

**A\*STAR – AMED JOINT CALL FOR PROPOSALS 2023**

**APPLICATION FORM**

|  |  |  |
| --- | --- | --- |
| **Joint Proposal Title:** |  | |
| **Applicants**  **(Principal Investigators):** |  | (Singapore)  (Japan) |

**PROPOSAL DETAILS**

**INSTRUCTIONS**

**This document contains nine (9) separate sections.**

**Please complete ALL sections**

|  |  |
| --- | --- |
| **SECTION** | **DESCRIPTION** |
| **A.** | **GENERAL INFORMATION** |
| **B.** | **SCIENTIFIC ABSTRACT OF THE PROPOSAL** |
| **C.** | **PROBLEM FORMULATION** |
| **D.** | **POTENTIAL IMPACT / APPLICATIONS / EXPLOITATION** |
| **E.** | **PROJECT IMPLEMENTATION SCHEDULE AND KPIs** |
| **F.** | **BUDGET INFORMATION** |
| **G.** | **CASE FOR SUPPORT** |
| **H.** | **CVs** |
| **I.** | **DECLARATION** |

**For Japan-based co-applicants:**

Proposals must be electronically submitted in English and Japanese (日本側追加応募様式) using the attached Application Form by means of the “e-Rad“ system (<https://www.e-rad.go.jp/>) to the Japan Agency for Medical Research and Development (AMED) no later than **20 July 2023, 5:00 pm (JST).**

**For Singapore-based co-applicants**:

Proposals must be electronically submitted to the Biomedical Research Council, Agency for Science, Technology and Research via iGrants system (<https://igrants-app.a-star.edu.sg/>), no later than **20July 2023, 5:00 pm (SST)**.

**Important: Relevant privileged or confidential information should be disclosed to help convey a better understanding of the project.**

**However, such information must be clearly marked as such in the proposal.**

**A. GENERAL INFORMATION**

|  |  |
| --- | --- |
| **Joint Proposal Title:** |  |

**Research Team in Singapore**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Organisation, Division | Title | Degree | Specialty |
| (PI) |  |  |  |  |
| (Co-Investigator(s)) |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| (Collaborators) |  |  |  |  |
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**Research Team in Japan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Organisation, Division | Title | Degree | Specialty |
| (PI) |  |  |  |  |
| (Co-Investigator(s)) |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| (Collaborators) |  |  |  |  |
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**B. SCIENTIFIC ABSTRACT OF THE PROPOSAL**

**Instructions:**

In no more than 300 words, please provide a succinct and accurate scientific description of the proposal to include the specific aims, hypotheses, methodology and approach of the research proposal, including its importance to the research area of this proposal. **The scientific abstract should be identical for both the Singapore and Japan applications.**

**C. PROBLEM FORMULATION**

**Instructions:**

1. List the main objectives of the joint research project in order of priority, and describe them clearly and succinctly.
2. Provide specific details on **the contributions and responsibilities of investigators in Singapore and Japan** with respect to the main objectives of the joint research project.
3. Describe the scope and constraints of the proposed activity.
4. Highlight the deliverables upon project completion, **stating specifically what are the contributions and responsibilities of investigators in Singapore and Japan**.
5. Please do **NOT** exceed **two pages** for this section.
6. **Main objectives, stating specific contributions and responsibilities of investigators in Singapore and Japan**
7. **Scope & constraints**
8. **Deliverables, stating specific contributions and responsibilities of investigators in Singapore and Japan**

**D. POTENTIAL IMPACT / APPLICATIONS / EXPLOITATION**

**Instructions:**

1. Please state the likely impact and applications of the work (scientific, medical, social, technological, economic, etc.).
2. Highlight any potential for exploitation, and the necessary follow-up arrangements.
3. Please do **NOT** exceed **one page** for this section.
4. **Impact**
5. **Applications**
6. **Exploitation Potential / Commercialisation (if expected)**

**E. PROJECT IMPLEMENTATION SCHEDULE AND KPIs**

**Instructions:**

1. Indicate clearly the deliverables of each team (both in Singapore and Japan).
2. For Singapore team, please refer to the milestone guide found on the A\*STAR funding opportunities website

|  |  |  |  |
| --- | --- | --- | --- |
| Research  Milestones/  Deliverables | Year 1 | Year 2 | Year 3 |
| Milestone 1 |  |  |  |
| Milestone 2 |  |  |  |
| Milestone 3 |  |  |  |
| Etc. |  |  |  |

