

AY 2022
University Fellowship Founding Project
for Innovation Creation in Science and Technology

Fellowship Program to Foster Architects
Who Lead a Super-Smart Society by
Co-Creating Innovating Solutions to “X-Care” Social Issues

Fellowship Student Application Guidelines

Three-Year Doctoral Course D2 Students

Four-Year Doctoral Course D3 Students

Osaka City University, Osaka Prefecture University
Fellowship Support Office

***Contents assume that the budget for academic year 2022 will be met; however, since the budget for the project has not yet been determined, the contents related to support are subject to change.**

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Schedule for application and selection

Application period: Mon. January 31, 2022 – Fri. February 4, 2022, 5:00 p.m.

Interview: One of the following days: February 16 (Wed) through February 25 (Fri), 2022

Announcement of Acceptance: Tue. March 8, 2022

Fellowship Program to Foster Architects who Lead a Super-Smart Society with Co-Creating Innovative Solutions to “X-Care” Social Issues

1. Our Ideal Image of Researcher

In this program, we define "X-Care" issues as those that require discerning and understanding the health and soundness of people, products, society, and culture, especially in human healthcare, product care, and social system care, as well as the prevention of unhealthy conditions alongside a rapid recovery to a healthy state. The goal of this program is to foster “co-creative X-Care problem-solving architects,” who can design systems to solve these problems through co-creation activities with various stakeholders. The architects are required to have (1) “sense of discernment” to decide what information to use to determine the health status of the care target, (2) expertise to essentially decipher the health of the care target from the data, (3) data analytics expertise to process and analyze a vast amount of data on the care target using appropriate algorithms in a timely manner. In addition, they are required to have the ability to design a sustainable ecosystem with many members in order to resolve X-Care issues. Based on these elements as a background, this program will foster human resources with the ability to solve social issues through an interdisciplinary approach, focusing on informatics and collaborating with the natural sciences, humanities, and social sciences.

2. Obligations of Eligible Students

The fellowship student shall have the following obligations:

- Obtaining a certain number of credits from common education courses at graduate school
- Participation in a long-term internship
- Portfolio management for required skill items
- Evaluation of achievement and progress reports on research goals (twice a year)

3. Program Features

(1) Programs to improve research capabilities and support career paths

- Providing opportunities for co-creative joint research
- Providing lectures that contribute to solve X-Care issues
- Providing lectures to support the improvement of research capabilities

(2) Programs to secure career paths

- Conducting long-term internships
- Introduction of multiple supervisor scheme through a mentor system
- Conducting Interactive Matching event with related companies

4. Application Requirements

Applicants must have excellent research abilities and meet the following requirements to ensure successful execution of this project:

(1) Graduate School and Majors listed in Table 1-1 and Table 1-2 (Three-Year Doctoral Course)

Students enrolled in April 2021, who still belong to an eligible course and not taking a leave of absence as of April 1, 2022.

(2) Graduate Schools and Majors listed in Table 2 (Four-Year Doctoral Course)

Students enrolled in April 2020, who still belong to an eligible course and not taking a leave of absence as of April 1, 2022.

However, the following are excluded:

- Students who have been selected as a Research Fellowship for Young Scientists (DC) of the Japan Society for the Promotion of Science (JSPS)
- Foreign students supported by the Japanese Government (Japanese Ministry of Education, Culture, Sports, Science, and Technology [MEXT]) Scholarship Program
- International students who receive scholarships and/or other support from their home country
- Working students who have been receiving a sufficient amount of money as living expenses (2.4 million yen / year as a reference) from the company to which they belong.
- Those who are receiving support from the Support for Pioneering Research Initiated by the Next Generation program

* Even if you meet these requirements above, you may not be eligible in case you have taken a leave of absence after enrollment of the doctoral course. Please check individually with the Support Office if it is the case.

Precautions

- Other financial supports from such as scholarships of JASSO and various foundations

Since this program is targeting to "create an environment where students can concentrate on their research" and JASSO scholarships has the different nature, you may basically receive the support from this program and either of loan-type or benefit-type scholarships at the same time. However, JASSO may not allow you to receive scholarships at the same time. Please make sure to check with JASSO as well.

Regarding scholarships from various foundations, those foundations may not allow you to receive scholarships together with this project. Please make sure to check with the foundations.

