

# 2022 Nagoya University Interdisciplinary Frontier Fellowship Application Guidelines (2nd Recruitment)

## ○ Qualified Enrollment Year

Doctoral Course	Scheduled entrants in April 2022 Scheduled entrants in October 2022
Doctoral Course in Medicine	Scheduled second-year student in April 2022 Scheduled second-year student in October 2022

\*For details other than the above, refer to 4. Application Qualifications.

September 2021

2022 Nagoya University Interdisciplinary Frontier Fellowship Application Guidelines  
(2nd Recruitment)

1. Purpose

Nagoya University (hereinafter referred to as “the University”) aims to foster doctoral human resources who can **advance the interdisciplinary frontier, create future knowledge, implement it in society, and play an active role globally.**

The Nagoya University Interdisciplinary Frontier Fellowship (hereinafter referred to as “the Fellowship”) is an academic system designed to support both the research and the livelihood of students who enroll in the doctoral program of the University in the hope that they will acquire considerable knowledge and outstanding abilities during the three years of the doctorate program and will demonstrate their wide-ranging faculties cultivated through their experience in various fields in society after obtaining their doctoral degree.

Through this system, the University expects that successful doctoral graduates will contribute to the continued deepening of science and technology in Japan, the creation of next-generation science, technology, and innovation, and the construction of a vibrant society.

The University Fellowship Establishment Project for the Creation of Science and Technology Innovation of the Ministry of Education, Culture, Sports, Science and Technology and Nagoya University jointly implement this system.

2. Fields Open to Applications (Four (4) fields)

There are four fields. Each field has its own vision for the human resources it wishes to develop. (See Attached Table 1)

I: Creating the Future of Asia, II: Information and AI, III: Quantum Science, IV: Materials

**[[Points to Note]]**

- Each field accepts the application from the designated graduate schools and majors. (See Attached Table 2.)
- When applying, you can select up to your second choice. However, make sure that your second choice also conforms to the graduate schools and majors for which you can apply in Attached Table 2.

3. Number of applicants to be accepted

Creating the Future of Asia: Approximately 17

Information and AI: Approximately 6

Quantum Science: Approximately 4

Materials: Approximately 1

4. Application Qualifications

Applicants to this fellowship must be persons who meet (1) – (3) below (including applicants from countries outside Japan).

☐ **Doctoral Course—Expected to enroll in April 2022**

☐ **Doctoral Course in Medicine—Scheduled second-year student in April 2022**

- (1) Terms of enrollment  
Individuals who wish to enroll in the Doctoral Course of the University (Individuals enrolled in the first year of the Doctoral Course in Medicine) and who will be enrolled in the Doctoral Course in April 2022 (second year in the case of the Doctoral Course in Medicine) and who will be under 30 years of age as of April 1, 2022 (under 33 years of age for individuals assigned clinical trainings<sup>Note 1</sup> in the Doctoral Course in Medicine).
- (2) An individual who is recommended by an academic advisor at their institution or by a planned academic advisor in the doctoral course
- (3) An individual who does not fall under any of the following at the time of admission to the Doctoral Course (second year in the case of the Doctoral Course in Medicine)
  - (i) Working student<sup>Note 2</sup>
  - (ii) International student receiving scholarships via the Monbukagakusho Scholarship<sup>Note 3</sup>
  - (iii) International student receiving scholarships from their home country<sup>Note 3</sup>
  - (iv) Recipient of the Japan Society for the Promotion of Science's Research Fellowship for Young Scientists<sup>Note 3</sup>

○ <b>Doctoral Course—Expected to enroll in October 2022</b>
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○ <b>Doctoral Course in Medicine—Scheduled second-year student in October 2022</b>
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- (1) Terms of enrollment  
Individuals who wish to enroll in the Doctoral Course of the University (Individuals enrolled in the first year of the Doctoral Course in Medicine) and who will be enrolled in the first year of the Doctoral Course of the University in October 2022 (second year in the case of the Doctoral Course in Medicine) and who will be under 30 years of age as of April 1, 2022 (under 33 years of age for individuals assigned clinical trainings<sup>Note 1</sup> in the Doctoral Course in Medicine).
  - (2) An individual who is recommended by an academic advisor at their institution or by a planned academic advisor in the doctoral course
  - (3) An individual who does not fall under any of the following at the time of admission to the Doctoral Course (second year in the case of the Doctoral Course in Medicine)
    - (i) Working student<sup>Note 2</sup>
    - (ii) International student receiving scholarships via the Monbukagakusho Scholarship<sup>Note 3</sup>
    - (iii) International student receiving scholarships from their home country<sup>Note 3</sup>
    - (iv) Recipient of the Japan Society for the Promotion of Science's Research Fellowship for Young Scientists<sup>Note 3</sup>
- Note 1: Training prescribed in Article 16 (2) of the Medical Practitioners' Act
  - Note 2: MEXT defines “working member of society” as shown in the columned table below.
  - Note 3: Individual who plans to apply to the (ii)–(iv) system may apply to this system. However, if the individual does not meet the application requirements when they start receiving this Fellowship grant, they will not be eligible to become a Nagoya University Interdisciplinary Frontier Fellow (hereinafter referred to as “Fellow”) or a prospective Fellow

Individuals included in the “enrolled doctoral students” in the Basic Research on Schools who are treated as “working members of society”

Below are several examples.

- (i) An individual who holds a job (an individual who is currently engaged in work for which he or she earns salary, wages, remuneration, or other ordinary income.)
- (ii) An individual who has already retired from work for which he or she earns salary, wages, remuneration, or other ordinary income
- (iii) A stay-at-home mother or stay-at-home father.

[Note] The following cases are considered working students.

- An individual who has graduated from an undergraduate or master’s program, has become a working member of society once, and has newly enrolled or been admitted to a doctoral course.
- Those who have experience as a working member of society during the training period after graduating from medical school. However, clinical training periods stipulated in the Medical Practitioners’ Act or the Dental Practitioners Act are not included in this training period.

5. Fellowship Grant (hereinafter referred to as the “Grant”)

Fellows receive the following financial grants:

- (1) Research support grant: ¥180,000 per month

In principle, the research support grant is transferred to the individual’s account by the end of each month. As this income is classified as miscellaneous income, a tax return <sup>Note</sup> is required every year.

Note: International students may not be required to file a tax return by following tax treaty procedures.

- (2) Research expenses ¥250,000 annually

The University manages research expenses. Expenditures will be made in accordance with the University’s accounting procedures and each Fellow’s research plan.

