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September 7, 2022

Micron Awards FY2022 (2nd Call for Applications)

- Fellowship for Female Students of Master's Courses (1st Year) from the Science and Technology Fields at Hiroshima University -

Women's Research Activities Committee

1. Objectives

While we have seen an increase in participation of females in the workforce, the number of successful female researchers in the Science, Technology, Engineering and Mathematics (STEM) fields remains low as of today. Therefore, the Women's Research Activities Committee is offering a Fellowship to female researchers who are highly motivated to be successful in the science and technology fields, in order to encourage their aspirations and hopes for their future. By utilizing the funds donated from the Micron Technology Foundation Inc., this Fellowship will be given to female graduate students from the science and technology fields at Hiroshima University.

2. Application Category, Expected Number of Awardees and Fellowship Funds Amount

Application Category	M1 Master's Course (1 st Year)
Expected Number of Awardees	Approximately 2
Fellowship Funds Amount (per Awardee)	JPY500,000

3. Eligible Research Fields

The eligible research fields are restricted to the "Basic Sections" listed in the "Review Section Table", within the Appended Table.

4. Application Eligibility (Applicants must satisfy both (1) and (2) of the following criteria)

(1) Application Category M1

Is a female student who is enrolled in a Master's course at Hiroshima University as of April 2022, and is considering continuing onto a Doctoral course at Hiroshima University after the completion of their Master's course in FY2024.

(2) Does NOT fall under any of the following (a) to (e), and is currently residing in Japan at the time of application.

(a) Is employed/working at an organization at the time of application and expect to receive salary, fees, rewards or any other income that exceeds JPY2.4 million, for the period from January 2022 to December 2022. (Receiving a salary or working part-time in a job such as a TA or

RA does not preclude the eligibility requirements.)

- (b) Is an international student who is sponsored by a Japanese Government (MEXT) Scholarship (<https://www.hiroshima-u.ac.jp/en/international/admissions/mext>) at the time of application.
- (c) Is an international student who is financially supported through scholarships/grants, etc., from her home country at the time of application.
- (d) Is receiving/has received or is applying/has applied for a scholarship/s from other organizations, etc., which prohibits the recipient to receive this Fellowship and other scholarships/grants etc., from any other parties, during the scholarship period.
- (e) Is a selected awardee from the 1st Call for Applications of the Micron Awards FY2022.

5. Application Method

Please fill in the necessary information for both of the below WORD files within (1) and (2), save both of them as a PDF and submit them within Microsoft Forms, as specified below within (3). (Please fill in the documents either in Japanese or English.)

- (1) Application Sheet A: Template attached within Appendix 1.
- (2) Application Form B: Application Document for JSPS Research Fellowship for Young Scientists (FY2023) (p.3-9) *only available in Japanese.
https://www.jps.go.jp/j-pd/data/boshu/03_dc_naiyo.docx
- (3) Submission of Application via Microsoft Forms: Please access the link for the Application Submission Form via the below linked website, fill in the required information, and upload your completed Application Sheet A and Application Form B accordingly.
URL: <https://forms.office.com/r/BVWnYR0DTu>

6. Application Deadline

Wednesday, October 5, 2022 at 11:59 a.m.

7. Selection Method and Results

- (1) Selection Method: Selected by the Women's Research Activities Committee
- (2) Announcement of Selection Results: The results are planned to be announced to all applicants in mid-November, 2022.

8. Awarding of Fellowship

- (1) Successful applicants will be awarded the Fellowship at the Award Ceremony/Symposium, which is currently planned to be held online in early December.
- (2) The Fellowship Funds are expected to be fully transferred to the awardee's bank account in December 2022. (Please note that the awardee's bank account must have been opened within Japan, i.e. opened at the headquarters or branch of the bank, which is located within Japan. The account holder must be the awardee herself.)

9. Inquiries

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10. Other Points to Note

- (1) As described in Section 5(2), you are required to submit Application Form B using JSPS's DC application template for the purposes of our screening process.

Please refer to the following site to find more details about the JSPS Research Fellowship for Young Scientists. <https://www.jsps.go.jp/english/index.html>

- (2) The Fellowship Funds are taxable as a miscellaneous income, and the awardees are required to file an income tax return by themselves. Moreover, if they are a tax dependent of their supporter (parents, etc.), it will be possible that they will no longer be able to be a dependent of their supporter due to the Fellowship Funds. Awardees should tell their supporter (parents, etc.) that the Fellowship Funds are a miscellaneous income under the Japanese tax law, and inquire with the employer of their supporter (parents, etc.) regarding the details of their health insurance and their dependent status.

