

Japan–Singapore Joint Call for Proposals 2025 in the Field of “Quantum”

Information Briefing



Call Information

□ Japan side

<https://www.jst.go.jp/aspire/nexus/koubo/country/singapore.html>

Search

NEXUS 日 ASEAN 科学技術・イノベーション協働連携事業
Networked Exchange, United Strength for Stronger Partnerships between Japan and ASEAN

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Japan Science and Technology Agency JP

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About Applications Projects Events & Achievements

Co-creating innovations and building a sustainable research ecosystem with ASEAN member states

NEXUS

Call Info

International Joint Research Program

Japan—Malaysia joint call for proposals FY2025 in the field of “Green Technology”

Deadline
Friday, June 27, 2025, at noon, Japan time

Japan—Singapore joint call for proposals FY2025 in the field of “Quantum”

Deadline
Wednesday, July 30, 2025 at 1 pm, Japan time

□ Singapore side

<https://www.a-star.edu.sg/Research/funding-opportunities/japan-singapore-joint-call-2025>

Agency for Science, Technology and Research SINGAPORE

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Directory of Researchers

Funding Opportunities

Research Focus

Research Quality Excellence

Biomedical Research Council

Science and Engineering Research Council

Our People +

FUNDING OPPORTUNITIES

HOW TO APPLY

Please refer to [iGrants](#) for regular updates on grants call launches or refer to the submission details of the funding schemes under the respective domains listed below.







ONGOING GRANT CALLS

Grant Call Name	Opening Date	Closing Date
Japan-Singapore Joint Call for Proposals on Quantum 2025	2 Jun 2025	30 Jul 2025
MTC - Investigator Research Grant (IRG) / Young Investigator Research Grant (YIRG)	5 May 2025	16 Jun 2025
2025 A*STAR-DFG Joint Grant Call on Sustainable Chemistry	17 Mar 2025	18 Jun 2025
Industry Alignment Fund - Pre-Positioning Programme (IAF-PP)	3 Jan 2024	-
Industry Alignment Fund - Industry Collaboration Projects (IAF-ICP)	1 Apr 2021	-
MTC Programmatic Funding Initiative	1 Apr 2021	-

Guidelines and Application Forms

❑ Japan side

Application Guidelines and Forms

	File
Application guidelines	 PDF
Application guidelines (appendix for Japan-side PIs)	 PDF
Joint application form (proposal)	 Word
Japanese application form (appendix for Japan-side PIs)	 Word
e-Rad manual (in Japanese)	 PDF
FAQ (in Japanese)	 PDF