6. Pay period

The grant payment period is three years. (However, the payment period may be shortened if the payment suspension/stoppage requirement is met.)

7. Application documents

- (1) Nagoya University Interdisciplinary Frontier Fellowship Application (Form 1)
- (2) Research Outline (Form 2)
- (3) Academic Advisor Recommendation (Form 3)
- (4) Application Outline Video (For details, see the attached “About Creating a Video”)

8. Application process (For details, refer to separate manual for how to apply.)

Applications may be completed using the following process.

- (1) Registration via the pre-application registration form (registration of applicant information only. Application documents are not submitted at this stage.)

**Pre-application registration period:**

**Tuesday, September 7 to Monday, September 13, 2021 at 13:00 PM**

- The URL for the pre-application registration form is listed below.

URL: [https://dec.nagoya-u.ac.jp/request/application\\_f\\_form2](https://dec.nagoya-u.ac.jp/request/application_f_form2)

- Fill in the necessary information using the pre-application registration form and apply. Note that we will not accept applications received after the application period under any circumstances.

**Points to Note**

- The pre-application registration form is a **required step** to receive an application number, so be sure to complete it by the deadline.
- The application number issued at the time of pre-application registration will be used in the subsequent screening procedure, so be sure to write it down.
- The pre-registration procedure is the same for internal applicants (those who are enrolled at Nagoya University and have been issued a Nagoya University ID) and external applicants (those other than internal applicants).

(2) Submitting your application

**Submission period:**

**Wednesday, September 15 to Tuesday, September 21, 2021 at 13:00 PM**

**Submission Documents and Submission Methods**

Document Name	Submitted by	File Name	Submission Method		Remarks
			Internal Applicant	External Applicant	
<b>Form 1:</b> Nagoya University Frontier Fellowship Application	Applicant	Form 1 (application number)	Submit using NUCT	Submit as e-mail attachment Submit to: nu-fellowship2@adm.nagoya-u.ac.jp	Submit Forms 1 and 2 as a single PDF file
<b>Form 2:</b> Research Outline					
<b>Form 3:</b> Academic Advisor Recommendation	Person Who Prepared the Recommendation	Form 3 (application number)	Submit using the Form 3 submission form: <a href="https://dec.nagoya-u.ac.jp/inquiry/fellowship_form3">https://dec.nagoya-u.ac.jp/inquiry/fellowship_form3</a>		Submit as a PDF file
<b>Application Outline Video</b>	Applicant	mov (application number)	Submit by NUSS		See the attachment for how to create a video
			*Check NUCT for the submission URL	*Check email for the submission URL	

### <Forms 1 and 2>

**Submission method:** - **The applicant himself/herself** should submit the forms by the following method.

- When submitting, make Forms 1 and 2 into a single PDF file and **name it form 1 (application number)**.

- (i) Internal applicants (Individuals enrolled at Nagoya University who have been issued a Nagoya University ID)

Submit your application using Nagoya University Collaboration and Course Tools (NUCT)

- For those applying according to (1), the site information from your application fields will show on NUCT on the first day of the application period if you registered before the application period, or 1–2 days after registration if you made a pre-application on or after the first day of the application period (or the next weekday if you registered on a Saturday, Sunday, or national holiday.) To apply, you are asked to download the application documents from the Doctoral Education Consortium website, prepare the application documents, use the project submission function of the NUCT application field site, and submit your application within the above submission period.

- (ii) External applicants (Individuals not considered internal applicants)

Sending applications by email

- After applying according to (1), download the application documents from the Doctoral Education Consortium website, prepare the application documents, and submit your application to the email address below within the above submission period. (Note that the time it is received is determined by when it is received by our email server)
- After submitting your application, you will receive a confirmation email 1–2 days after your application has been received (or the next weekday if you registered on a Saturday, Sunday, or national holiday.) If you have not received a confirmation email, please contact the following email address.
  - Send to [nu-fellowship2@adm.nagoya-u.ac.jp](mailto:nu-fellowship2@adm.nagoya-u.ac.jp)

Note that it is not <nu-fellowship>.

### <Form 3>

**Submission method:** - **The person who prepared the recommendation should directly submit the form by the following method.**

- When submitting, make Form 3 into a PDF file and **name it with the applicant's application number**.

Submit using the Form 3 submission form:

Submit using [https://dec.nagoya-u.ac.jp/inquiry/fellowship\\_form3](https://dec.nagoya-u.ac.jp/inquiry/fellowship_form3)

- Download the application documents from the Doctoral Education Consortium website, fill out the Form 3 submission form, and submit Form 3 by uploading it within the above submission period.

#### <Application Outline Video>

**Contents of the video:** - The applicant prepares an Application OutlineVideo that includes ① and ② below (The video is no more than 3minutes and does not exceed 30Mb file size. Include a four-slides presentation. The first page is the cover page.

- ① Outline of your research and research plan  
(The value and positioning of your research, what you will actually do, and your plan for the next three years)
- ② A targeted image of the researcher and your activities to achieve it

**Submission method:** - The applicant should submit by the following method.

- When submitting a video, use mp4 format and **name the file as mov (application number)**.
- Refer to the attached “About Creating a Video” for the content, format, and method of creating a video.
- The "Application Outline Video" will also be used as the "Applicant's Briefing" at the interview.
- Submit your created video by NUSS (Nagoya University Storage Service). After pre-application registration, confirm the submission URL on the NUCT dashboard if you are an internal applicant or by e-mail from the secretariat if you are an external applicant.

## 9. Screening and results

### (1) Screening

We will conduct a 1st screening (document screening) and a 2nd screening (interview screening). However, some applicants who pass the 1st screening may, depending on their 1st screening results, be exempted from the 2nd screening and be accepted based only on the 1st screening. The 2nd screening (interview screening) is conducted for those who pass the 1st screening (document screening), except for those who are exempted from the 2nd screening.

The screening will basically be conducted based on your first choice field, although this may be changed to your second choice field, depending on the state of applications. Interviews may also be conducted for selection in a field beyond applicants' second choice.

#### Points to Note

- The 2nd screening (interview screening) will be held on the following dates and times. Note that we cannot accept any requests regarding dates and times.
- Interviewees will be notified in the same manner as in “(3) Notification of results”, “Notification methods”.

**Interview screening dates:****For first choice field: Thursday, October 21 at 9:00 - 18:00****For second choice field: Tuesday, October 26 at 9:00 - 18:00**

-Applicants will be notified about 2-3 days prior to the interview date.

(2) Screening policy

Evaluation items are as follows and will be evaluated based on individual factors. Refer to the Attached Table 1 for the Screening criteria for each field.