Appended Table

Review Section Table

The research field sections are based upon the “Review Section Table” from JSPS’s researcher development program (applicable in FY2023).

https://www.jsps.go.jp/j-pd/data/pd_sinsa-set/shinsakubun_souhyou.pdf

The applicants’ research fields for this Fellowship are restricted to the below-listed “Basic Sections” (classified by 5-digit codes), within the following four Research Fields (I – IV).

Research Field I: Mathematical and physical sciences

小区分	研究内容	Basic Section	Research content
31	代数学、幾何学およびその関連分野	31	Algebra, geometry, and related fields
11010	代数学関連	11010	Algebra-related
11020	幾何学関連	11020	Geometry-related
32	解析学、応用数学およびその関連分野	32	Analysis, applied mathematics, and related fields
12010	基礎解析学関連	12010	Basic analysis-related
12020	数理解析学関連	12020	Mathematical analysis-related
12030	数学基礎関連	12030	Basic mathematics-related
12040	応用数学および統計数学関連	12040	Applied mathematics and statistics-related
33	物性物理学およびその関連分野	33	Condensed matter physics and related fields
13010	数理物理および物性基礎関連	13010	Mathematical physics and fundamental theory of condensed matter physics-related
13020	半導体、光物性および原子物理関連	13020	Semiconductors, optical properties of condensed matter and atomic physics-related
13030	磁性、超伝導および強相関系関連	13030	Magnetism, superconductivity and strongly correlated systems-related
13040	生物物理、化学物理およびソフトマターの物理関連	13040	Biophysics, chemical physics and soft matter physics-related
34	プラズマ科学およびその関連分野	34	Plasma science and related fields
14010	プラズマ科学関連	14010	Fundamental plasma-related
14020	核融合学関連	14020	Nuclear fusion-related
14030	プラズマ応用科学関連	14030	Applied plasma science-related
80040	量子ビーム科学関連	80040	Quantum beam science-related
35	素粒子、原子核、宇宙物理学およびその関連分野	35	Particle-, nuclear-, astro-physics, and related fields
80040	量子ビーム科学関連	80040	Quantum beam science-related
15010	素粒子、原子核、宇宙線および宇宙物理に関連する理論	15010	Theoretical studies related to particle-, nuclear-, cosmic ray and astro-physics
15020	素粒子、原子核、宇宙線および宇宙物理に関連する実験	15020	Experimental studies related to particle-, nuclear-, cosmic ray and astro-physics
36	天文学およびその関連分野	36	Astronomy and related fields
16010	天文学関連	16010	Astronomy-related
37	地球惑星科学およびその関連分野	37	Earth and planetary science and related fields
17010	宇宙惑星科学関連	17010	Space and planetary sciences-related
17020	大気水圏科学関連	17020	Atmospheric and hydrospheric sciences-related
17030	地球人間圏科学関連	17030	Human geosciences-related
17040	固体地球科学関連	17040	Solid earth sciences-related

Research Field II: Chemistry

小区分	研究内容	Basic Section	Research content
41	物理化学、機能物性化学、無機・錯体化学、分析化学、無機材料化学、エネルギー関連化学およびその関連分野	41	Physical chemistry, functional solid state chemistry, inorganic/coordination chemistry, analytical chemistry, inorganic materials chemistry, energy-related chemistry, and related fields
	物理化学、機能物性化学およびその関連分野		Physical chemistry, functional solid state chemistry, and related fields
32010	基礎物理化学関連	32010	Fundamental physical chemistry-related
32020	機能物性化学関連	32020	Functional solid state chemistry-related
	無機・錯体化学、分析化学およびその関連分野		Inorganic/coordination chemistry, analytical chemistry, and related fields
34010	無機・錯体化学関連	34010	Inorganic/coordination chemistry-related
34020	分析化学関連	34020	Analytical chemistry-related
34030	グリーンサステイナブルケミストリーおよび環境化学関連	34030	Green sustainable chemistry and environmental chemistry-related
	無機材料化学、エネルギー関連化学およびその関連分野		Inorganic materials chemistry, energy-related chemistry, and related fields
36010	無機物質および無機材料化学関連	36010	Inorganic compounds and inorganic materials chemistry-related
36020	エネルギー関連化学	36020	Energy-related chemistry
42	有機化学、高分子、有機材料	42	Organic chemistry, polymers, organic materials
	有機化学およびその関連分野		Organic chemistry and related fields
33010	構造有機化学および物理有機化学関連	33010	Structural organic chemistry and physical organic chemistry-related
33020	有機合成化学関連	33020	Synthetic organic chemistry-related
	高分子、有機材料およびその関連分野		Polymers, organic materials, and related fields
35010	高分子化学関連	35010	Polymer chemistry-related
35020	高分子材料関連	35020	Polymer materials-related
35030	有機機能材料関連	35030	Organic functional materials-related