❑ Singapore side

APPLICATION MATERIALS

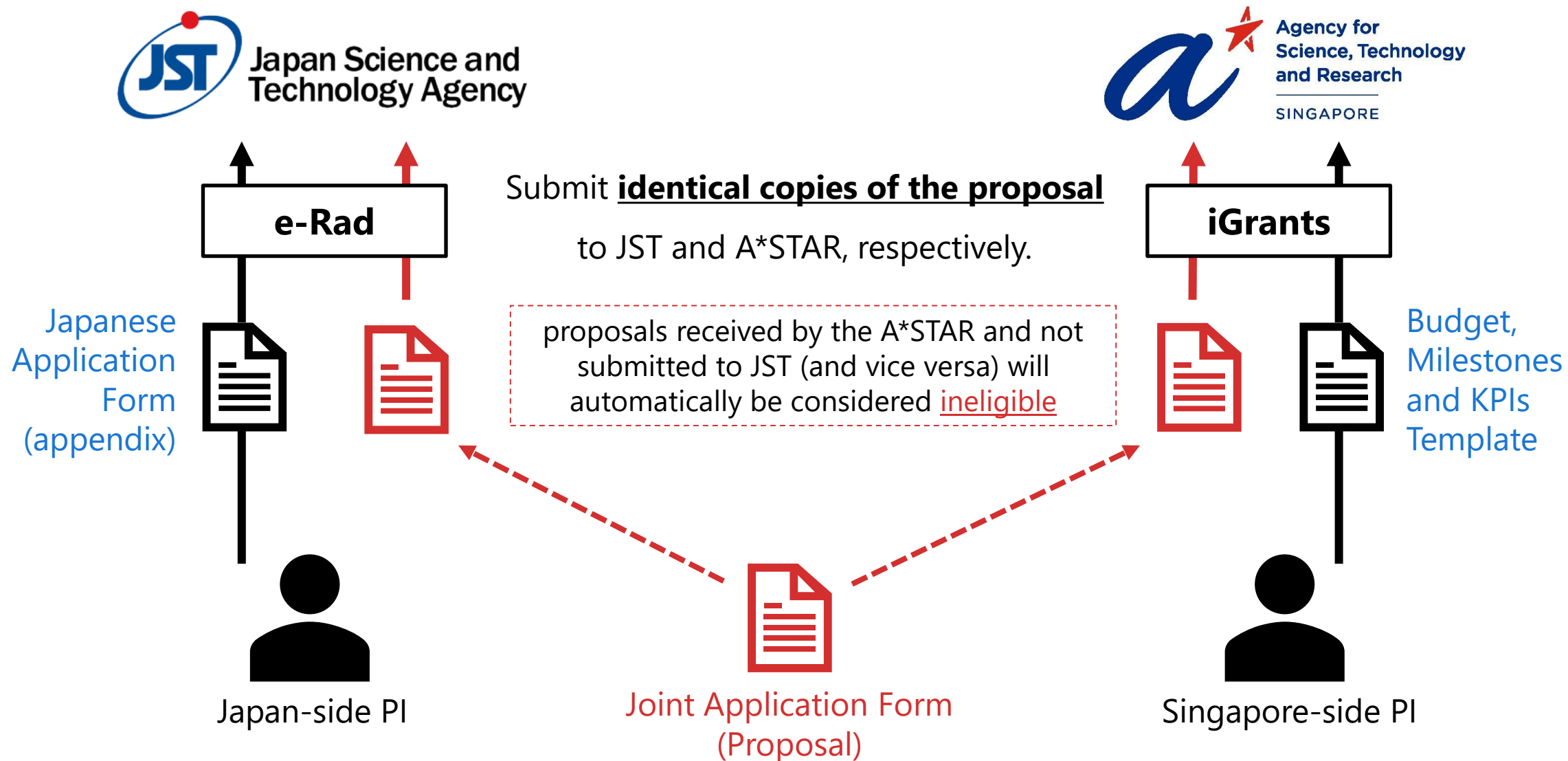
- » [Grant Call Guidelines for the Japan-Singapore Joint Call 2025](#)
- » [Application Form for the Japan-Singapore Joint Call 2025](#)
- » [Budget, Milestones and KPIs Template \(for Singapore-based applicants only\)](#)
- » [A*STAR Terms and Conditions 2020](#)
- » [A*STAR Guidelines 2020](#)
- » [Milestone & Benchmark Setting Guidelines](#)

same

same

There are unified “Application Guidelines” and “Joint Application Form.”
Also note that, there are Japan- and Singapore-specific guidelines, form, and so on.

Abstract of the Application System



Call Schedule

Event	Date
Deadline of Submission	Wednesday, July 30 at <u>1 PM (JST) / 12 pm (SGT)</u> *the same timing
Selection Results Announcement	December 2025 to January 2026 (tentative)
Expected Start of Granted Projects	April 2026

Call Summary

	Japan side	Singapore side
Duration	3 years (36 months): Apr 2026 – Mar 2029 <u>*PIs are expected to lead the proposed research throughout this period.</u>	
Number of Granted Projects	Up to 10 projects (depending on the number of applications received)	
Funding per Project	Up to 30 million yen (+ indirect expenses)	Up to 350,000 Singapore dollars (incl. indirect expenses)

Research Field and Subtopics

Quantum - Research into fundamental quantum sciences and/or cutting-edge quantum technologies with tangible industry

1. Quantum computers and quantum simulations

incl. quantum-classical hybrid solutions, quantum software, and quantum computing

2. Quantum info-communications

incl. quantum internet, quantum memory, encrypted communication, and quantum information theory

3. Quantum sensing

incl. solid-state quantum sensors and quantum optical sensors

Summary of Research Project

Proposal Title (in English):	Select the topics you propose
Subtopics (Check the boxes the project aligns. Multiple check is allowed.)	<input type="checkbox"/> <u>Quantum computers and quantum simulations</u> (inc. quantum-classical hybrid solutions, quantum software, and quantum computing) <input type="checkbox"/> <u>Quantum info-communications</u> (inc. quantum internet, quantum memory, encrypted communication, and quantum information theory) <input type="checkbox"/> <u>Quantum sensing</u> (inc. solid-state quantum sensors and quantum optical sensors) <input type="checkbox"/> Others ()