- (i) Applicants must understand the purpose of the fellowship program, proactively participate in the program, and be willing to interact with students and researchers from other fields.
- (ii) Applicants must be sufficiently expected to become capable doctoral human resources in the future.
- (iii) Applicants must bring unique research methods, and research targets must be set appropriately for three years.
- (iv) Applicants must be clearly aware of their career path after obtaining their doctorate and demonstrate the ability to cultivate the capabilities needed over the three years.

(3) Notification of results

Successful candidates will be notified as follows. Only successful candidates will be notified.

**Notification date: Thursday, November 18**

○ Notification methods

- Internal applicants (Individuals enrolled at Nagoya University who have been issued a Nagoya University ID)
- Notification via the Nagoya University Portal (NUPortal: <a href="https://portal.nagoya-u.ac.jp/">https://portal.nagoya-u.ac.jp/</a> ).
- External applicants (Individuals not considered internal applicants)
- Notification via the email address registered at the time of application.

10. Obligations of Fellows

As recipients of financial grants, Fellows are subject to the following obligations.

- (1) Submission of a report on research for the year and a research activity plan for the following year and thereafter.
- (2) Meetings with their academic advisor.
- (3) Application to the Japan Society for the Promotion of Science's Research Fellowship for Young Scientists
- (4) Participation in lectures, training, seminars, etc. certified by subject fields
- (5) Training on the use of public funds and participation in research ethics education designated by the University.
- (6) Registration of data on the implementation status of obligations in designated systems.
- (7) Cooperation with inquiries after the fellowship period.



(8) Other matters required by the University.

11. Suspension of grant payments

Grant payments will be suspended if any of the following apply.

- (1) Withdrawal, expulsion, or transfer from the University.
- (2) Suspension from the University.
- (3) Poor academic performance.
- (4) Failure to report research results for each year.
- (5) Existence of a reason research grant payments are deemed no longer necessary
- (6) Application qualification (3) (i)–(iv) is met
- (7) Existence of fact(s) other than (1)–(6) that are inappropriate for a recipient

12. Returning grant funds

If there are grant funds that were received despite the individual being ineligible due to the suspension or stoppage of payment, the portion of the funds that were paid that the individual is not eligible to receive must be returned to the University.

13. Obligation regarding cooperation with inquiries after the fellowship period

This system is operated with assistance from the Ministry of Education, Culture, Sports, Science and Technology's University Fellowship Establishment Project for the Creation of Science and Technology Innovation. Therefore, surveys may be conducted on participants' current employment status and so on in the 10 years following the end of this program.

Previous participants may be contacted even after the fellowship period has ended. If your address, place of employment, email address, and so on has changed, be sure to contact the University's point of contact (Doctoral Education Consortium).

Inquiries Regarding the Frontier Fellowship

Education Planning Division,

Education & International Affairs Department

Doctoral Education Consortium

Inquiry Form

<https://dec.nagoya-u.ac.jp/inquiry/top>



Attached Table 1

		Creating the Future of Asia		Information and AI		Quantum Science		Materials		
The objectives of this fellowship and image of researchers to be fostered		The fellowship will foster doctoral experts who will create future knowledge, implement it in society, and play an active role globally. This fellowship will provide opportunities and programs related to research and education in the interdisciplinary frontier with students who aim to coexist with Asian countries, contribute to SDGs, and build a prosperous and vibrant society.		The fellowship will foster doctoral experts in the Information and AI field who will create future knowledge, implement it in society, and play an active role globally. These experts will support, lead, and advance mobility field and medical fields of basic medicine, drug discovery, medical care, and precision prevention medicine. The experts will also contribute to a wide range of fields including humanity and social science, physics, mathematical sciences, and agriculture.		The fellowship will foster capable doctoral experts in the Quantum Science field who will play an active role globally. These experts will develop academic research that integrates a broad range of research levels, from mathematics and science that form the theoretical basis of quantum science to the application of quantum devices using semiconductors.		The fellowship will foster doctoral experts in the Materials field who will be the driving force of material innovation in Japan. These experts will acquire research skills to produce innovative products from a comprehensive perspective covering basic theory and application. They will develop an interdisciplinary frontier of materials science with other disciplines such as electrical and electronic engineering, machinery engineering, information, energy, biology, medicine, and agriculture.		
Screening criteria		(1) Applicants must understand the purpose of the fellowship program, proactively participate in the program, and be willing to interact with students and researchers from other fields. (2) Applicants must be sufficiently expected to become capable doctoral human resources in the future. (3) Applicants must bring unique research methods and research topics must be set appropriately for three years. (4) Applicants must be clearly aware of their career path after obtaining their doctorate and demonstrate the ability to cultivate the capabilities needed over the three years.								
		(5) Applicants should be interested in interdisciplinary frontier research and be concerned with Asia-related development such as coexistence with Asian countries.		(5) Applicants should propose and implement research projects that use information and AI technology. The research fields include information and AI, mobility, and such medical fields of basic medicine, pharmaceutical science, medical care, and precision prevention medicine. Humanity and social science, physics, mathematical sciences, and agriculture are additional applicable research fields.		(5) Applicants should intend to participate in academic research that integrates a wide range of levels from basic physics to applied research in the field of quantum science. It is preferred that applicants have experience in the above activities or have participated in related programs.		(5) Applicants should be prepared to participate in academic research that integrates a broad range of research levels, from the basic theory that forms the basis of quantum science to applied research. Applicants should propose an interdisciplinary research project. This fellowship field prefers applicants who have experience related to the research described above or have attended related programs. Interdisciplinary research is highly valued in this program.		
Lectures, training, seminars, etc. common to all fields [Required]		[1] University-sponsored research presentation meeting with invited visitors from outside corporations, etc. (Participation more than once during D1 and D2 years.)								
Lectures, training, seminars, etc., in the subject field [Required]				[1] A course on programming offered by a graduate school or WISE program		[1] University-sponsored research presentations that create cross-departmental collaborative research				
Lectures, training, seminars, etc. approved by the subject field [Required elective] (Fellow point*: FP)		Creating the Future of Asia		Information and AI		Quantum Science		Materials		
		*Students must select one of the following options and obtain at least 30 FPs while enrolled in a graduate school (by the end of the fellowship).		Maximum FP	*Students must select one of the following options and obtain at least 30 FPs while enrolled in a graduate school (by the end of the fellowship).		Maximum FP	*Students must select one of the following options and obtain at least 30 FPs while enrolled in a graduate school (by the end of the fellowship).		Maximum FP
		Maximum FP: While students may obtain more FP points than the maximum FP, only the maximum FP will be counted as the total FP.			Maximum FP: While students may obtain more FP points than the maximum FP, only the maximum FP will be counted as the total FP.			Maximum FP: While students may obtain more FP points than the maximum FP, only the maximum FP will be counted as the total FP.		
		Seminars, etc.	[1] Participation in transferable skills training, language training, career path seminars, interdisciplinary research seminars, graduate student planning seminars, etc.	6FP	[1] Participation in transferable skills training, language training, career path seminars, interdisciplinary research seminars, graduate student planning seminars, etc.	8FP	[1] Participation in transferable skills training, language training, career path seminars, interdisciplinary research seminars, graduate student planning seminars, etc.	6FP	[1] Participation in transferable skills training, language training, career path seminars, interdisciplinary research seminars, graduate student planning seminars, etc.	9FP
		Internships	[2] Internships (internships at companies, international organizations, research institutes, etc., in Japan and overseas)	24FP	[2] Internships (internships at companies, international organizations, research institutes, etc., in Japan and overseas)	24FP	[2] Internships (internships at companies, international organizations, research institutes, etc., in Japan and overseas)	24FP	[2] Internships (internships at companies, international organizations, research institutes, etc., in Japan and overseas)	24FP
		Study abroad, etc.	[3] Research programs abroad (training and short-term study abroad)	8FP	[3] Research programs abroad (training and short-term study abroad)	8FP	[3] Research programs abroad (training and short-term study abroad)	12FP	[3] Research programs abroad (training and short-term study abroad)	12FP
		Research presentations, awards, etc.	[4] Presentations at international conferences and symposiums	6FP	[4] Presentations at international conferences and symposiums Publication in international journals	6FP	[4] Presentations at international conferences and symposiums	6FP	[4] Presentations at international conferences and symposiums Awarded research prizes	6FP
		Student team experiences	[5] Student team projects (graduate student seminar planning, entrepreneurship experiences, participation in business contests, etc.)	8FP	[5] Student team projects (graduate student seminar planning, entrepreneurship experiences, participation in business contests, etc.)	8FP	[5] Student team projects (graduate student seminar planning, entrepreneurship experiences, participation in business contests, etc.)	8FP	[5] Student team projects (graduate student seminar planning, entrepreneurship experiences, participation in business contests, etc.)	8FP
		Joint research, interdisciplinary research, etc.	[6] Joint research and interdisciplinary research (joint application for research funding), participation in industry-academia collaborative courses and designated joint research (conducted in consultation with academic advisors)	24FP	[6] Joint research and interdisciplinary research (joint application for research funding), participation in industry-academia collaborative courses and designated joint research (conducted in consultation with academic advisors)	24FP	[6] Joint research and interdisciplinary research (joint application for research funding), participation in industry-academia collaborative courses and designated joint research (conducted in consultation with academic advisors)	24FP	[6] Joint research and interdisciplinary research (joint application for research funding), participation in industry-academia collaborative courses and designated joint research (conducted in consultation with academic advisors)	24FP
Participation in short-term workshops (training retreats, etc.)	[7] Participation in short-term workshops on identifying social issues, interdisciplinary training, etc.	8FP	[7] Participation in short-term workshops on identifying social issues, interdisciplinary training, etc.	8FP	[7] Participation in short-term workshops on identifying social issues, interdisciplinary training, etc.	12FP	[7] Participation in short-term workshops on identifying social issues, interdisciplinary training, etc.	12FP		

