

Tohoku University Advanced Graduate School Pioneering Research Support Project for PhD Students, Doctoral Fellowship Application Guidelines for October 2023 (for doctoral course students)

Tohoku University provides support to PhD students in Tohoku University's Advanced Graduate School Pioneering Research Support Project for PhD Students (hereafter, "project") as part of MEXT's University Fellowship Founding Project for Innovation Creation in Science and Technology and JST's "Support for Pioneering Research Initiated by the Next Generation" program, for which the university has been selected.

In FY2023, as in FY2022, the two projects will work jointly to select and support students. Those who wish to apply for the support through these programs should apply via their graduate school (or via their program office if they are enrolled in a degree program).

【Tohoku University Advanced Graduate School Pioneering Research Support Project for PhD Students】

The project is aimed at excellent PhD students with a strong desire to pursue studies/research in interdisciplinary, international, or academic/industry collaborative areas. It provides financial support sufficient for living expenses, diverse training programs to increase their research abilities, and research grants. It also seeks to improve their research environment by offering an international showcase for their activities. Furthermore, it will accelerate career path building with an eye toward expanding their range of activity after graduation. It will promote quantitative expansion and radical restructuring of PhD curricula, leading to enhanced research capacity for the university overall.

【Tohoku University Advanced Graduate School Doctoral Fellowship】

For those who are motivated to pursue research and who will become important leaders in the creation of science, technology, and innovation in Japan in the future, fellowships will be provided consisting of a stipend and research grant. It will also provide a stable environment in which they can devote themselves to research after completing the doctoral course to secure the posts.

1. Recruitment Quota

Approximately 55 students in total. Out of which 21 students will be accepted as the "Graduate School Strategic Students Acceptance Quota".

The Graduate School Strategic Students Acceptance Quota will be applied to the students who responded to the inquiry from the Admission Division regarding the number of students expected to enroll in the 3-year doctoral course and the doctoral course in the 2023 academic year. If the number of prospective students increases after the above response, it will be still allowed to apply for more than the number allocated for the strategic student intake quota for that number of students.

In addition, the details of recruitment under the "Recruitment Strategic Proposal Type Program" will be specified in a separate document.

※Primarily first year students will be selected, but second through fourth year students will also be selected if there are remaining spots for those students.

2. Period of Award

From October 2023 until the end of the standard course term for the curriculum.

3. Stipend

1) Incentive Stipend (covers living expenses) JPY 180,000/month (standard)

※The monthly amount is determined each year and varies from JPY 160,000 to 200,000 depending on performance. Also, keep in mind that support may not be continued into the next fiscal year.

※The stipend is considered "miscellaneous income." Recipients must report it when they file their income tax declaration.

※International students, who are not yet able to come to Tohoku University, will be eligible for only the research grant and research expenses once they arrive and complete the necessary procedures.

2) Research grant: JPY 340,000/year (JPY170,000 for half a year in FY2023)

※Further research grants etc., may be allocated as competitive funding.

4. Eligibility

This project is open to those who understand its objectives; have a high motivation/curiosity regarding research activities in their specialized fields; possess the awareness and motivation to play a pivotal role in shaping the future society by obtaining their doctoral degree; and will be enrolled in the 1st through 3rd years of 3-year doctoral curricula, or the 1st through 4th years of medical, dental, or pharmaceutical curricula, when the stipend begins.

*Those who plan to take a leave of absence from October 2023 are not eligible to apply.

5. Restriction on Simultaneous Awards

Those who are receiving any of the following types of financial aid cannot receive support from this project.

1. Those who are receiving other scholarships from Tohoku University or other public institutions.
2. Those who are receiving a scholarship from Tohoku University's Academia-Industry Collaborating Graduate Programs.
3. Those who are receiving the JSPS Research Fellowship for Young Scientists.
4. Those who are receiving a salary as per the Guidelines for the Japanese Government (MEXT) International Student Scholarship System (March 31, 1954, ruling by the Minister of Education).
5. Those who are receiving the JASSO Honors Scholarship for Privately Financed International Students.
6. International students who are receiving a scholarship from their own country.
7. Those who are receiving salary income, executive compensation, or financial support equal to or higher than this stipend (annual income of JPY 1.8 million or more) from their companies or universities.
8. Those who are receiving stable and non-loan scholarships from private organizations or companies, equal to or higher than this stipend (annual income of JPY 1.8 million or more).
9. Those who are deemed to be equivalent to any of those listed in the preceding items.

※Even if you are receiving a scholarship or have income, etc. that falls under the above-mentioned restrictions on receiving multiple scholarships at the time of application, you may still apply if you are able to decline that scholarship or income after being selected for this project.

※Recipients are permitted to receive scholarships to cover tuition fees, but the amount will be counted towards the JPY 1.8 million limit mentioned in section 8 above.