Criteria for Evaluating Proposals

Criteria	Description
Capability of PIs	Research leaders should be able to lead and take responsibility for the entire team strongly. A sufficient collaborative system should be planned that can contribute greatly to the achievement of the research objectives as leaders.
Expected scientific results	The expected achievements from the proposed research should be eminent, creative and at an internationally recognized standard.
Expected economic and social impact	The expected outcomes from the proposed research should attempt to produce a significant impact on the development of future science and technology or to create innovative technological seeds that can contribute to the creation of new industries in the future.
Synergy effects of international collaboration	<ul style="list-style-type: none">• The expected achievements from the proposed research should be produced through essential collaborative research rather than a combination of individual research projects.• The exchange plan is clearly planned, and organic ties are expected to be fostered.
Consistency with the research field of this grant call and feasibility of implementation (given proposed plan, participants, budget, facilities, means of cooperation, etc.)	<ul style="list-style-type: none">• The proposed methodology should be feasible, with well-defined research and exchange milestones from both sides and Key Performance Indicators (KPIs) (from the Singapore side).• Research objectives must be matched to the research field of this grant call. Plans, and deliverables must be clearly described, and technical challenges must be properly addressed.• Teams highlight the novelty of their approaches or methodology based on providing the clues necessary to demonstrate the feasibility of the research concept.

Japan-specific Information

Networked Exchange, United Strength for Stronger Partnerships between Japan and ASEAN (NEXUS)

A **flexible and multi-layered cooperative framework**, leveraged by the long history of science and technology cooperation **between Japan and ASEAN member states**

- ❑ **International Joint Research**  **Japan — Singapore Joint Call on “Quantum”**
 - NEXUS supports international joint research in common priority challenges.
- ❑ **Researchers Exchange/Development**
 - NEXUS promotes the development of young international researchers through supporting personnel exchange. It aims to initiate international joint research and formulate a pool of research talent resources.
- ❑ **Program Office**
 - NEXUS establishes a program office to promote cooperation in science, technology, and innovation, including strengthening the systems and functions of existing research platforms.

Researcher Eligibility


- ❑ **Two identical copies of a proposal must be submitted to both the JST and the A*STAR.**
 - proposals received by the A*STAR and not submitted to JST (and vice versa) will automatically be considered ineligible
- ❑ **Research duration must be 36 months**
 - Duration less than 36 months will be possibly ineligible


Common eligibilities

- ❑ Applicants (PI and Co-PIs) must be affiliated with '**Domestic Japanese research institution**'
 - Applicants and their institution must have accounts of e-Rad system
 - Institution must submit “体制整備等自己評価チェックリスト” via e-Rad
- ❑ PI must complete **a research ethics training program** in advance
- ❑ Two ore more proposal as a PI for the joint call on “Quantum” are not allowed
 - Co-PI is not restricted in this respect
- ❑ Proposals must be submitted via e-Rad

Japan-side eligibilities

Proposals

 Japan Science and Technology Agency

 Agency for Science, Technology and Research (A*STAR)

Joint Call for Proposals on "Quantum"

Joint Application Form
(To be jointly submitted by Japan and Singapore applicants to JST and A*STAR respectively)

Summary of Research Project

Proposal Title (in English):	
Subtopics (Check the boxes the project aligns. Multiple check is allowed.)	<input type="checkbox"/> Quantum computers and quantum simulations (inc. quantum-classical hybrid solutions, quantum software, and quantum computing) <input type="checkbox"/> Quantum info-communications (inc. quantum internet, quantum memory, encrypted communication, and quantum information theory) <input type="checkbox"/> Quantum sensing (inc. solid-state quantum sensors and quantum optical sensors) <input type="checkbox"/> Others ()
Duration of Project (in months):	
Budget Requested:	Japan Research Team Direct Expenses (Indirect Expenses are added in addition to the Direct Expenses.) JPY Singapore Research Team (including 30% Indirect Expenses) SGD

Joint Application Form

日 ASEAN 科学技術・イノベーション協働連携事業 (NEXUS)
日本-シンガポール共同公募「量子」

日本側応募申請書

※青字斜体の注意書きや記載例は提出時に削除してください。

1. 研究課題名

※ e-Read での入力内容や相手側研究代表者の申請登録内容と同一としてください。

日本語:
英語:

2. 参画研究者 (研究代表者、主たる共同研究者、相手側研究代表者)

※ 必要に応じて行の追加/削除をしてください。
※ その他の研究参加者や、相手側の主たる共同研究者の記載は不要です。
※ 相手側研究代表者の日本語表記は、日本側研究代表者が作成のうえ必要に応じて相手側研究代表者へ確認してください。

役割	氏名	所属機関	部署 (学部・研究科等)	部署 2 (学科・専攻等)	役職
研究代表者 (PI)	科学 太郎	科学技術振興大学	科学技術研究科	振興学専攻	准教授
主たる共同研究者 (Co-PI)					
主たる共同研究者 (Co-PI)					
相手側研究代表者 (日本語)	ジョー サイエ ンス	サイエンス大学	テクノロジー研究科		教授
相手側研究代表者 (英語)	Joe SCIENCE	Science University	Department of Technology		Professor

3. 課題説明文

※ 日本語は 1 文、英語は 2 文以内で研究の対象と意義をまとめてください。
日本語: 本研究は、...について...することによって...を目指すものです。
英語:

4. 課題概要

※ 日本語は 350 字以内、英語は 250 words 以内で記載してください。
※ 非専門家でも読解可能な表現としてください。
※ 日本語は以下の記載例に沿った文法とし、英語はできるだけ日本語の対訳文に近づけてください。
※ 採択後のプレスリリースや相手国関係機関との情報共有に使用させていただく可能性があります。

日本語:
本研究は、...を目的とする。具体的には、日本側チームは...を行い、相手側チームは...を行う。両国の研究チームによる共同研究を通して...が期待される。

日本-シンガポール「量子」

Japanese Application Form (appendix)

Japanese notations of:

- Research title
- Participants (PI, Co-PI, and SG-side PI)
- Research abstract

Disclosure of Funds (awarded/submitted)

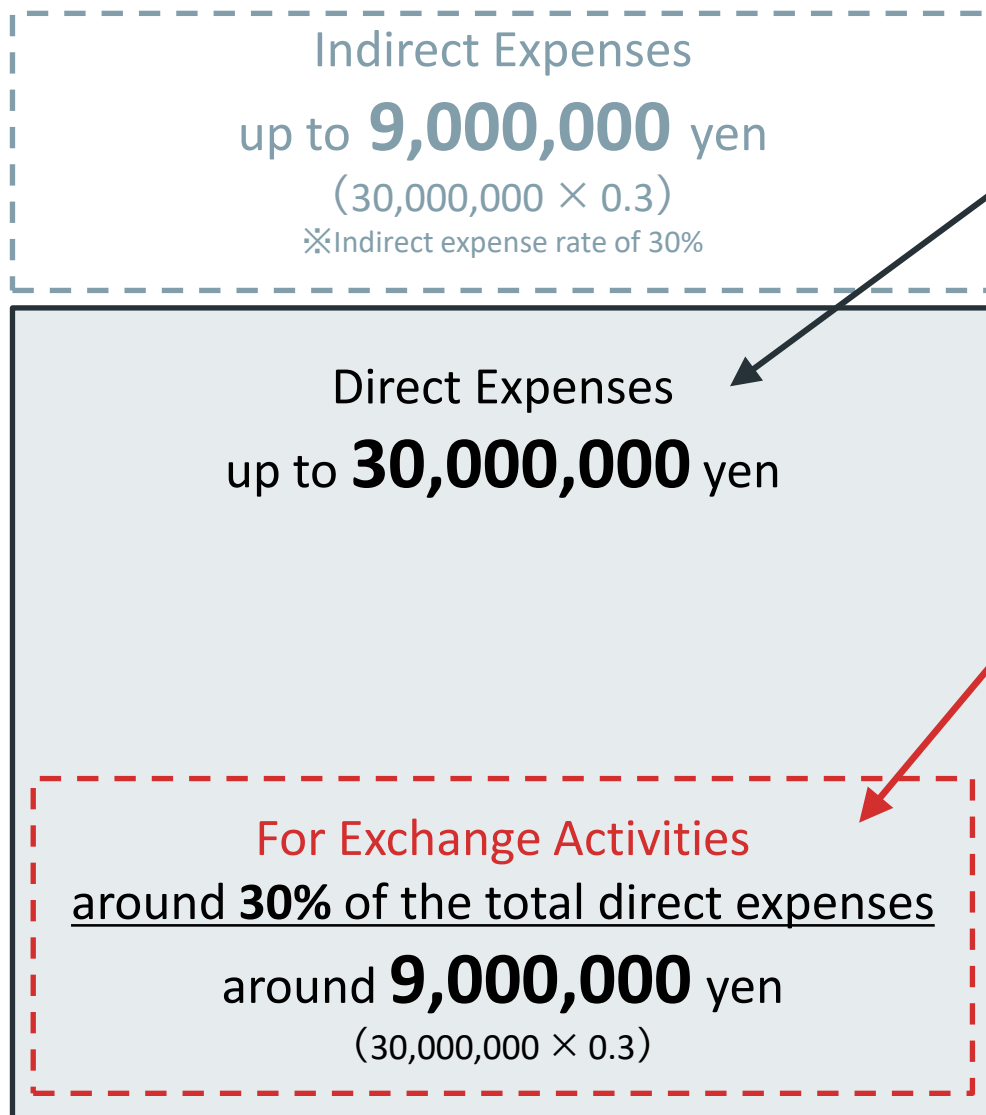
Checklist of treatments:

- Research security
- Regulations regarding to the use of biological and genetic resources
- Personal information
- Intellectual property
- Other ethics

“Confirmation Form” signed by the head of the institution affiliated with the PI

- In the case of a university/college, it is the president, not the dean

Amount of Funding and Eligible Costs



- Equipment costs (equipment and consumables)
- Travel costs
- Personnel costs
 - ✓ Incl. administrative staff who coordinate exchange activities
- Miscellaneous

Exchange activities of researchers (incl. graduate and undergraduate students)

- Dispatching researchers/students to the partner country
- Holding workshops
- Presenting at international conference, and so on

Budget Description

Amount (1,000 yen)	First Year (FY2026)	Second Year (FY2027)	Third Year (FY2028)	TOTAL (a)	Exchange Plan (b)
Facilities and equipment				8,000	0
Consumables				1,000	1,000
Travel				12,000	8,000
Personnel				4,000	1,000
Others				5,000	0
Total amount				30,000	*around 30% of the left cell 10,000

Enter direct expenses for
exchange activities in the
left TOTAL column

30.0% are allocated to these
activities in this example.

Team Structure (Japan)

Japan-side team

PI Group



Principal Investigator
(PI, **institution A**)



Collaborators/Participants

Prefer a collaborator/participant over a Co-PI from the same department/division.

Co-PI is optional. PI's group proposals are fine.

To fund researchers from different institutions, designate them as Co-PI.

Co-PI Group1



Co-PI (**institution B**)



Collaborators/Participants

Co-PI Group2



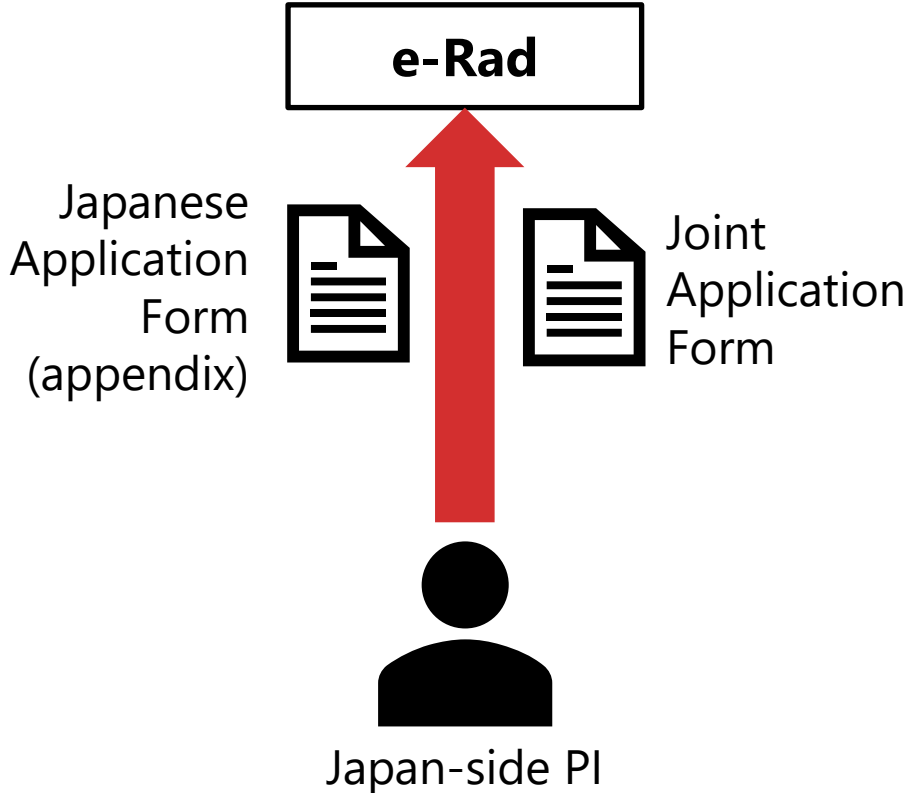
Co-PI (**institution A**)



