(Form 1)

**R&D Proposal**

**[International Collaborative Research Program for Tackling the NTDs (Neglected Tropical Diseases) Challenges in African countries]**

|  |  |
| --- | --- |
| Title of proposed R&D project  | *Study on XXX* |
| Title of grant program | International Collaborative Research Program for Tackling the NTDs (Neglected Tropical Diseases) Challenges in African countries |
| R&D period | YYYY/MM/DD - YYYY/MM/DD |
| R&D field  | *XXXX* |
| R&D category | *XXX* |
| Particulars | *XXX* *Note: Enter in accordance with what you entered when you registered the e-Rad application data.* |
| Key words in Particulars list　　　 | *XXX, XXX* |
| Key words other than those in Particulars list |  |
| Name of R&D Principal Investigator  | *XXXX*　　　　　*Mr. Yyyy Yyyyyy* |
| Affiliated institution | *XXXX University*  |
| Address | 〒*XXX-XXXX* |
| Tel | *XX-XXXX-XXXX* | FAX | *XX-XXXX-XXXX* |
| E-mail | *YYY@YY.jp* |
| Department | *XXX Department, Faculty of XXX* |
| Position | *XXX* |
| Accounting work supervisor’s name | *XX　XX* | Accounting department name, contact information etc. | *XX Section, Administration Department, XXXXUniversity* *TEL: FAX:**E-mail:* |
| Name of R&D Co-Investigator※ | *XX　XX*　　　　 *Ms. Zzzz Zzzzz* |
| Affiliated institution | *XXUniversity* |
| Address | 〒222-2345 |
| Tel | *XX-XXXX-XXXX* | Fax | *XX-XXXX-XXXX* |
| E-mail | *YYY@YY.jp* |
| Department | *XXX Department, Faculty of XXX* |
| Position | *XXX* |
| Accounting work supervisor’s name | *XXXXX* | Accounting department name, contact information etc. | *XX Section, Administration Department, XXXXUniversity* *TEL: 　　FAX:**E-mail address:* |

※ Add rows as needed in accordance with the number of R&D Co-Investigators, etc.

※ Describe only researchers affiliated with a research institutions in Japan.

Breakdown of costs for each fiscal year　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　(Unit: 1,000 yen)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Main item | Sub items | FY2017 | FY2018 | FY2019 | FY2020 | FY2021 | Total |
| Direct costs | 1. Costs of goods | Equipment costs |  |  |  |  |  |  |
| Consumable item costs |  |  |  |  |  |  |
| 2. Travel costs | Travel costs |  |  |  |  |  |  |
| 3. Personnel costs/ services costs | Personnel costs |  |  |  |  |  |  |
| Services costs |  |  |  |  |  |  |
| 4. Other | Subcontract costs |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |
| Indirect costs(In general, 30% of aforementioned costs) |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Desired R&D costs | FY | Direct costs | Indirect costs(In general, 30% of direct costs) | Total R&D cost (Direct and indirect costs) |
| FY2017 | 　　　　　　　Yen | 　　　　　　　　Yen | 　　　　　　　　　Yen |
| FY2018 | 　　　　　　　Yen | 　　　　　　　　Yen | 　　　　　　　　　Yen |
| FY2019 | 　　　　　　　Yen | 　　　　　　　　Yen | 　　　　　　　　　Yen |
| FY2020 | 　　　　　　　Yen | 　　　　　　　　Yen | 　　　　　　　　　Yen |
| FY2021 　　　　　　　 | 　　　　　　　Yen | 　　　　　　　　Yen | 　　　　　　　　　Yen |