- Second and third choice

If you are not selected for your first choice of the program, you may further apply for second and/or third choice(s) in a different field of fellowship programs or for the Program for the Development of Human Resources with a Rhizome-Based Research Approach (Support for Pioneering Research Initiated by the Next Generation program). Nevertheless, such further application is considered only if the field and/or program of your second and third choices have not been filled.

Further, eligible persons who apply for this program as their first choice, may not apply for Support for Pioneering Research Initiated by the Next Generation at the same time as their first choice.

Table 1-1

Osaka Prefecture University (OPU) Graduate School/Department/Major	
Humanities and Sustainable System Sciences	Humanities and Sustainable System Sciences
	Humanities and Social Sciences
Economics	Economics
Science	Mathematical Sciences
	Physical Science
	Chemistry
	Biological Science
Engineering	Mechanical Engineering
	Aerospace and Marine-System Engineering
	Electronics, Mathematics, and Physics
	Electrical Engineering and Information Science
	Materials Science and Engineering
	Quantum and Radiation Engineering
Life and Environmental Sciences	Applied Life Science
	Environmental Sciences and Technology
Comprehensive Rehabilitation	Comprehensive Rehabilitation
Nursing	Nursing

Table 1-2

Osaka City University Graduate School/Department/Major	
Literature and Human Sciences	Philosophy and History
	Human Behavioral Sciences
	Language and Culture
	Cultural Management
Law	Law and Political Science
Economics	Modern Economy
Business	Global Business
Urban Management	Urban Management
Science	Mathematics and Physics
	Mathematics and Physics
	Biology and Geosciences
Engineering	Mechanical and Physical Engineering
	Physical Electronics and Informatics
	Applied Chemistry and Bioengineering
	Urban Engineering
Nursing	Nursing
Human Life and Ecology	Human Life and Ecology

Table 2

Graduate School/Department	
OPU/ Life and Environmental Sciences	Veterinary Science
OCU/ Medicine	Basic Medical Science
	Clinical Medical Science

5. Number of students to be accepted (capacity)

A few

6. Application Documents

(1) Where to apply:

Please visit <https://forms.office.com/r/B79k1wKA29> and submit the required information. After you have submitted them, you will receive an email on the address that you have entered. Once you submit the following two files, your application will be complete.

(2) Files

1. Essay using Form 1 (attached)

Please name the file "Student ID Number_Name.pdf" (in .pdf format only).

2. Face Photo (above shoulders) (jpg, bmp, png format).

Please name the file "Student ID Number_name.jpg" (or bmp, png).

If you belong to another university at the time of application, you do not need to enter your student ID number.

Form 1 can be downloaded from <http://fellowship-program.osakafu-u.ac.jp>.

Notes for special caution

- (1) Incomplete application documents will not be accepted.
- (2) Documents submitted at the time of application will not be returned.
- (3) No revisions of documents are allowed after the application procedure has been completed.
- (4) If it is confirmed that the information entered in the application form, or the information contained in the submitted documents, is not true, the applicant's eligibility to participate in this project may be revoked.
- (5) Personal information provided by applicants will be used only for the purpose of selection.
- (6) No application fee is required for the selection process.

7. Selection Method

(1) Examination contents

Subjects for examination	Scoring	Outline etc.
Short essay	100 points	To be prepared in accordance with Form 1.
Interview	100 points	This will be conducted online. You will have seven minutes at the beginning to present your essay, followed by a question-and-answer session.

- (2) Evaluation method: Evaluation (scoring) will be performed in accordance with the results of the essay and interview. Scoring will be based on the Rubric Evaluation Table.

8. Date and Place of Interview

After the application documents are received, the date and time will be designated sometime between February 16 (Wednesday) and February 25 (Friday), 2022.

If, during the abovementioned time periods, you are unable to attend an interview for legitimate reasons such as presentations at academic conferences, please specify your unavailability for the interview with the reason in the designated column of the application form (you may be asked to submit documentation to verify the reason later). However, this does not guarantee that the interview will be held at a time other than the specified time slot.

The interview will take approximately 25 minutes.

We will inform you of the date and time of the interview and the URL for the Zoom meeting by Tuesday, February 15. If you do not hear from us by 4:30 p.m. on Tuesday, February 15, please contact us by 5:00 p.m. on the same day at the e-mail address listed in “12. Contact for Inquiries.”