Collaborators/Participants

Designate a Co-PI only when separate contracts are necessary, such as leading a project. Avoid same department/division as the PI.

Application System: e-Rad



Application Guidelines and Forms

	File
Application guidelines	PDF
Application guidelines (appendix for Japan-side PIs)	PDF
Joint application form (proposal)	Word
Japanese application form (appendix for Japan-side PIs)	Word
e-Rad manual (in Japanese)	PDF
FAQ (in Japanese)	PDF

Please refer to the “**e-Rad manual**” when you submit

Cautions on e-Rad

- Reporting about “**Research Integrity**” is required for **ALL** applicants (PI and Co-PIs)

研究者

研究者情報の確認・修正

研究者情報の確認・修正

パスワードの変更

秘密の質問と答えの変更

メール送受信設定

クイックメニュー設定

研究者情報の修正

研究者の基本的な情報の登録／修正を行います。

基本情報 研究分野 所属研究機関

所属する研究機関

所属情報の管理は、所属する研究機関の事務代表者/事務分担者が行います。へ修正を依頼してください。

e-Rad外の研究費の状況および役職と所属機関への届け出状況

(1) e-Rad外の研究費

契約の種類	相手機関(相手機関の国名) 制度名 研究課題名 (研究期間)	予算額	エフォート (%)	機密保持契 約締結有無	削除
行の追加					

(2) (兼業や、外国の人材登用プログラムへの参加、雇用契約のない名誉教授等を含む) 現在の全ての所属機関・役職

兼業、外国の人材登用プログラムへの参加、あるいは雇用契約のない名誉教授等	相手機関の所在地	削除
行の追加		

(3) 誓約状況

寄附金等や資金以外の施設・設備等の支援を含む、自身が関与する全ての研究活動に係る透明性確保のために必要な情報について、関係規程等に基づき所属機関に適切に報告しているか。

☒ 報告している

Cautions on e-Rad

❑ Research Duration

- 2026 – 2028

❑ Research Objective & Abstract

- Write “提案書参照” on the forms. The form allows only up to 5 characters (you can not write details).
- Do not upload files of “Objective” & “Abstract” on the section.

The screenshot shows the '基本情報' (Basic Information) section of the e-Rad form. It includes fields for '研究期間(西暦)' (Research Period in Gregorian Calendar) with a required field indicator and a range from 2026 to 2028, and '研究分野(主)' (Main Research Field) with a required field indicator and a search button. Below these are fields for 'キーワード' (Keywords) with a required field indicator and a search button. The '研究分野(副)' (Secondary Research Field) section has a dropdown menu. The '研究目的' (Research Objective) and '研究概要' (Research Summary) sections each have a text area with a 5-character limit and a red annotation '提案書参照' (Refer to Proposal Book). Below each text area is a table for file uploads. The '研究目的ファイル' (Research Objective File) table has a red box around it with the text 'Do not upload'. The '研究概要ファイル' (Research Summary File) table also has a red box around it with the text 'Do not upload'.

名称	形式	サイズ	ファイル名
研究目的ファイル	PDF (PD)	10MB	

名称	形式	サイズ	ファイル名
研究概要ファイル	PDF (PD)	10MB	

Inquiry

□ Contact

- Japan Science and Technology Agency (JST)

Department of International Affairs

NEXUS Japan—Singapore “Quantum”

joint-call-ja”AT”jst.go.jp

- 国立研究開発法人科学技術振興機構(JST)

国際部先端国際共同研究推進室ASEAN連携グループ

NEXUS日本—シンガポール「量子」公募担当

joint-call-ja”AT”jst.go.jp

Please write questions from the
“Q&A” button.