\*The graduate schools, departments, WISE programs, and programs for Leading Graduate Schools offer a variety of programs for graduate students. The Interdisciplinary Frontier Fellowship Implementation Committee grants fellowship points (FP) for university fellowships to lectures, training, seminars, etc. approved by subject fields. Each Fellow is required to obtain 30 FPs or more during their fellowship according to the instructions of the subcommittee in his/her field.

- Details will be provided on the Doctoral Education Consortium website.

\* Please confirm that which area you can apply for. (Simultaneous application in multiple areas is not permitted.)

Category	Graduate School	Department	Innovation for Future Asia area 26 recipients	Information・AI area 26 recipients	Quantum Science area 12 recipients	Materials area 13 recipients
D o c t o r a l  P r o g r a m	Graduate School of Humanities	Department of Humanities	○	○		
	Graduate School of Education and Human Development	Department of Educational Sciences	○	○		
		Department of Psychology and Human Developmental Sciences	○	○		
	Graduate School of Law	Department of the Combined Graduate Program in Law and Political Science	○	○		
		JD Program for Legal Practice (Nagoya University Law School)				
	Graduate School of Economics	Department of Socio-Economic Systems	○	○		
		Department of Industrial Management Systems	○	○		
	Graduate School of Informatics	Department of Mathematical Informatics	○	○	○	
		Department of Complex Systems Science	○	○	○	○
		Department of Social Informatics	○	○		
		Department of Cognitive and Psychological Sciences	○	○		
		Department of Computing and Software Systems	○	○		
		Department of Intelligent Systems	○	○		○
	Graduate School of Science	Division of Particle and Astrophysical Science		○	○	○
		Division of Material Science		○	○	○
		Division of Biological Science		○		○
		International Collaborative Programme in Science between the University of Edinburgh and Nagoya University		○	○	○
	Graduate School of Engineering	Molecular and Macromolecular Chemistry			○	○
		Materials Chemistry			○	○
		Biomolecular Engineering		○	○	○
		Applied Physics		○	○	○
		Materials Physics		○	○	○
		Materials Design Innovation Engineering		○		○
		Materials Process Engineering		○	○	○
		Chemical Systems Engineering		○		○
		Electrical Engineering		○	○	○
		Electronics		○	○	○
		Information and Communication Engineering		○	○	○
		Mechanical Systems Engineering		○	○	○

\* Please confirm that which area you can apply for. (Simultaneous application in multiple areas is not permitted.)