KPIs (Applicable for Singapore team)

|  |  |  |
| --- | --- | --- |
| Category | Criteria | Target |
| Research Capability Indicators | No. of publications in the top 10% most highly cited journals |  |
| Industry Capability Indicators | Industry Dollars Received to Fund Project (Cash Only S$)\* |  |
| Industry Capability Indicators | Industry Dollars Received to Fund Project (In-Kind S$)\* |  |

**F. BUDGET INFORMATION (please attach)**

**Instructions:**

**For Japan-based Applicants**

Fill in the table below.

Total for Institutions in Japan

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Year 1(JPY) | Year 2(JPY) | Year 3(JPY) | Total (JPY) |
| Direct Expenses | Facilities, equipment and consumables; |  |  |  |  |
| List of equipment to purchase  (Top 5 in descending order of price)  -  -  -  -  - |  |  |  |  |
| Travel; |  |  |  |  |
| Personnel and Services; |  |  |  |  |
| Other; |  |  |  |  |
| Total of Direct Expenses | |  |  |  |  |
| Overhead Expenses; 30% of Total of Direct Expenses | |  |  |  |  |
| GRAND TOTAL | |  |  |  |  |

Erase sub-tables (Breakdown) below if only the Lead Japan Institution will sign the contract with AMED.

(Breakdown)

Lead Institution in Japan: (Name of the Institution)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Year 1(JPY) | Year 2(JPY) | Year 3(JPY) | Total (JPY) |
| Direct Expenses | Facilities, equipment and consumables. |  |  |  |  |
| Travel; |  |  |  |  |
| Personnel and Services; |  |  |  |  |
| Other; |  |  |  |  |
| Total of Direct Expenses; | |  |  |  |  |
| Overhead Expenses; 30% of Total of Direct Expenses | |  |  |  |  |
| GRAND TOTAL | |  |  |  |  |

Collaborating Institution I: (Name of the Institution)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Year 1(JPY) | Year 2(JPY) | Year 3(JPY) | Total (JPY) |
| Direct Expenses | Facilities, equipment and consumables. |  |  |  |  |
| Travel; |  |  |  |  |
| Personnel and Services; |  |  |  |  |
| Other; |  |  |  |  |
| Total of Direct Expenses; | |  |  |  |  |
| Overhead Expenses; 30% of Total of Direct Expenses | |  |  |  |  |
| GRAND TOTAL | |  |  |  |  |

Collaborating Institution II: (Name of the Institution)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Year 1(JPY) | Year 2(JPY) | Year 3(JPY) | Total (JPY) |
| Direct Expenses | Facilities, equipment and consumables. |  |  |  |  |
| Travel; |  |  |  |  |
| Personnel and Services; |  |  |  |  |
| Other; |  |  |  |  |
| Total of Direct Expenses; | |  |  |  |  |
| Overhead Expenses; 30% of Total of Direct Expenses | |  |  |  |  |
| GRAND TOTAL | |  |  |  |  |

(Add tables for further collaborating institutions as necessary)

**For Singapore-based Applicants**

Fill in the table below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Manpower (EOM) (please list)** | **No.** | Year 1(S$) | Year 2(S$) | Year 3(S$) | Total(S$) |
| *Postdoctoral Fellow* |  |  |  |  |  |
| *Research Assistant* |  |  |  |  |  |
| *Laboratory Technician* |  |  |  |  |  |
| *Project Manager* |  |  |  |  |  |
| EOM Subtotal | |  |  |  |  |
| Equipment (please list) | No. | Year 1(S$) | Year 2(S$) | Year 3(S$) | Total(S$) |
| Please list down the equipment |  |  |  |  |  |
| Equipment Subtotal | |  |  |  |  |
| Other Operating Expenses (OOE) |  | Year 1(S$) | Year 2(S$) | Year 3(S$) | Total(S$) |
| Please list down the OOE.E.g. Materials & Consumables | |  |  |  |  |
| OOE Subtotal | |  |  |  |  |
| Overseas Travel | | Year 1(S$) | Year 2(S$) | Year 3(S$) | Total(S$) |
| Please list down the Overseas travel E.g.Conferences | |  |  |  |  |
| Indirect costs (30%) | |  |  |  |  |
| GRAND TOTAL | |  |  |  |  |

