecological Integration (Kondoh lab.) 10F
- Functional Ecology (Hikosaka lab.) 10F
- Membrane Trafficking Mechanisms (Fukuda lab.) 10F

Faculty of Science Chemistry Research Bldg.
- Molecular and Cellular Biology (Ohashi lab.) 4F

Graduate School of Pharmaceutical Sciences Bldg. B
- Bioorganic Medicinal Chemistry (Doi lab.) 4F

Electrical Engineering and Applied Physics Research Bldg. No.3
- Systems Bioinformatics (Kinoshita lab.) 5F

3. Aobayama Campus

(Location: Aoba-ku, Aramaki, Aoba)

Access

- Sendai Municipal Subway, Tozai Line, Aobayama Station

Graduate School of Science Bldg. C
- Chemical Biology of Natural Product (Ueda lab.) 7F

Center for Northeast Asian Studies
- Conservation Biology (Chiba S. lab.) 3F

2. Kawauchi Campus

(Location: Aoba-ku, Kawauchi)

Access

- Sendai Municipal Subway, Tozai Line, Kawauchi Station

Botanical Gardens
- Plant Diversity and Evolution (Maki lab.)

1. Katahira Campus

(Location: Aoba-ku, Katahira)

Access

- Sendai Municipal Subway
Aoba-dori Ichibancho Station on the Tozai Line (approx. 10 min. walk from South Exit 1)
- Taxi From the West Exit of JR Sendai Station. (approx. 5-6 min.)

Institute of Multidisciplinary Research for Advanced Materials, West Bldg. No.1
- Structural Mechanism Research and Development (Yonekura lab.) 3F

Graduate School of Life Sciences (Main bldg.)
- Plant Sensory and Developmental Biology (Higashitani (C) lab.) 3F
- Plant Molecular Breeding (Watanabe lab.) 3F
- Plant Development (Kyozeuka lab.) 3F
- Microbial Genetics and Evolution (Nagata lab.) 2F
- Molecular Genetics and Physiology (Higashitani lab.) 2F
- Symbiosis Genomics (Sato lab.) 1F

Institute of Multidisciplinary Research for Advanced Materials, South Research Bldg. No.1
- Biofunctional Chemistry and Nanobiotechnology (Mizukami lab.) 6F
- Structural Biology (Inaba lab.) 5F

School of Medicine Bldg. No.5
- Developmental Neuroscience (Osumi lab.) 4F

Institute of Development, Aging and Cancer, Center for Basic Aging Research
- Cancer Biology (Chiba N. lab.) 7F
- Experimental Immunology (Takai lab.) 5F
- Redox Biology (Motohashi lab.) 2F

Institute of Development, Aging and Cancer, Center for Clinical Aging Research
- Germ Cell Development (Matsui Y. lab.) 1F
- Developmental Neurobiology (Ogura lab.) 1F

Institute of Development, Aging and Cancer, Laboratory for Advanced Frontiers Research
- Molecular Oncology (Tanaka K. lab.) 1F

School of Medicine Bldg. No.6
- Cellular Function(Nakayama lab.) 2F

Institute of Multidisciplinary Research for Advanced Materials, East Bldg. No.1
- Molecular Analysis of Biological Functions (Takahashi S. lab.) 2F

Graduate School of Life Sciences (Project Research Laboratory Bldg.)
- Systems Neuroscience (Tsutsui lab.) 5F
- Biostructural Chemistry (Sasaki lab.) 4F
- Brain Development (Abe lab.) 4F
- Molecular Ethology (Takeuchi lab.) 4F
- Analytical Bioorganic Chemistry (Arimoto lab.) 3F
- Applied Biological Molecular Science (Tanaka Y. lab.) 3F
- Super-Network Brain Physiology (Matsui K. lab.) 3F
- Developmental Dynamics (Sugimoto lab.) 2F
- Neuroethology (Tanimoto lab.) 2F
- Bioactive Molecules (Ishikawa lab.) 1F
- Administrative office of the Graduate School of Life Sciences 1F

Tohoku University Graduate School of Life Sciences
Application Form for 2023 Academic Year
(Doctoral Degree Program April 2023 Admission)

受験
番号

I hereby apply for ☐ Admission to the Doctoral Degree Program (3-year course)
☐ Advancing from other Tohoku University Graduate School
of the Tohoku University Graduate School of Life Sciences by submitting the required documents and other relevant information.