日本語での質問も可能です。
その場合は読み上げず、
テキストで回答します。

Singapore-specific Information

Researcher Eligibility

- ❑ **Two identical copies of a proposal must be submitted to both the JST and the A*STAR.**
 - Proposals received by the A*STAR and not submitted to JST (and vice versa) will automatically be considered ineligible
 - ❑ **Research duration must be 36 months**
 - Duration less than 36 months will be possibly ineligible
-
- ❑ Applicants' (PI and Co-PIs) primary appointment has to be **75% or more in a local publicly funded research institution**
 - Applications must be endorsed by applicants' Host Institution before submission
 - Applicants must deliver their project in accordance with the A*STAR Grants T&Cs and Guidelines
 - Applications must be submitted through iGrants, with all the information as outlined in the Application Form and the Budget, Milestones and KPIs template, along with all necessary attachments

Common eligibilities

Singapore-side eligibilities

Amount of Funding and Eligible Costs

Funding per project
up to SGD **350,000**
(inclusive of 30% Indirect Expenses)

Examples of Direct Cost Items:

- Manpower / labour (FTE) costs
- Equipment costs
- Materials and consumables
- Travel costs

(Please refer to the **A*STAR Grants T&Cs** for the fundable items.)

Examples of Non-fundable items include:

- Salaries of Lead PI / investigators / visiting profs and researchers / collaborators / general admin support staff
- Stipend top-up for existing post-grad scholarship holders
- Undergraduate stipend and tuition support
- Audit and legal fees
- Patent application

(Please see **Application Guidelines, section 6.2** for more information on the non-fundable direct cost items.)

Budget Description

Singapore-based applicants are required to also separately fill in the Budget breakdown, Milestone, Work contribution and KPIs template.

	Year 1 (\$)	Year 2 (\$)	Year 3 (\$)	Total (\$)
Manpower / Labour (FTE) [EOM]				
Equipment (EQPT)				
Other Operating Expenses (OOE)				
Overseas Travel (TRVL)				
Research Scholarship (RS)				
Indirect costs (30%)				
GRAND TOTAL (SGD)				

Please **ensure proper planning of expenses each year**, taking into consideration the amount of time needed to source for FTE, procure EQPT etc.

Budget Justifications

Budget, Milestones and KPIs template
for Singapore applicants only

Budget Justifications	
<u>EOM Vote</u>	
Vote Item	Justification
<u>EQPT Vote</u>	
Vote Item	Justification
<u>OOE Vote</u>	
Vote Item	Justification
<u>Overseas Travel Vote</u>	
Vote Item	Justification
<u>RS Vote</u>	
Vote Item	Justification

Please ensure **clear and comprehensive justifications** for all budget vote items and how it contributes to the **project**, e.g. (i) descriptions of EOM duties, (ii) description, examples and purpose of OOE expenses, (iii) purpose and no. of expected pax for TRVL, etc.

Useful Info

❑ For more information on the Grant Call application,

Please visit the [Japan-Singapore Joint Call for Proposal on Quantum 2025 webpage](#) for the following materials:

- Grant Call Guidelines
- A*STAR Terms and Conditions
- A*STAR Grant Guidelines
- Milestones & Benchmarking Setting Guidelines

Inquiry

□ Contact

➤ A*STAR

Office of Grant Administration

oga_bilats@hq.a-star.edu.sg

Frequently Asked Questions (1)

❑ Will e-mail applications be accepted?

- No, e-mail applications will not be accepted. Please ensure ahead of time that there are no problems with your iGrants or e-Rad accounts, in order to submit your applications by the stipulated deadline.

❑ Are there any internal deadlines to adhere to?

- Please confirm with your respective Host Institutions' Research Office, or equivalent, for any internal deadlines you would need to adhere to for submission for external grants.

Frequently Asked Questions (2)

❑ **Can funds be allocated to external collaborators that are essential to the project?**

- No, funds can only be allocated to PIs/co-PIs or co-Is who are from publicly funded institutions.

❑ **Does the Japan-based research team members need to be added as part of the team composition in the iGrants submission?**

- No, the Singapore-based applicant will only need to include the Singapore-based team on iGrants. The Japan-based team members should be listed in the Application Form instead.