**(Japan) Research Organization (R&D Principal Investigator and Co-Investigator)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Name (age)Researcher ID No. | Affiliated institution DepartmentPosition | Current professional degree (final academic background)Division of responsibilities | FY 2017research costs(Unit: 1000 yen) | Effort (%) |
| R&D Principal Investigator | *XXXX (XX)**12345678* | *XXXX University*  | *XXX* | *X,XXX* | *XX* |
| *XXX Department, Faculty of XXX* | *Ph. D (XXX)*(*XX University)* |
| *XXX* | *XXX* |
| R&D Co-Investigator | *XXXX (XX)**98765432* | *XX University (Japan)* | *XXX* | *X,XXX* | *XX* |
| *Faculty of XXX**XXX Department* | *Ph. D (XXX)* |
| *XXX* | *XXXXX* |
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| Total: 　2 people | Total R&D costs | *X,XXX* |  |

* *AMED fund R&D cost to each institutions in Japan****.*** *It is not necessary to describe the allocation amount for each researcher at the same institution.*

**(African country name) Research Organization (R&D Principal Investigator and Co-Investigator)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Name (age)Researcher ID No. | Affiliated institution DepartmentPosition | Current professional degree (final academic background)Division of responsibilities | Effort (%) |
| R&D Principal Investigator | *XXXX (XX)**12345678* | *XXXX University*  | *XXX* | *XX* |
| *XXX Department, Faculty of XXX* | *Ph. D (XXX)*(*XX University)* |
| *XXX* | *XXX* |
| R&D Co-Investigator | *XXXX (XX)**98765432* | *XX University (Japan)* | *XXX* | *XX* |
| *Faculty of XXX**XXX Department* | *Ph. D (XXX)* |
| *XXX* | *XXXXX* |
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| Total: 　2 people |  |  |  |

**(Other country name) Research Organization (R&D Principal Investigator and Co-Investigator)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Name (age)Researcher ID No. | Affiliated institution DepartmentPosition | Current professional degree (final academic background)Division of responsibilities | Effort (%) |
| R&D Principal Investigator | *XXXX (XX)**12345678* | *XXXX University*  | *XXX* | *XX* |
| *XXX Department, Faculty of XXX* | *Ph. D (XXX)*(*XX University)* |
| *XXX* | *XXX* |
| R&D Co-Investigator | *XXXX (XX)**98765432* | *XX University (Japan)* | *XXX* | *XX* |
| *Faculty of XXX**XXX Department* | *Ph. D (XXX)* |
| *XXX* | *XXXXX* |
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|  |  |
|  |  |
| Total: 　2 people |  |  |  |

* *Add rows as needed in accordance with the number of R&D Co-Investigators, etc.*

**1. Research objectives**

(1) Concept

・*Describe in such a way that evaluators can easily understand* *within 3 pages. Use figures and tables, if necessary.*

1) Targets and objectives of research and development

*Provide specific descriptions of (1) targets of research and development (target results of the research and development upon completion of the research and development period) and (2) objectives of research and development (outcomes arising from the results above).*

Target Disease: *Leishmaniases, Chagas Disease*

2) Background of research and development

*Describe the priority, social, economic and industrial needs of the partner country/region to clarify the importance and necessity of the proposed research and development. Include, if necessary, trends of the field concerned and relevant fields.*

3) Milestone (Annual Targets)

*Briefly describe the following:*

(1) Target for the first year:

(2) Interim target for the third year from the launch of research and development:

(3) Target upon completion of the project period:

4) Expected development of results

*Provide specific descriptions of the following within the possible range: Start with targets and objectives of the research and development, and also the creation of science and technology innovation, the creation of new industries/social contributions, and the acquisition and use of intellectual properties, which are expected to be realized.*

5) Synergy of the Joint Research Activity

*Describe how the groups complement each other, expected added value from the proposed joint project.*

6) Development of human resources

|  |  |
| --- | --- |
| Name | Outcome/achievement: |
| ○○○ ○○○○*Experts who have been trained and educated* | ○○○○*Describe the results of human resource development efforts for at least the last five years, including a list of scientific papers and achievements.* |
|  |  |
|  |  |

7) Appropriateness of the institution serving as the center

*Provide reasons for the appropriateness of the institution concerned serving as a center for cooperation, in terms of, for example, the research environment and the management system of the institution, the position of the institution in the partner country/region, the superiority of the cooperative theme within the African region, and benefits to Japan from the institution when it serves as a center.*