Category	Graduate School	Department	Innovation for Future Asia area 26 recipients	Information・AI area 26 recipients	Quantum Science area 12 recipients	Materials area 13 recipients
		Micro-Nano Mechanical Science and Engineering		○	○	○
		Aerospace Engineering		○	○	○
		Energy Engineering		○	○	○
		Applied Energy		○	○	○
		Civil and Environmental Engineering	○	○		○
	Graduate School of Bioagricultural Sciences	Department of Forest and Environmental Resources Sciences	○	○		○
		Department of Plant Production Sciences	○	○		○
		Department of Animal Sciences	○	○		○
		Department of Applied Biosciences	○	○		○
		International Collaborative Program in Agricultural Science between Nagoya University and Kasetsart University	○			○
		International Collaborative Program in Agricultural Science between Nagoya University and The University of Western Australia	○			○
	Graduate School of International Development	Department of International Development and Cooperation	○	○		
	Graduate School of Mathematics	Division of Mathematics		○	○	
	Graduate School of Environmental Studies	Department of Earth and Environmental Sciences	○	○		○
		Department of Environmental Engineering and Architecture	○	○		○
		Department of Social and Human Environment	○	○		
	Graduate School of Medicine	Department of Comprehensive Healthcare	○	○		
	Graduate School of Pharmaceutical Sciences	Department of Basic Medicinal Sciences		○		○
Doctoral Program of Medical Engineering	Graduate School of Medicine	Department of Integrated Medicine	○	○		
		International Collaborative Program in Comprehensive Medical Science between Nagoya University and University of Adelaide	○	○		
		International Collaborative Program in Comprehensive Medical Science between Nagoya University and Lund University	○	○		
		International Collaborative Program in Comprehensive Medical Science between Nagoya University and University of Freiburg	○	○		

# 2022 Nagoya University Interdisciplinary Frontier Fellowship Application [Form 1]

- Confirm that your graduate school/major fits the application field and that the fellowship announcement includes your year of enrollment in the doctoral program.

Courses taking applications (As of April 2022)

Category	Year	Age (As of April 1, 2022)
Doctoral Course	Scheduled entrants in April and October 2022	Under 30 years old (Under 33 years old for individuals enrolled in a Medical Course for which clinical training was assigned)
Doctoral Course in Medicine	Individuals who will be second-year students in April and October 2022	

<b>Application field [First choice]</b> <small>*See the applicable graduate schools and majors on the attached sheet.</small>	Please check the first choice application field <input type="checkbox"/> Creating the Future of Asia <input type="checkbox"/> Information and AI <input type="checkbox"/> Quantum Science <input type="checkbox"/> Materials		
<b>Application field [Second choice]</b> <small>*See the applicable graduate schools and majors on the attached sheet. *Optional</small>	Please check the second choice application field (optional) <input type="checkbox"/> Creating the Future of Asia <input type="checkbox"/> Information and AI <input type="checkbox"/> Quantum Science <input type="checkbox"/> Materials		
<b>Application Number</b> <small>*10 digits (1 alphabetic character + 9 numeric digits)</small>			
<b>Scheduled year of enrollment</b> <small>(Year of enrollment for the Doctoral Course in Medicine)</small>	Please check the corresponding scheduled year of enrollment (year of enrollment for the Doctoral Course in Medicine) Doctoral Course <input type="checkbox"/> April 2022 enrollment/advancement <input type="checkbox"/> October 2022 enrollment/advancement Doctoral Course in Medicine <input type="checkbox"/> April 2021 enrollment/advancement <input type="checkbox"/> October 2021 enrollment/advancement		
<b>Name</b>		Age	
		Date of Birth	YYYY/MM/DD
<b>Affiliation</b> <small>(For applicants from other universities, also include the name of the university)</small>	University	Graduate School	Major
<b>Year in School (As of October 1, 2021)</b>	<input type="checkbox"/> Pre-Doctoral Master's Course <input type="checkbox"/> Doctoral Course in Medicine <input type="checkbox"/> Master's Course <input type="checkbox"/> Other (      )		
<b>Student Number (Nagoya University students only)</b>	*Please fill in your Student Number at the time of application.		
<b>Enrollment Category (As of April 2022)</b>	<input type="checkbox"/> Enrolled <input type="checkbox"/> Leave of absence <input type="checkbox"/> Study abroad (      Year      Month) <= If you chose to take a leave of absence or study abroad, please enter the date you expect to return to school by.		
<b>Contact Information</b>	Mobile phone number		
	Email address		
<b>Students enrolled in the WISE Program, the Program for Leading Graduate Schools, or other programs (Only applicable individuals)</b>	If you are or were a student enrolled in the WISE Program, the Program for Leading Graduate Schools, or other programs, check the appropriate box. <input type="radio"/> WISE Program <input type="checkbox"/> GTR <input type="checkbox"/> DII <input type="checkbox"/> CIBoG <input type="checkbox"/> TMI <input type="radio"/> Leading Graduate School Programs <input type="checkbox"/> Space Exploration <input type="checkbox"/> PhD Professional <input type="checkbox"/> Real-world Data Circulation <input type="checkbox"/> Well-Being <input type="radio"/> Other program (      ) Enter the program name.		
<b>Name of Graduate School and Major in Which You Will Enroll (Not necessary if Doctoral Course in Medicine)</b>	Graduate School	Major	

**\*Please fill in the same content as the application pre-registration.**

## 2022 Nagoya University Interdisciplinary Frontier Fellowship Research Outline [Form 2-A]

Some members of the review panel are professors from different fields. Please use sentences and expressions that non-specialists can understand.

[Title of the Research Project]
[Research Proposal] The main text should give descriptions, in concrete and clear terms. Diagrams and figures may be included. Descriptions should be given within <b>one (1) page</b> . Forms cannot be changed or added (Same is true for the forms below)) (1) Research development With regard to the research to be conducted in the Doctoral Course (Doctoral Course in Medicine) for three years, descriptions should be given of applicant's research history leading to the conception of this research proposal and its preparation status, and domestic and overseas trends related to the proposed research and the positioning of this research in the relevant field.

## 2022 Nagoya University Interdisciplinary Frontier Fellowship Research Outline [Form 2-B]

[Research Proposal] (The main text should give descriptions, in concrete and clear terms. Diagrams and figures may be included. Descriptions should be given within **two (2) pages**. Forms cannot be changed or added (Same is true for the forms below))

(2) Research objectives and details

- [1] Describe the research objectives, research methods, and details of the research to be conducted.
- [2] Specify what will be elucidated, and to what extent and how will it be pursued
- [3] Describe the scientific significance and originality of the research project (Comparison with the preceding research, the impact of the proposed research at its completing, and future prospectus)
- [4] Clarify the role of the applicant in relation to the research activities of the laboratory to which he/she will belong.
- [5] If you plan to engage in research at a different research institution (including research institutions in foreign countries) during the period of your research proposal, describe the research with the institution.

## 2022 Nagoya University Interdisciplinary Frontier Fellowship Research Outline [Form 2-C]

[Applicant's Self-analysis of the Ability to Conduct the Research] \*There is no limit to the number of words in each item.