Frequently Asked Questions (3)

- ❑ **Can the deadline be extended if a part of a proposal appendix is missing** (especially the confirmation seal of the institution head for the Japan side)?
 - No, we will not extend the deadline, and the submission system will close as scheduled. Please ensure that items requiring additional time are prepared in advance. However, should the online system encounter any issues, updates will be provided via our website, including information on how such matters will be addressed. [For Japan-based PIs only: Even if you are unable to obtain the seal and other information in time, please proceed with the submission without the item through the system by the deadline by consulting JST in advance.]
 - [For Singapore-based PIs: Please let us know **in advance** that your formal submission through iGrants would be incomplete and we will liaise and confirm accordingly.]
- ❑ **If the PI needs to leave Japan/Singapore before the project is completed, is it possible to transfer the PI role to another researcher and continue the project until the project ends?**
 - We expect the PI to lead the proposed project throughout its duration as stated at the time of proposal. However, should such a situation occur during the project period, we won't terminate the funding immediately. Instead, we will consider alternative arrangements, such as appointing a new PI.

Appendix

Q&A (in the session June 16th)

Question	Answer
May I know if we can include collaborators from other countries (ASEAN)?	Researchers from other countries, including those from ASEAN countries, may be included. However, please note that budget allocations are restricted to PIs and Co-PIs affiliated with Japan or Singapore. For further details, please refer to the introduction section of the Joint Call Guidelines on collaborators.
Can funds be used for Workshop costs?	Yes, the funds can be used for workshop purposes.
Clarification: How many total projects will be funded?	Up to 10 projects can be funded (depending on the quality of the proposals and number of applications received).

Q&A (in the session June 16th)

Question	Answer
Can a PI be on two projects?	<p>[A*STAR] For Singapore-based applicants, there is no restriction on the number of applications one can submit. However, we encourage PIs to focus on a single application as the Lead PI.</p> <p>If two or more similar proposals are submitted by the same Lead PI with different teams, the Grantor may require the PI to retain only one of them.</p> <p>[JST] For Japan-side researchers, PI is not allowed to submit more than one proposal as a PI in this Joint Call for Proposals. However, there is no restriction on serving as a Co-PI.</p>
Would Company Collaborators be viewed positively (e.g. JP Morgan, IBM)?	Proposals will be evaluated based on the criteria outlined in section 9.2 of the Joint Call Guidelines.
In Japan, is there a requirement of the PI to have 75% time in an education institute, or is an affiliation enough?	<p>[JST] No, there isn't. They must be able to apply for research funds through the host institution that they are affiliated to.</p>

Q&A (in the session June 16th)

Question	Answer
Is there any quotas for specific institutions?	<p>[A*STAR] For Singapore-based applications, there is no specific quota for a specific institution.</p> <p>[JST] No, there isn't.</p>
For the Singapore side, can the co-PI be from the same research institution (RI)?	<p>[A*STAR] Yes, it is possible for PI and Co-I to be from the same research institution.</p>
If a grant in Singapore has Co-PI is institutions different from PI, will the funds be split between the two institutes?	<p>[A*STAR] Please do clearly state the budget requirement in the Budget template for the respective institutions. The funds allocated to both institutions should be used for the research objectives of the submitted proposal.</p>
Are optical sensors utilizing quantum plasmonics part of subtopic 3?	<p>Yes, you can check on subtopic 3 on the form if the theme is aligned to the main topic "<u>Quantum: Research into...</u>". Note that, the point will be evaluated as a criteria "<u>Consistency with the research field...</u>".</p>

Q&A (in the session June 16th)

Question	Answer
In your example, I found some consumables are included in an exchange plan. Which kind of consumables do you have in mind?	[JST] Examples of consumables for research exchanges include certain items used in collaborative experiments, including the dispatching or inviting of young researchers and students.
Can the collaborators come from any company in Japan or Singapore?	[JST] Yes, you can. But we can fund only to PI and Co-PI's domestic institutions. If you want to allocate budgets to the company, please include a leader as a Co-PI/Co-I rather than a collaborator. [A*STAR] For Singapore-based applications, collaborators from companies or non-publicly funded institutions would not be able to receive any SG funding from this grant.
Is there any expected TRL level for fundamental quantum information science fundable?	[A*STAR] We encourage projects of a higher TRL. Projects will be evaluated based on research excellence and criteria stated, such as expected economic and social impact. [JST] JST does not require high TRL of Japan-side teams. Because this is joint call, please note that the Singapore-side team are encouraged to have high TRL.