Research Field III: Engineering sciences

小区分	研究内容	Basic Section	Research content
51	材料力学、生産工学、設計工学、原子力工学、地球資源工学、エネルギー学、流体工学、熱工学、機械力学、ロボティクス、航空宇宙工学、船舶海洋工学およびその関連分野	51	Mechanics of materials, production engineering, design engineering, nuclear engineering, earth resources engineering, energy engineering, fluid engineering, thermal engineering, mechanical dynamics, robotics, aerospace engineering, marine and maritime engineering, and related fields
	材料力学、生産工学、設計工学およびその関連分野		Mechanics of materials, production engineering, design engineering, and related fields
	18010 材料力学および機械材料関連		18010 Mechanics of materials and materials-related
	18020 加工学および生産工学関連		18020 Manufacturing and production engineering-related
	18030 設計工学関連		18030 Design engineering-related
	18040 機械要素およびトライボロジー関連		18040 Machine elements and tribology-related
	原子力工学、地球資源工学、エネルギー学およびその関連分野		Nuclear engineering, earth resources engineering, energy engineering, and related fields
	31010 原子力工学関連		31010 Nuclear engineering-related
	31020 地球資源工学およびエネルギー学関連		31020 Earth resource engineering, Energy sciences-related
	流体工学、熱工学およびその関連分野		Fluid engineering, thermal engineering, and related fields
	19010 流体工学関連		19010 Fluid engineering-related
	19020 熱工学関連		19020 Thermal engineering-related
	機械力学、ロボティクスおよびその関連分野		Mechanical dynamics, robotics, and related fields
	20010 機械力学およびメカトロニクス関連		20010 Mechanics and mechatronics-related
	20020 ロボティクスおよび知能機械システム関連		20020 Robotics and intelligent system-related
	航空宇宙工学、船舶海洋工学およびその関連分野		Aerospace engineering, marine and maritime engineering, and related fields
	24010 航空宇宙工学関連		24010 Aerospace engineering-related
	24020 船舶海洋工学関連		24020 Marine engineering-related
52	電気電子工学、応用物理物性、応用物理学およびその関連分野	52	Electrical and electronic engineering, applied condensed matter physics, applied physics and engineering, and related fields
	電気電子工学およびその関連分野		Electrical and electronic engineering, and related fields
	21010 電力工学関連		21010 Power engineering-related
	21020 通信工学関連		21020 Communication and network engineering-related
	21030 計測工学関連		21030 Measurement engineering-related
	21040 制御およびシステム工学関連		21040 Control and system engineering-related
	21050 電気電子材料工学関連		21050 Electric and electronic materials-related
	21060 電子デバイスおよび電子機器関連		21060 Electron device and electronic equipment-related
	応用物理物性およびその関連分野		Applied condensed matter physics and related fields
	29010 応用物性関連		29010 Applied physical properties-related
	29020 薄膜および表面界面物性関連		29020 Thin film/surface and interfacial physical properties-related
	29030 応用物理一般関連		29030 Applied condensed matter physics-related
	応用物理学工学およびその関連分野		Applied physics and engineering and related fields
	30010 結晶工学関連		30010 Crystal engineering-related
	30020 光工学および量子科学関連		30020 Optical engineering and photon science-related
53	土木工学、社会システム工学、安全工学、防災工学、建築学およびその関連分野	53	Civil engineering, social systems engineering, safety engineering, disaster prevention engineering, architecture, building engineering, and related fields
	土木工学およびその関連分野		Civil engineering and related fields
	22010 土木材料、施工および建設マネジメント関連		22010 Civil engineering material, execution and construction management-related
	22020 構造工学および地震工学関連		22020 Structure engineering and earthquake engineering-related
	22030 地盤工学関連		22030 Geotechnical engineering-related
	22040 水工学関連		22040 Hydroengineering-related
	22050 土木計画学および交通工学関連		22050 Civil engineering plan and transportation engineering-related
	22060 土木環境システム関連		22060 Environmental systems for civil engineering-related
	社会システム工学、安全工学、防災工学およびその関連分野		Social systems engineering, safety engineering, disaster prevention engineering, and related fields
	25010 社会システム工学関連		25010 Social systems engineering-related
	25020 安全工学関連		25020 Safety engineering-related
	25030 防災工学関連		25030 Disaster prevention engineering-related
	建築学およびその関連分野		Architecture, building engineering, and related fields
	23010 建築構造および材料関連		23010 Building structures and materials-related
	23020 建築環境および建築設備関連		23020 Architectural environment and building equipment-related
	23030 建築計画および都市計画関連		23030 Architectural planning and city planning-related
	23040 建築史および意匠関連		23040 Architectural history and design-related
	90010 デザイン学関連		90010 Design-related
54	材料工学、化学工学、ナノマイクロ科学およびその関連分野	54	Materials engineering, chemical engineering, nano/micro science, and related fields
	材料工学およびその関連分野		Materials engineering and related fields
	26010 金属材料物性関連		26010 Metallic material properties-related
	26020 無機材料および物性関連		26020 Inorganic materials and properties-related
	26030 複合材料および界面関連		26030 Composite materials and interfaces-related
	26040 構造材料および機能材料関連		26040 Structural materials and functional materials-related
	26050 材料加工および組織制御関連		26050 Material processing and microstructure control-related
	26060 金属生産および資源生産関連		26060 Metals production and resources production-related
	化学工学およびその関連分野		Chemical engineering and related fields
	27010 移動現象および単位操作関連		27010 Transport phenomena and unit operations-related
	27020 反応工学およびプロセスシステム工学関連		27020 Chemical reaction and process system engineering-related
	27030 触媒プロセスおよび資源化学プロセス関連		27030 Catalyst and resource chemical process-related
	27040 バイオ機能応用およびバイオプロセス工学関連		27040 Biofunction and bioprocess engineering-related
	ナノマイクロ科学およびその関連分野		Nano/micro science and related fields
	28010 ナノ構造化学関連		28010 Nanometer-scale chemistry-related
	28020 ナノ構造物理関連		28020 Nanostructural physics-related
	28030 ナノ材料科学関連		28030 Nanomaterials-related
	28040 ナノバイオサイエンス関連		28040 Nanobioscience-related
	28050 ナノマイクロシステム関連		28050 Nano/micro-systems-related