Department	Department of		
	Field of Study (Lab. name)		
	Academic Advisor's Name: <input type="checkbox"/> Contacted		
Nationality	* For Japanese applicants, please fill in your Koseki (family register) prefecture	Gender	Marital Status
		<input type="checkbox"/> M <input type="checkbox"/> F	<input type="checkbox"/> Single <input type="checkbox"/> Married
		Date of Birth (yyyy/mm/dd)	
Name in native language			
Furigana			
Name in alphabet			
	Family Name,	First Name,	Middle Name
Eligibility	Mark the type of selection for which you are applying.		
	<input type="checkbox"/> General Selection <input type="checkbox"/> Special Selection for Working Students <input type="checkbox"/> Special Selection for International Students		
	Mark the appropriate "Application Requirement" for the type of selection marked above. <input type="checkbox"/> (1) <input type="checkbox"/> (2) <input type="checkbox"/> (3) <input type="checkbox"/> (4) <input type="checkbox"/> (5) <input type="checkbox"/> (6) <input type="checkbox"/> (7) <input type="checkbox"/> (8)		
Academic and Employment Record	Please fill in the information on the back side of the application form.		
	Plans after enrollment (to be completed only by currently employed applicants) <input type="checkbox"/> Continue to work <input type="checkbox"/> Taking a leave of absence <input type="checkbox"/> Resignation <input type="checkbox"/> Other ()		
Degrees	Name of degree (position)	Date of issue (yyyy/mm)	Name of university (institution) issued the degree
Current Address	Postal code:		
	Address:		
	Phone number:		Email:
Permanent Address	Postal code:		Phone number:
	Address:		
TOEFL, TOEIC or other tests score Please check all applicable	<input type="checkbox"/> The original score provided at the time of application is submitted. <input type="checkbox"/> A copy (including the examinee's copy, etc.) is submitted at the time of application, and the original score will be submitted by the designated date (the day before the first day of the examination date *1). (*1 The date will change if it falls on a holiday. Please confirm the designated date during the application procedure). <input type="checkbox"/> Currently requesting mailing by DI code. It will be delivered by the designated date (the day before the first day of the examination *1). (TOEFL iBT) <input type="checkbox"/> Will not be submitted.		
	<input type="checkbox"/> I have completed the Application Confirmation Form (on the Graduate School of Life Sciences Admissions website)		

For students currently enrolled at Tohoku University, please enter your student ID number. 【 】

- Please read the application guideline carefully, fill in the application form clearly with a black ballpoint pen (erasable ballpoint pens are not acceptable), except for the examination number column, and check the ☐ boxes to mark the appropriate information.
- In addition to the name of the department, applicants should provide the name of the field of study.
- All applicants should fill in the name in alphabet as well as in native language. Applicants with foreign nationality should write their names in English in the order of Family name, First name Middle name.
- Applicants should also complete the back side of the application

願書等受領印	検定料領収書
※安全保障輸出管理（外国人志願者） <input type="checkbox"/> 承認済み（承認日： 年 月 日） <input type="checkbox"/> 手続き不要 <input type="checkbox"/> その他 （確認事務担当者名： ）	

受験
番号

Academic record

	Name and Location (Country, City/Town)	Period Required for Graduation	Period of Study		Diploma or degree awarded (Major or specialized subject)
Primary Education (Elementary School)		yrs	from to	yrs	
Lower Secondary Education (Junior High School)		yrs	from to	yrs	
Upper Secondary Education (High School)		yrs	from to	yrs	
Tertiary (Higher) Education (Undergraduate)		yrs	from to	yrs	
Tertiary (Higher) Education (Graduate)		yrs	from to	yrs	

Research record (including study as a research student, etc.)

Name and location of organization	Position	Period of research

Employment record (From the most recent employment)

Name and location of organization	Period of employment	Position	Type of work

- If the above fields are insufficient, please attach a separate sheet to the form.

2023 Academic Year (April Admission) Entrance Examination

Tohoku University Graduate School of Life Sciences

Photo Voucher			
Exam. No			
Course, Department	Doctoral Degree Program (3-year course) Department of		PHOTO Photo taken within 3 months prior to the date of application (4x3 cm), with the applicant's name written on the back side.
Field of Study			
Furigana		Sex	
Name		<input type="checkbox"/> M <input type="checkbox"/> F	
Date of Birth (yyyy/mm/dd)	(years old)		

----- Do not separate -----

2023 Academic Year (April Admission) Entrance Examination

Tohoku University Graduate School of Life Sciences

Examination Voucher			
Exam. No			
Course, Department	Doctoral Degree Program (3-year course) Department of		
Field of Study			
Furigana			
Name			
Sex	<input type="checkbox"/> M <input type="checkbox"/> F	Date of Birth	(yyyy/mm/dd)

Note: Please bring the examination voucher with you to the examination.