Notes:

- (1) In the event that an interview cannot be conducted as scheduled due to a natural disaster, etc., an “emergency notice” will be sent out via e-mail, so please check.
- (2) Emergency contact information on the day of the interview is the same as in “12. Contact for Inquiries.”

9. Schedule

(1) Application Period

Monday, January 31, 2022 – Friday, February 4, 2022, 5:00 p.m.

(2) Notification of Interview Date and time

Notification to be sent by Tuesday, February 15, 2022 to the e-mail address provided on the application form

(3) Interview

Wednesday, February 16, 2022 – Friday, February 25, 2022 between 9:00 and 17:05. The interview will take approximately 25 minutes.

(4) Announcement of Acceptance

Tuesday, March 8, 2022: Successful applicants will be notified at the e-mail address that you provided on your application form.

We will not respond to any inquiries regarding acceptance or rejection by phone.

10. Program Start Date and Eligibility

1. Program start date: April 1, 2022 (Friday)
2. Eligibility: Applicants who have passed this selection process and are admitted to and enrolled in the major listed in "4. Application Requirements" as of April 1, 2022.

Note:

Supports may be terminated if you take a leave of absence during the support period depending on the reasons.

11. Fellowship Payment

Students who are eligible for this program can apply for a fellowship (2.3 million yen per year [of this, 1.8 million yen is for research dedication support fee]).

This research dedication support fee is treated as miscellaneous income at tax treatment. The procedures for taxes, social insurance, pensions, etc., related to the receipt of the research dedication support fee will be explained after the announcement of acceptance.

12. Contact for Inquiries

Please inquire at the Support Office of your current university.

Please note that to avoid any discrepancies in the information shared by the Support Offices, inquiries will be accepted only by email. We thank you in advance for your understanding.

University Fellowship Program Support Office

<Osaka City University>

Email: kensi-fellowship@list.osaka-cu.ac.jp

<Osaka Prefecture University>

Email: fellow-opu@ao.osakafu-u.ac.jp

(Form 1)

University Fellowship Founding Project for Innovation Creation in Science and Technology

Nanbu-Einstein Fellowship Program

Fellowship Program to Foster International Ph.D. Holding Researchers through Materials Innovations

Fellowship Program to Foster Architects who Lead a Super-Smart Society with Co-Creating Innovative Solutions to “X-Care” Social Issues

Essay Form

	Examinee's number	(Do not fill in)
Name	Date of Birth YYYY/MM/DD	
<p><u>Essay Assignment</u></p> <p>Understand the ideal researcher characteristics of the fellowship program (Quantum, Materials, and Super-Smart Society) that you are applying for, and write an essay of <u>about 750 to 800 words</u>, which includes the following information:</p> <p>(1) Describe the purpose of your research (academic background, specific objectives, features, original points, etc.) and your plan (specific research content and methods to achieve the research goal, etc.). Carefully describe your research in such a way that it can be understood by researchers outside your field of expertise. Describe how your research will lead to the resolution of problems with respect to natural science, science and technology, people, society, and culture, as well as the position of your research.</p> <p>(2) Describe what types of transferable skills* you intend to acquire in this program and why and how you intend to acquire them.</p> <p>Transferable skills in this program: skills that can be widely transferred and applied, such as originality, free thinking, a challenging spirit, the ability to identify research needs, research management skills, interactive skills, and leadership skills that attract people, which are necessary for innovative human resources.</p> <p>(3) Describe your thoughts on your career path after completing the doctoral course and how you would like to be active and contribute to society.</p> <p><u>If you are applying for Support for Pioneering Research Initiated by the Next Generation program as your second or third choice, please include the following items:</u></p> <p>(4) Describe how you think the results of your research will lead to one or more of the following: (1) solving social problems, (2) creating a leading research field, or (3) creating a vision for the future society. In addition, describe what type of complex knowledge you think is necessary to achieve these goals and how you plan to acquire it.</p>		
Attention.	Do not change this page and start your essay from page 2. Do not add sheets or change the format. You may use figures and tables. When citing literature, etc., the source should be clearly indicated. When describing achievements, etc., in the text, your name should not be identified; just “Applicant” should be used.	