8) Preparations made so far

*Describe how the institution, if selected, is prepared to enable itself to smoothly start the full-scale research in the field concerned with foreign participating institutions in the country concerned.*

9) Post-project efforts (Sustainability)

*Describe as much as possible on how to continue cooperative efforts at the center after completing the support period of this program, how to develop research results so as to make them useful to society, and the prospects for these efforts.*

**2. Research plan and research methods**

**(1) Summary of Proposal(In Japanese and English)　<Attach to the end of this form as an Appendix>**

**(2) Research plan and research methods**

*・Indicate the certain strategy and/or methods, research outcome targets, and achievement for each research item on the research partway during the following years within 3 pages.*

1. *Clarify the specific roles of the R&D Principal Investigator, R&D Co-Investigator and collaborating researchers, etc. who will constitute the research organization for carrying out the research plan.*
2. *In the case of research that will span multiple years, describe the relationship between the overall research plan and the yearly plans.*
3. *For clinical research, specify the basic design, target number of cases and number of samples, evaluation method etc.*
4. *In addition, attach as Annexes the main schedule for research and development (roadmap), a diagram showing the implementation system and so on*

**(Japan) side**

1. R&D item 1

Leader (Affiliated institution, name)

Sub-leader (Affiliated institution, name)

Milestone:

1st Year (2017)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

2nd Year (2018)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

3rd Year (2019)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

4th Year (2020)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

5th Year (2021)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

1. R&D item 1

Leader (Affiliated institution, name)

Sub-leader (Affiliated institution, name)

Milestone:

**(African country name) side**

1. R&D item 1

Leader (Affiliated institution, name)

Sub-leader (Affiliated institution, name)

Milestone:

1st Year (2017)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

2nd Year (2018)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

3rd Year (2019)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

4th Year (2020)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

5th Year (2021)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

**(Other country name) side**

1. R&D item 1

Leader (Affiliated institution, name)

Sub-leader (Affiliated institution, name)

Milestone:

1st Year (2017)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

2nd Year (2018)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

3rd Year (2019)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

4th Year (2020)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

5th Year (2021)

Milestone:

*(Outline)*

*XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX*

*(Example) Annex 1　Main schedule for R&D*

*(Example) Annex 2　Implementation system*

*・*

※ Not included in the 1,600 Japanese characters (900 words in English)

*・*

**3. Research achievements**

* *For each R&D Principal Investigator and R&D Co-Investigator (including researchers who belong to foreign participating institutions), select major papers and authors that have been published in academic journals, etc. (within the past 5 years) and list them in order starting from the most recent year. Circle those that are directly related to the proposed topic.*
* *Note the acquisition and application status of patent rights or other intellectual property rights, and any policy recommendations that have been made as a result of the implementation of the research project (guiding principles or guidelines to which you have contributed, etc.).*

**R&D Principal Investigator:** *XX　XX*

*＜Paper / Author＞*

*XM.Marusankaku, J.Aaaa, H.Bbbbb, A.Ccccc, Treatment of　Hepatic……, Nature, 2015 , 1,10-20*

*M.Marusankaku, T.Aaaa, A.Bbbbb, T.Ccccc, Risk factors for Fungal…, Nature, 2015, 2,17-26*

*＜Acquisition and application status of patent rights or other intellectual property rights＞*

*＜Policy recommendations＞*

*XXXXXX Guideline(issued by XX Academic Association　XXXX [year])*

*・R&D Co-Investigator　XX　XX*

*＜Paper・Author＞*

*XM.Kakukaku, T.Dddd, A.Eeee, T.Ffff, Study on Hepatitis…………, Nature, 2015,12,32-40*

*M.Kakukaku, T. Dddd, A. Eeee, T.Ffff, Study on Malaria………, Nature, 2015,10,45-54*

*(Example of copying & pasting of research map text output)*

*Non-negligible collisions of alkali atoms with background gas in buffer-gas-free cells coated with paraffin*