Research Field III: Engineering sciences (continued)

小区分	研究内容	Basic Section	Research content
90	人間工学およびその関連分野	90	Biomedical engineering and related fields
90110	生体医学関連	90110	Biomedical engineering-related
90120	生体材料学関連	90120	Biomaterials-related
90130	医用システム関連	90130	Medical systems-related
90140	医療技術評価学関連	90140	Medical technology assessment-related
90150	医療福祉工学関連	90150	Medical assistive technology-related

Research Field IV: Informatics

小区分	研究内容	Basic Section	Research content
61	情報科学、情報工学、応用情報学およびその関連分野	61	Information science, computer engineering, applied informatics, and related fields
	情報科学、情報工学およびその関連分野		Information science, computer engineering, and related fields
60010	情報学基礎論関連	60010	Theory of informatics-related
60020	数理情報学関連	60020	Mathematical informatics-related
60030	統計科学関連	60030	Statistical science-related
60040	計算機システム関連	60040	Computer system-related
60050	ソフトウェア関連	60050	Software-related
60060	情報ネットワーク関連	60060	Information network-related
60070	情報セキュリティ関連	60070	Information security-related
60080	データベース関連	60080	Database-related
60090	高性能計算関連	60090	High performance computing-related
60100	計算科学関連	60100	Computational science-related
62	人間情報学およびその関連分野	62	Human informatics and related fields
61010	知覚情報処理関連	61010	Perceptual information processing-related
61020	ヒューマンインタフェースおよびインタラクション関連	61020	Human interface and interaction-related
61030	知能情報学関連	61030	Intelligent informatics-related
61040	ソフトコンピューティング関連	61040	Soft computing-related
61050	知能ロボティクス関連	61050	Intelligent robotics-related
61060	感性情報学関連	61060	Kansei informatics-related
90010	デザイン学関連	90010	Design-related
90030	認知科学関連	90030	Cognitive science-related