----- Do not separate -----

(Notes)

- ◎ Please read the application guidelines carefully and fill in the form clearly with a black ballpoint pen (erasable ballpoint pens are not acceptable), except for the examination number column, and mark the appropriate information in the ☐ boxes.
- ◎ In addition to the name of the department, please write the name of the field of study.
- ◎ Please submit the photo and examination voucher without separating them.

受験番号

Name: _____

Examination Fee Payment Confirmation Form (検定料納付状況確認用紙)

***Please select and circle the entrance examination for which you are applying.**

Master's Degree Program (October Admission) • Doctoral Degree Program (October Admission)

Self-Recommendation Entrance Examination • First Term Entrance Examination •

Second Term Entrance Examination • Doctoral Degree Program Entrance Examination

Please check the appropriate box below.

☐ I apply for the examination fee waiver. (Please submit a separate designated application form).

☐ I hereby attach the document that confirms the completion of the payment of examination fee. (Please, paste it into the box)

Please read the "Notes" on the back page carefully before paying the examination fee.

~~~ Notes on the payment of the examination fee. ~~~

**(\*) For applicants residing outside of Japan at the time of application, the method of payment will be different.**

- ◆ After transferring the examination fee of 30,000 yen via ATM or Internet banking, please attach a document (\*) showing that you have transferred the fee to the front side of this form.

**\*Documents that can be used as proof of payment:**

- Receipt of the bank transfer request document (a copy is acceptable)
- ATM receipt (a copy is acceptable)
- A printed copy of the Internet banking transfer completion screen (Make sure that you have completed the process before printing.) etc.

- ◆ Applicants who wish to apply for the examination fee waiver are not required to transfer the application fee. Please check the box "I wish to apply for exemption from the examination fee" on the front page and submit the application form for waiver (university designated form) at the time of application.

◆ Application Fee Transfer Account

|                                      |                                                                     |
|--------------------------------------|---------------------------------------------------------------------|
| 銀行名 / Bank Name                      | みつびし ぎんこう<br>三菱 UFJ 銀行 / MUFG Bank, Ltd.<br>(金融機関/ Bank Code: 0005) |
| 支店名 / Branch Name                    | わかたけ支店/Wakatake Shiten (支店<br>コード/ Branch Code: 809)                |
| 預金種別/ Account Type                   | 普通 / Ordinary Savings                                               |
| 口座番号/ Account Number                 | 2259411                                                             |
| カナ名義/ Account-holder Name in<br>Kana | ダイ) トウホクダイガク/<br>DAI) TOUHOKUDAIGAKU                                |
| 口座名義/ Account-holder Name            | 国立大学法人東北大学/ National<br>University Corporation Tohoku<br>University |

(Notes)

1. When making a direct cash transfer from an ATM, etc., enter the name of the applicant in the "Your Name" field. Other information (telephone number, etc.) may be entered by the person who is actually making payment.
2. When transferring money from an account in the name of someone other than the applicant, please be sure to change the name to the name of the person taking the examination before transferring the money.

- ◆ If you have any questions, please feel free to contact the Academic Affairs Section of the Graduate School of Life Sciences by e-mail. (Inquiries can be made in English or Japanese)

E-mail: lif-kyom@grp.tohoku.ac.jp

# Address Seals

1. Do not fill in the \* marked column.
2. These seals will be used to send the "Letter of Acceptance" and "Enrollment Procedure Documents" to the applicant. Please fill in all 8 boxes carefully in clear letters. (Please submit this page without separating the seals.)
3. Please carefully fill in your name and address (residence) where you can receive mail (only in Japan). For those who live in private apartments, please write down the building number and room number, and for those who live in a shared room, please write the details (to Mr./Ms. XXX from XXX).

4. Please do not correct the "殿" and leave it as it is.

5. If the address provided in the application has changed since the application was submitted, please notify the Academic Affairs Section of the Graduate School of Life Sciences as soon as possible.

|                |  |
|----------------|--|
| Exam. No       |  |
| Department     |  |
| Field of Study |  |
| Name           |  |

(Postal code)

(Address)

-----

-----

-----

(Name)

殿

[\* ]

(Postal code)

(Address)

-----

-----

-----

(Name)

殿

[\* ]

(Postal code)

(Address)

-----

-----

-----

(Name)

殿

[\* ]

(Postal code)

(Address)

-----

-----

-----

(Name)

殿

[\* ]

(Postal code)

(Address)

-----

-----

-----

(Name)

殿

[\* ]

(Postal code)

(Address)

-----

-----

-----

(Name)

殿

[\* ]

(Postal code)

(Address)

-----

-----

-----

(Name)

殿

[\* ]

(Postal code)

(Address)

-----

-----

-----

(Name)

殿

[\* ]