However, descriptions should be given within **one (1) page**.

Specify your own strength(s) in this field, including the research plan described in this application, based on your experience in past research activities. In particular, the Nagoya University Interdisciplinary Frontier Fellowship aims to cultivate doctoral human resources who will play an active role on the global stage by opening up new Interdisciplinary frontiers and taking responsibility for the continuous creation and implementation of future knowledge in society. Describe any abilities and so on gained through past experiences in activities regarding this purpose.



## 2022 Nagoya University Interdisciplinary Frontier Fellowship Research Outline [Form 2-D]

[Your ideal image of a researcher, etc.] \*There is no limit to the number of words in each item. However, descriptions should be given within **one (1) page**.

The Nagoya University Interdisciplinary Frontier Fellowship aims to foster doctoral human resources who will play an active role on the global stage by opening up new interdisciplinary frontiers and taking responsibility for the continuous creation and implementation of future knowledge in society. In light of this purpose, describe (1) "Your ideal image of a researcher" and "Your post-doctoral career path" as well as (2) "Factors you consider necessary to realize your career path" and "Planned activities and experiences." Refer to the "Objectives and image of researchers to be trained" and "Designated lectures, training, seminars, etc." in the attached table of the application guidelines.

# Nagoya University Interdisciplinary Frontier Fellowship Academic Advisor Recommendation [Form 3]

Application Number:

Applicant name:

Descriptions should be given within one (1) page. Forms cannot be changed or added.

The Nagoya University Interdisciplinary Frontier Fellowship aims to foster doctoral human resources who will play an active role on the global stage by opening up new interdisciplinary frontiers and taking responsibility for the continuous creation and implementation of future knowledge in society.

Person who prepares the recommendation should have a firm understanding that the applicant will be expected to achieve the objectives of this fellowship in three years and that the applicant will be expected to play an active role in society upon receiving their degree. Planned academic advisers in the Doctoral Course (Doctoral Course in Medicine) or current academic advisors are appropriate recommenders.

Name of the Person Who Prepared the Recommendation	
Recommender's Graduate School and Major Please include the name of the university, if not Nagoya University.	
Relationship with the Applicant	

Strength as a researcher

Please describe your view on the factors considered necessary for the applicant for future activities in society.

## Nagoya University Interdisciplinary Frontier Fellowship Academic Advisor Recommendation [Form 3]

Descriptions should be given within one (1) page.

The “guidance plan” for accepting the applicant, and the “Relationship and expected synergistic effects of the applicant's research” with the research being conducted by the accepted researcher or their laboratory.

(Clarify not only the developmental potential of the applicant's research, but also the expected impact and spillover effect on the research of the accepted researcher (laboratory) by accepting the applicant.)

## Creating a video overview of the application

[Common Instruction to both the Interdisciplinary Frontier Fellowship and the Interdisciplinary Frontier Next Generation Researcher]

Please follow the instructions below to create a video as part of the application materials.

### [Content]

1. Explain both your research content and an outline of your research plan in the application form in a way that someone in a completely different field of expertise can understand.
2. You must include in your explanation the value and positioning of your research, what you will actually do, and your three-year plan.
3. In addition, please briefly mention the following points.
  - In the case of the Fellowship, an image of the target researcher and the activities to be implemented for it.
  - In the case of the Researcher, the purpose of the interdisciplinary research, your activities for that purpose, and activities to become a person who can be active in Japan and overseas

### [Creation Method]

#### 1. **Four or fewer PowerPoint slides**

Slide 1 should include: **Application Number**, Title of Research, Affiliation, Year, Name (Please use the same notation as the application form.)

Slides 2 to 4: The above noted content

2. **Under 3 minutes in length**. Data must not exceed **30 MB in size**. Using elaborate animations or large photos will increase data size. Please keep it simple for the sake of clarity.
3. How you record is up to you. Here are some examples.
  - When recording with face and sound on in PowerPoint's "Record Slide Show," save the video in "mp4" format. (Please refer to the second and subsequent pages for instructions.)
  - When recording with Zoom, or a video camera or smartphone, make sure that PowerPoint slides are clearly visible.
4. The file name should follow the format below: If you cannot comply with this, your submission may not be reviewed.  
**mov (Application Number) For example; mov(A210012345)**

### [Notes]

1. The review panel members may not be teachers of your major field. Avoid using technical terms as much as possible, and replace them, for example, with higher level words to make your explanation understandable to everyone.
2. The video will be used for the following two purposes.
  - (1) To understand the outline of the application written by the applicant. If this video is hard to understand, it will be difficult to understand the application form.
  - (2) **If you pass the document screening, this same video will be used as material for the interview**. Therefore, the interview session will be dedicated solely to questions and answers. You will not recreate a new video for the interview.
3. The review panel will conduct a large number of reviews. The panel may not be able to re-watch videos or take time to read each application carefully. Videos need to convey the main points accurately so that they can be understood in a short time. Embedding several PowerPoints on a single sheet, for example, is too much information and may not be easily understood by the panel.
4. Your voice of explanation should be clear, loud enough, and confident.
5. English speakers may write in English and explain in English. However, since the review panel members are faculty members outside of your field of expertise, you need to explain things in a way that is easy to understand.
6. If these preparation precautions are not followed, your application will not be reviewed.

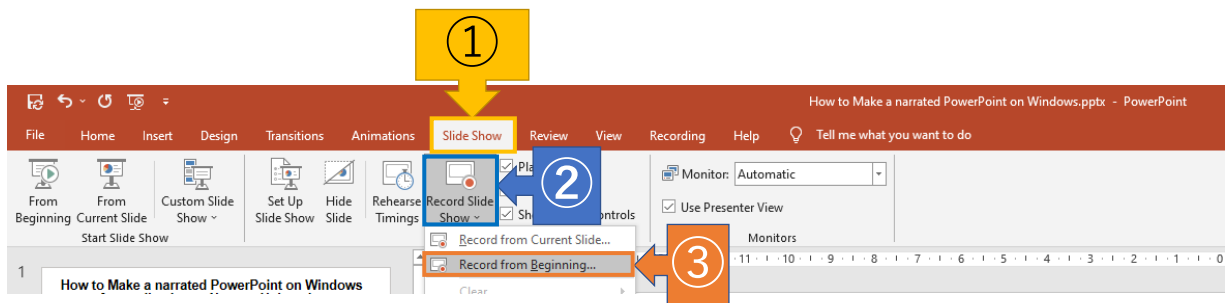
## **How to Make a narrated PowerPoint on Windows**

- This is for applicants to show how to record audio in Microsoft Office PowerPoint 2019.
- Please note PowerPoint version in this guideline is Microsoft Office 2019.
- Please refer to the URL at the end of this guideline.

