

**(Support Starting from April 2023 and October 2023)**

The Ministry of Education, Culture, Sports, Science and Technology (MEXT) promotes the "Project for Establishing University Fellowships for the Creation of Innovation in Science and Technology" with the aim of fostering and securing creative researchers who will assume essential roles for the future creation of science, technology and innovation in Japan.

Recently, MEXT selected Hiroshima University to establish Fellowships within the following four research categories: information/AI, quantum physics, materials, and sustainability science. As a result, Hiroshima University has established the Hiroshima University Graduate School Research Fellowship to train advanced research personnel who can lead the creation and utilization of new wisdom, create value that will tow the next generation, and bring science and technology innovation to society. The Fellowship will recruit and select Research Fellows from amongst 1st-year doctoral students of graduate schools and programs related to information/AI, quantum physics, materials, and sustainability science, and provide them with financial and career support so that they concentrate on their research. The program provides the Fellows with stipends and research funds as financial support. Furthermore, the tuition fees of the Research Fellows are planned to be exempted (depending on the Japanese government's budgetary measures).

The call for applications for support starting from April 2023 and October 2023, has been updated below.

**1. Number of Positions**

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\* The upper part of the "Major Subject (Program)" column for each research field shows the major subjects (programs) that are mainly targeted for the respective research fields, and the lower part shows the other major subjects (programs) which are also eligible to apply.

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also welcome the applicants who desire to open a new paradigm in such mathematics-related to quantum physics as quantum groups and quantum walks.

#### <Materials>

In the materials research field, we encourage each Research Fellow to cultivate a strong desire for knowledge, enhance their comprehensive viewing capabilities, and improve their transferable skills by promoting cross-disciplinary and integrated education and research activities to develop personnel who can play an active role in both industry and academia and contribute to the strategy for strengthening material innovation, toward the realization of Society 5.0.

#### <Sustainability Science>

In the field of sustainability, we provide interdisciplinary educational programs necessary to solve global issues such as poverty, conflict, infectious diseases and environmental problems, in order to build a sustainable society. This program develops human resources who understand the complex interdependence between natural environmental systems and human social systems from a macro perspective on a global scale and a micro perspective at the regional level. We hope that these human resources will have the ability to propose and implement problem-solving methods by means such as the social implementation of science and technology, policy planning, and collaboration with stakeholders in any aspect of the world.

### **8. Contact Information**

Research Fellowship Application Office, Hiroshima University (Global Career Design Center)

E-mail: [fellowship@office.hiroshima-u.ac.jp](mailto:fellowship@office.hiroshima-u.ac.jp)



## <Outline of Support by Hiroshima University Graduate School Research Fellowship>

### 1. Research Fellow Support

(1) In order to support the Research Fellows and allow them to concentrate on their studies and/or research, stipends will be provided for up to three years after their enrollment\*. Based on the principle monthly amount of 150,000 yen, two ly, September, November, January, and March.

However, if it becomes necessary for a Research Fellow to suspend or extend the period of support due to childbirth,

Also, for those selected during a call undertaken to replace previously selected Research Fellows, their support period will be up until the end of the support period of the previous Research Fellow.

(2) The stipends are taxable as a miscellaneous income. Therefore, every Research Fellow is required to file an income tax return.

Furthermore, if a student with dependents (parents, etc.) is provided with a Research Fellowship, they may need to be excluded from their dependents. Therefore, if a student is selected as a Research Fellow, they should inform their dependents (parents, etc.) that the stipends they receive will be treated as a miscellaneous income under the Japanese tax law. For the procedures required to change your health insurance or dependents, please contact the person in charge at the workplace of your dependents (parents, etc.).

(3) For a period of up to three years

will be funded from the academic year in which they have been selected as a Research Fellow. Furthermore, the maximum amount of research funds for an academic year in which the period of support is six months or less shall be limited to 150,000 yen.

(4) For international students and others who are currently overseas and are provisionally selected for the Research Fellowship, as a general rule, the stipends and research funds will begin to be provided once the Fellow has entered Japan and is able to commute to the University campus (retroactive payments will not be provided for the period of non-entry). Furthermore, any period of non-entry will be treated as a period of suspension and subsequently, the outlined support will be provided for up to three years after entering Japan.

(5) In addition to the aforementioned stipends and research funds, due to a budgetary measure of the Japanese government, the tuition fees of the Research Fellows are planned to be exempted (depending on the Japanese government's budgetary measures).

### 2. Research Fellow Obligations

Research Fellows shall fulfill the following obligations to receive support:

(1) Develop a yearly research plan for each academic year and concentrate on research activities based on the plan.

(2) Participate in programs offered by the University related to improving research capabilities.

(3) Report the progress of research activities to the University regularly.

(4) Have regular meetings with mentors.

(5) Cooperate with various surveys, including follow-up surveys on careers after graduation.

(6) Based upon the “広島大学における研究活動に係る研究倫理教育に関する細則” (only available in Japanese), make sure to undertake necessary research ethics education.

### 3. Research Fellow Cancellation

If a Research Fellow falls under any of the following cases, the Research Fellow will be withdrawn, and the provision of stipends and research funds shall be discontinued:

Note that this annual income refers to stable incomes, such as standard salaries/remunerations, and does not include income received from paid internships, RA/TA, part-time work, etc.

(2) The Fellow receives a Research Fellowship for Young Scientists from the Japan Society for the Promotion of Science, a Japanese Government (MEXT) Scholarship for international students, or any other scholarship/s from their home country.

(4) The Fellow does not meet the original eligibility requirements.

(5) The Fellow requests to cancel their Fellowship.

(6) The Fellow takes a leave of absence from the University. However, in the case of childbirth, childcare, illness, etc.,  
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resumption of payments, and other such factors.

- (7) The Fellow withdraws from, or is removed from the University.
- (8) The President of the University decides that there is a valid reason to cancel the Fellowship.

#### **4. Repayment of Excess Stipend Payments and Research Funds**

If the period of support is shortened due to early completion, cancellation of support, etc., the payment of the stipends will be stopped at the end of the shortened support period, and any excess amount which has been paid will need to be returned. Also, in principle, the research funds will also need to be returned in proportion to the number of months the support period was shortened by.

#### **5. Others**

possible to receive a salary via a RA/TA position, etc., or work part-time.

(3) Any personal information stated within the application documents, and any other necessary personal information provided by the graduate school to which an applicant belongs to, will be used only for the purposes of the selection of candidates, preparation for acceptance, education/research guidance, etc.