**G. CASE FOR SUPPORT**

**Instructions:**

1. Where applicable, the specific, differentiated contributions and responsibilities of the Singapore- and Japan-based Principal Investigators should be clearly stated.
2. This section must be submitted in Arial font size 10. Please do **NOT** exceed **seven pages** for this section. **Please note that submissions that do not comply with these requirements will be rejected.**
3. **detailed methodology**

PIs should describe in detail:

* + the method and technical approach chosen,
  + the alternatives that have been or can be considered,
  + why the chosen methods are preferred, and
  + whether the investigation is to occur in stages and if the stages would be sequential or parallel.

1. **novelty of the approach**

PIs should highlight succinctly the novelty of the proposed approach.

1. **competitors/ comparative advantages of the approach**

PIs should mention who else in the world is working in similar areas and highlight their key/main competitors, and they should also highlight why the proposed approach is better than those of the key competitors mentioned.

1. **Information on collaboration**

PIs should describe in detail:

* + the lead institutions in Singapore and Japan involved in the project,
  + the interaction among investigators of both countries,
  + specific contributions and responsibilities of investigators in Singapore and Japan,
  + how the proposed research will leverage capabilities both in Singapore and Japan with each collaborating partners,
  + involvement (e.g., in terms of man-months per year) of the PI, Co-Investigators and Collaborators in Singapore and Japan, and
  + the achievements that are relevant and necessary in ensuring success for the proposed research.

1. **Personnel & equipment justification**

The Singapore-based PI should elaborate in detail the reasons for the requested manpower and equipment, highlighting the specific contribution to the deliverables of the project.

1. **Management of intellectual property RIGHTS**

Describe the management of intellectual property rights arising from the proposed joint project that should be included in the Research Collaborative Agreement.

1. **previous preliminary work**

Investigators in Singapore and Japan should describe previous works that are related to this proposal and any preliminary results that would help to support this proposal. They should also describe past collaborative efforts between themselves.

**H. CVs of Applicants**

**Instructions:**

1. The CVs of the applicants in Singapore and Japan, highlighting the relevant research background, technical competencies and publications, must be attached. The main scientific publications and/or patent applications within the last five (5) years must also be listed in the CVs of the applicants.

**I. DECLARATION**

***My/Our proposal involves the use of (please indicate within box)***

|  |  |
| --- | --- |
| Human Subjects |  |
| Use of Human Tissues or Cells |  |
| Animal Experimentation |  |
| Use of Animal Tissues or Cells |  |
| Requirement for containment Class 2 and above |  |

Has the necessary ethical clearance been obtained for the proposal?

**Yes. A copy of the ethics approval is attached with the application.**

**No. A copy of the ethics approval will be submitted before the commencement of the project.**

|  |  |
| --- | --- |
| ***My/Our proposal does not involve the use of any of the above.*** |  |

Please indicate if any of the following additional documents are attached in support of the grant application:

|  |  |
| --- | --- |
| Letter(s) stating financial commitment from co-applicants |  |
| Quotations |  |

|  |  |
| --- | --- |
| ***I/We understand the need for and agree to sign a Research Collaborative Agreement (RCA) between our institutions (universities, etc.), and will share it with A\*STAR and AMED no later than three months from the award start date.*** |  |

***I/We declare that the facts stated in this application and the accompanying information are true and that this is an original and latest version of the proposal.***

(Singapore-based co-applicants)

***I also declare that no other versions of this proposal (or parts thereof) with similar objectives, scope, deliverables or outcomes have been or will be submitted to any other funding bodies.***

(Japan-based co-applicants)

***I also declare that this research is not being funded by any funding bodies and I will report promptly to AMED in case a research project including the same content is selected for funding in another competitive funding program.***

|  |  |  |
| --- | --- | --- |
| **Print Name of Applicant** | **Signature** | **Date** |
| **(Singapore)** |  |  |
| **(Japan)** |  |  |