## **Guideline for making an application presentation**

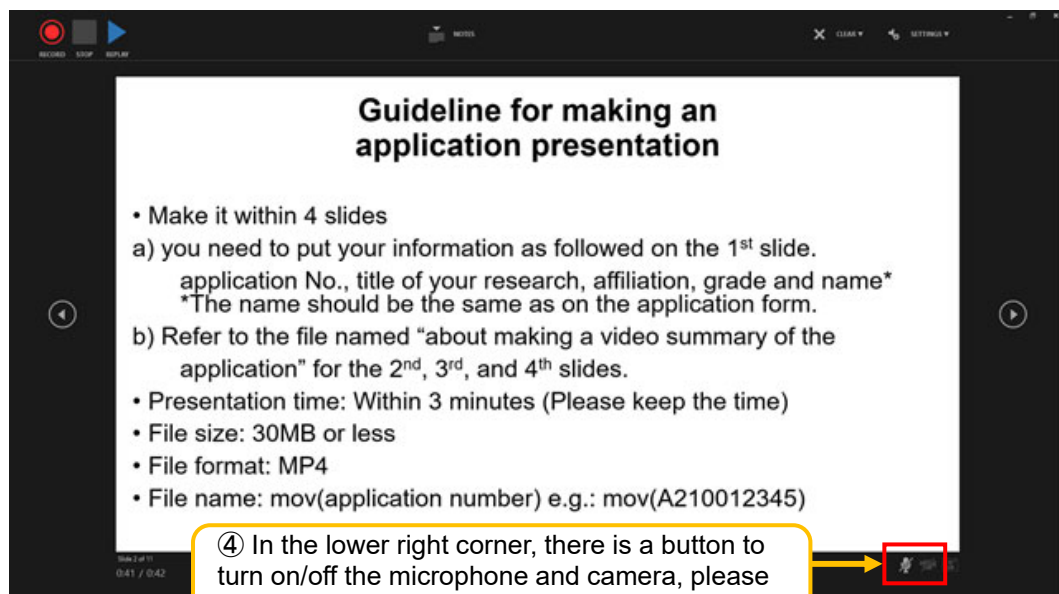
- Make it within 4 slides
  - a) you need to put your information as followed on the 1<sup>st</sup> slide.  
 application No., title of your research, affiliation, grade and name\*  
 \*The name should be the same as on the application form.
  - b) Refer to the file named “about making a video summary of the application” for the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> slides.
- Presentation time: Within 3 minutes (Please keep the time)
- File size: 30MB or less
- File format: MP4
- File name: mov(application number) e.g.: mov(A210012345)

## How to record narration

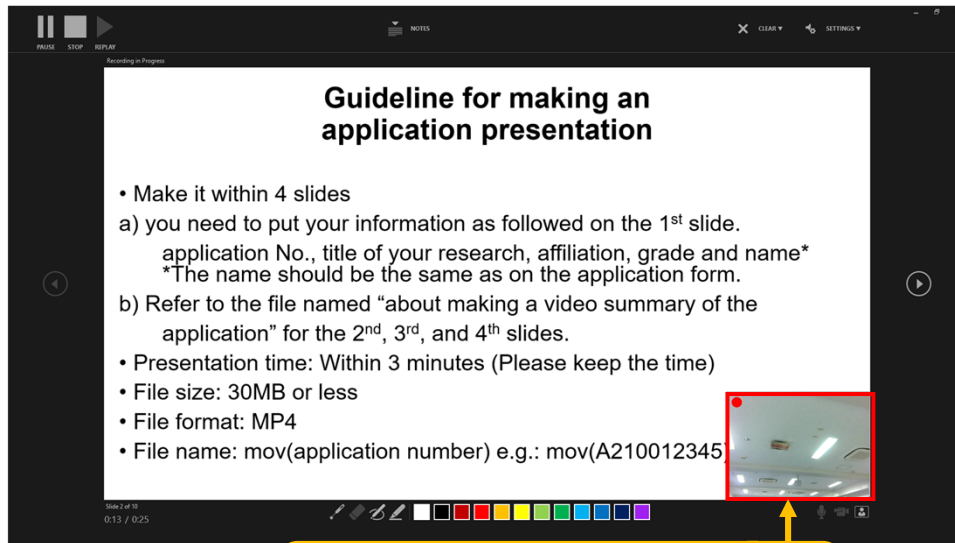


- ① Click the **Slide Show** tab
- ② Click **Record Slide Show**
- ③ Click **Record from Beginning**