※Recipients of Tohoku University's Global Hagi Scholarship may apply to the project but if selected will be required to decline the Global Hagi Scholarship.

※The Tohoku University President Fellowship can be received simultaneously with this project.

※If the scholarship you are receiving does not allow you to receive the other financial aid, you need to follow the rules of that scholarship. When you are selected to this project, you will be required to follow the necessary procedures, which may include withdrawing from the current scholarship.

※Recipients are permitted to receive scholarship loans from JASSO. However, if the recipient becomes

- a Type 1 Scholar in a doctoral course after FY2023, he/she will not be eligible for repayment waiver.
- ※Scholarships etc., for the purpose of supporting travel expenses etc., for overseas study, available regardless of the amount, can be received simultaneously with this project. Please also check the restrictions on receiving duplicate scholarships on the scholarship side.
 - ※Those who are applying for the JSPS Research Fellowship for Young Scientists can also apply for the project, but if selected by the JSPS, you must withdraw from the project.
 - ※Teaching Assistant (TA) and Research Assistant (RA) employment of up to 19 hours per week is permitted to the extent that it does not interfere with research activities. However, it must be included in the recipient's income as per section 7 above, including salary, pension, etc., and the recipient must decline the support from the project if their total income etc., exceeds JPY 1.8 million. Recipients must report their annual income status.

6. Application Documents

Please prepare the following application documents and submit them by the deadline specified by your graduate school.

- 1) Application Form (doctoral program research plan, list of achievements, essay regarding the "Interdisciplinary and International Vision")

-Please select your preferred research field from the following.

The selected field will not affect the screening outcome. If you cannot find your research field in the following, please select the closest match.

| Field | Examples |
|--------------------------------|--|
| Materials and Energy | Research on matter, materials, energy, etc. |
| Life and Environmental Science | Research on life, biology, environment, etc. |
| Information and Systems | Research on information science, networks, system science, etc. |
| Device Technology | Research on nano / optical / semiconductor / MEMS devices, development of new devices, development of integrated devices, etc. |
| Human and Social Systems | Research on the humanities or social sciences |
| Advanced Basic Science | Research on basic science, frontier science, cutting-edge technology, etc. |

- 2) Recommendation letter from your academic advisor
- 3) Any other documents requested by your graduate school

7. Selection Method

Applicants will be recommended by the graduate school dean, then evaluated on their research plans, content, achievements, written student evaluations from academic advisors, and, if necessary, interviews.

8. Announcement of Selection Results

Selection results will be announced through the applicants' graduate schools by the following date.

Applicants for the Recruitment Strategic Proposal Type Program and Graduate School Strategic Students Acceptance Quota: September 30, 2023

Open recruitment applicants excluding the above framework: October 31, 2023

Students selected for the project will belong to the "Pioneering Research Program Unit" of the Advanced Graduate School.

9. Obligations

- 1) In addition to devoting themselves to their research activities, as outlined in their research plans, project recipients are expected to understand the program's principles, fully appreciate that they are receiving national (taxpayer) money, and commit to their studies/research with a suitably sober attitude. If a recipient engages in inappropriate behavior or misconduct, the payment may be withdrawn.
- 2) Recipients must enroll in the advanced research support and career development/building programs offered by the Center for Graduate School Innovation, Advanced Graduate School.
- 3) Recipients must submit a monthly attendance report. They must also promptly report their progress in their studies and research to the director of the Center for Graduate School Innovation at the end of each fiscal year.
- 4) As the stipend is considered "miscellaneous income," recipients must pay income tax. The stipend may disqualify recipients from being claimed as dependents by parents/guardians (for health insurance, dependent allowances, etc.). Recipients should check with their parents/guardians or parents'/guardians' workplaces and perform any necessary procedures.
- 5) In principle, allocated research funds must be executed by the end of March of the relevant fiscal year (delivery of goods, completion of business trips, etc.).
- 6) To ensure appropriate use of the research grant, recipients are required to carefully read the "Use of Research Funds Handbook," undergo compliance education on improper use of research funds, attend classes on ethical research, research ethics education e-learning designated by JST etc., and manage the budget appropriately for your own research.
- 7) The academic advisors will oversee matters related to handling intellectual property and confidential materials to ensure that the recipients' research is conducted appropriately and yields usable results.
- 8) Recipients are required to cooperate with follow-up activities conducted by the Advanced Graduate School's Center for Graduate School Innovation to improve learning/research guidance systems including career development/support, degree programs, and graduate degree screening processes.
- 9) Recipients are asked to participate in the JST's "PhD Students Exchange Meeting" and follow-up activities.
- 10) Those who are selected for the project are strongly encouraged to apply for the JSPS Research Fellowship for Young Scientists.

11) When you publish or release the research achievements obtained during the project, recipients must indicate that they have received support from the project.

※Since the project is carried out with assistance from government funding, the support period and content may change depending on national policy.