

Tohoku University Advanced Graduate School Pioneering Research Support Project for PhD Students, Doctoral Fellowship Application Guidelines 2022 (for doctoral course students)

Tohoku University provides aid 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 FY2022, the two projects will work together to select and support students. In the selection process, particularly outstanding students will be selected for the "Pioneering Research Support Project."

【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 aid 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 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.

Those who wish to apply for this project should do so through their current graduate school (or their current program, for those enrolled in a degree program).

【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, we will provide fellowships consisting of a stipend and research grant, and secure posts that will provide a stable environment in which they can devote themselves to research after completing the doctoral course.

1. Recruitment Quota *The Graduate School of Economics and Management will not apply the priority slots this year.

Approximately 50 students. Of these, 30 will be hired as priority slots.

Primarily first-year students will be selected, but second through fourth-year students will also be selected if there is room for more students.

2. Period of Award

From October 2022 until the end of the standard course term for the curriculum.

3. Stipend

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

※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.

※Foreign 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

※Further research grants 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; will have upon obtaining their doctoral

degree the awareness and motivation to play a central role in future society; and will be enrolled in the 1st through 3rd years of 3-year doctoral curricula, or the 1st through 4th years of medical, dentistry, or pharmaceutical curricula, when the stipend begins.

*Those who plan to take a leave of absence from October 2022 are not eligible to apply.

5. Restriction on Simultaneous Awards

Those who are receiving any of the following types of financial support cannot receive aid 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 1.8 million yen 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 1.8 million yen 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 1.8 million yen limit mentioned in paragraph 8 above.

※Recipients of Tohoku University's Global Hagi Scholarship for Doctoral Students 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.

※Even if the scholarship you are receiving does not allow you to receive both scholarships, you need to follow the rules of that scholarship and perform all required procedures if you are selected for this project.

※Recipients are permitted to receive scholarship loans from JASSO.

※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.

※Those who are applying for the Research Fellowship for Young Scientists can also apply for the project, but if selected must withdraw from the project. Those who are selected for the project are strongly encouraged to apply for the Research Fellowship for Young Scientists too.

※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 paragraph 7 above, and the recipient must decline aid from the project if their total income etc. exceeds 1.8 million yen. 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, "Interdisciplinary / International Vision" essay)

-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.

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

Applicants for priority quota: September 30, 2022

Applicants excluding priority quota: October 31, 2022

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.
- 2) Recipients must enroll in the advanced research support and career development/building programs offered by the Advanced Graduate School's Center for Graduate School Innovation.
 - 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) The deadline for using the research grant is the last day of February of the following year. Research grant funds cannot be carried over to the next year.
 - 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 appropriately budget and execute their 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) When presenting research results obtained during the project, recipients must indicate that they have received aid 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.