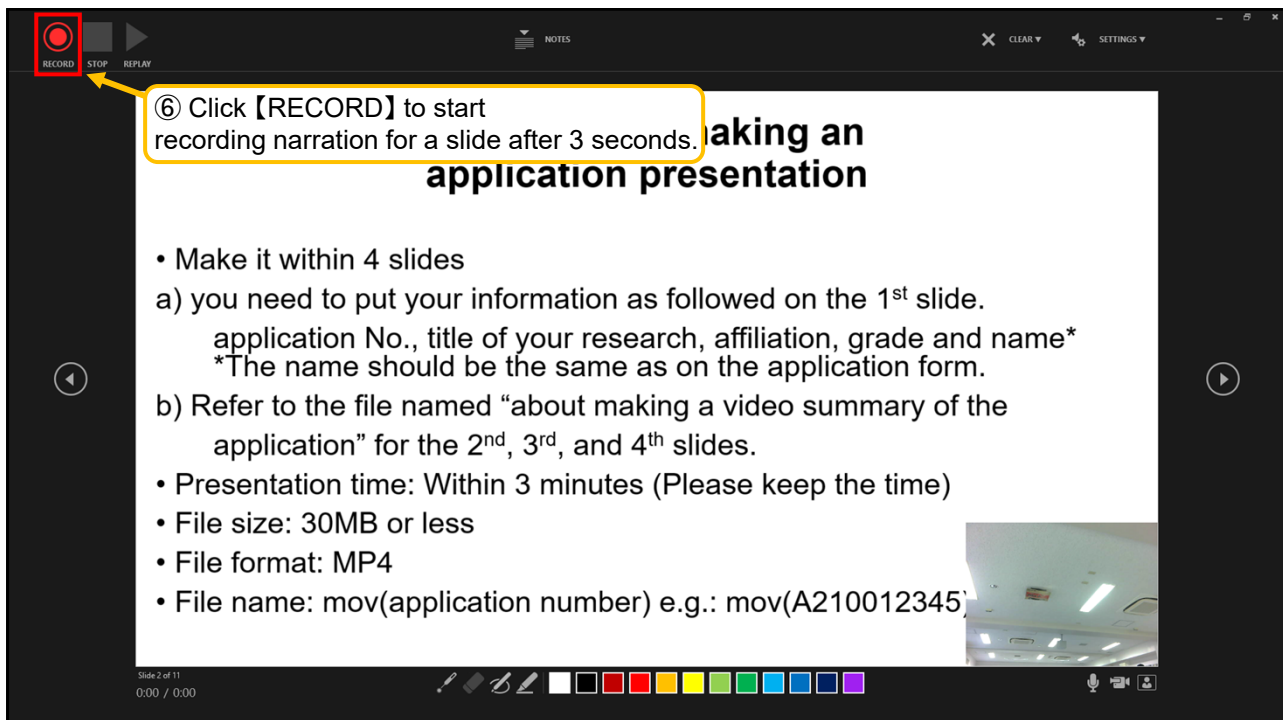
## How to record narration



## How to record narration



⑤ When you turn on the camera, a frame will appear in the lower right corner of the screen, so make sure your face is visible.




⑥ Click **[RECORD]** to start recording narration for a slide after 3 seconds.

⑦ Record your narration into the microphone.  
※The slides can be advanced at any time.

## How to record narration

Click **【PAUSE】** to pause the recording.  
Click **【STOP】** to end the recording.

Click this  (or clicking on slide or enter key) to advance to the next slide.

You can see the page number of the slide and recording time can be checked.

Slide 1 of 12  
0:11 / 0:11

## How to record narration

When you move to the next slide on the last slide, you will see this screen.

⑧ Click here  to finish

End of slide show, click to exit.

Slide 10 of 10  
0:02 / 1:35



## Making videos of slides

① Click 「File」

② Click 「Save As」

③ File name: mov(application number)  
Please save as **mp4**.

File name: mov(application number)  
Save as type: PowerPoint Presentation (\*.pptx)

作咸音:

- PowerPoint Presentation (\*.pptx)
- PowerPoint Macro-Enabled Presentation (\*.pptm)
- PowerPoint 97-2003 Presentation (\*.ppt)
- PDF (\*.pdf)
- XPS Document (\*.xps)
- PowerPoint Template (\*.potx)
- PowerPoint Macro-Enabled Template (\*.potm)
- PowerPoint 97-2003 Template (\*.pot)
- Office Theme (\*.thmx)
- PowerPoint Show (\*.ppsx)
- PowerPoint Macro-Enabled Show (\*.ppsm)
- PowerPoint 97-2003 Show (\*.pps)
- PowerPoint Add-in (\*.ppam)
- PowerPoint 97-2003 Add-in (\*.ppa)
- PowerPoint XML Presentation (\*.xml)
- MPEG-4 Video (\*.mp4)**
- Windows Media Video (\*.wmv)
- GIF Graphics Interchange Format (\*.gif)
- JPEG File Interchange Format (\*.jpg)
- PNG Portable Network Graphics Format (\*.png)
- TIFF Tag Image File Format (\*.tif)
- Device Independent Bitmap (\*.bmp)
- Windows Metafile (\*.wmf)
- Enhanced Windows Metafile (\*.emf)

## Reference : Creating a narrated video in Power Point

<https://support.microsoft.com/en-us/office/record-a-slide-show-with-narration-and-slide-timings-0b9502c6-5f6c-40ae-b1e7-e47d8741161c>

## **For those who don't have PowerPoint**

### **Tokai National Higher Education and Research System Account**

- Nagoya University students can use their Tokai National Higher Education and Research System account to download Microsoft Office 365 desktop applications (**including PowerPoint**).
- For more information on how to use your organization account, please see below URL.

<https://translate.google.com/translate?sl=ja&tl=en&u=https://icts.nagoya-u.ac.jp/ja/services/thersac/>

- Please note that the web version of PowerPoint that can be used with the old account (account with a university-wide email address) has limited functionality and cannot be used to create videos.

**If you have any questions about this account, please contact us at the following URL.**

<https://translate.google.com/translate?sl=ja&tl=en&u=https://thersac.icts.nagoya-u.ac.jp/hc/ja>

## Nagoya University Interdisciplinary Frontier Fellowship Application Checklist

Use this checklist to ensure that you have prepared your application in line with the Interdisciplinary Frontier Fellowship Application Manual.

Check that all of the items in the application documents have been completed correctly before submitting your application.

You **do not need to submit** this checklist.

[Form1-2]

Item	What to Check	Checked
Footer	Does your application number appear <b>at bottom right</b> of all pages?	
Page number	Does the page number appear <b>at bottom center</b> of all pages?	
Number of pages	Is each of the forms within the specified number of pages for that form? Form 2-A : 1 page, Form 2-B : 1~2 page Form 2-C : 1 page, Form 2-D : 1 page	
Number of pages	Is the number of pages in the document as per the manual? 2021 applications: Up to 6 pages 2022 applications: Up to 6 pages	
Editing of forms	Are the borders and tables in the forms unchanged?	
Editing of forms	Are the titles and explanations of each item unchanged or deleted?	
Missing information	Have all fields been entered?	
Saved format	Have Forms 1 and 2(A~D) been combined into a single file and saved in PDF format?	
File name	Is the file name form1(application number)? Creating the Future of Asia: <b>A+ 9 numeric digits</b> Information and AI: <b>I+ 9 numeric digits</b> Quantum Science: <b>Q+ 9 numeric digits</b> Materials: <b>M+ 9 numeric digits</b>	

[Form3]

Item	What to Check	Checked
Footer	Does your application number appear <b>at bottom right</b> of all pages?	
Page number	Does the page number appear <b>at bottom center</b> of all pages?	
Number of pages	Is each of the forms within the specified number of pages for that form?	
Number of pages	Is the number of pages in the document as per the manual?	
Editing of forms	Are the borders and tables in the forms unchanged?	
Editing of forms	Are the titles and explanations of each item unchanged or deleted?	
Missing information	Have all fields been entered?	
Saved format	Is the file in PDF format?	
File name	Is the file name form3(application number)?	

【Application Overview Video】

Item	What to Check	Checked
Page number	Is the Power Point no more than 4 slides?	
Presentation time	Is it less than 3 minutes?	
File size	Is it less than 30MB?	
File format	Is the file in mp4 format?	
File name	Is the file name mov(application number)? e.g. : mov (A210012345)	