*Applied Physics B-Lasers and Optics 122(4) 81-1-81-6, March 2016*

*Laser frequency locking with 46 GHz offset using an electro-optic modulator for magneto-optical trapping of francium atoms*

*Applied Optics 55(5) 1164-1169, February 2016*

*Atomic spin resonance in a rubidium beam obliquel*

**R&D Co-Investigator:** *XX　XX*

*＜Paper / Author＞*

*XM.Marusankaku, J.Aaaa, H.Bbbbb, A.Ccccc, Treatment of　Hepatic……, Nature, 2015 , 1,10-20*

*M.Marusankaku, T.Aaaa, A.Bbbbb, T.Ccccc, Risk factors for Fungal…, Nature, 2015, 2,17-26*

*＜Acquisition and application status of patent rights or other intellectual property rights＞*

*＜Policy recommendations＞*

*XXXXXX Guideline(issued by XX Academic Association　XXXX [year])*

*・R&D Co-Investigator　XX　XX*

*＜Paper・Author＞*

*XM.Kakukaku, T.Dddd, A.Eeee, T.Ffff, Study on Hepatitis…………, Nature, 2015,12,32-40*

*M.Kakukaku, T. Dddd, A. Eeee, T.Ffff, Study on Malaria………, Nature, 2015,10,45-54*

*(Example of copying & pasting of research map text output)*

*Non-negligible collisions of alkali atoms with background gas in buffer-gas-free cells coated with paraffin*

*Applied Physics B-Lasers and Optics 122(4) 81-1-81-6, March 2016*

*Laser frequency locking with 46 GHz offset using an electro-optic modulator for magneto-optical trapping of francium atoms*

*Applied Optics 55(5) 1164-1169, February 2016*

*Atomic spin resonance in a rubidium beam obliquel*

**4. Status of research application, acceptance and effort**

*・Note (1) the research costs currently being applied for (2) the research costs scheduled to be received and (3) other activities of the R&D Principal Investigator (Japan side) for the application topic at the time of application, giving consideration to the points listed below. When noting this for multiple research costs, draw lines to demarcate the costs. For the specific notation methods and so on, check the Procedures for Preparing and Entering Research Proposal Document.*

1. *Clarify the specific roles of the R&D Principal Investigator, R&D Co-Investigator and collaborating researchers, etc. who will constitute the research organization for carrying out the research plan.*
2. *At the beginning of the “Research costs currently being applied for”, enter the application research project.*

*Note: You may enter line breaks as needed, but make sure the resulting text length is one page or less.*

**(1) Research costs currently being applied for**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title of research funding program/ research funding (research period/ funding agency) | Title of research project(name of principal investigator) | Role (Principal Investigator or co-Principal Investigator)Amount expected to be allocated to applicant | Research costs for FY 2017[amount for entire topic](Unit: 1000 yen) | Effort (%) | Differences in research content and reason for applying for this application research project in addition to other research costs(Unit: 1000 yen) |
| *【Application research project】**(2017 ～ 2019 )* | *Experimental research on the correlation between XX and XX*Total amount of the R&D projectAmount expected be allocated to applicant*(XXXX)* | *Principal Investigator* | *6,000**[15,000]* | *30* | Amount expected to be allocated to applicant Example) 6,000 x 3 years*(Total amount: 18,000)\** |
| *Grants-in-Aid for Scientific Research (KAKENHI)/ Challenging Research (Exploratory) (FY2017-FY2018, JSPS)* | *Investigative research on the dependence on XX of XX and XX(XXXX)* | *Principal Investigator* | Total amount for this research project*3,000**[10,000]* | *20* | *The research is different in that it approaches the study from the perspective of XX, and conducting this research will promote comprehensive understanding.* *(Total amount: 5,000 )\** |
| *FY 2017 XX Foundation research grant (2017 • XX Foundation)* | *×× and XX research**(XXXX)* | *Co- Investigator* | *1,000**[10,000]* | *10* | *The research is different in that it approaches the study from the perspective of XX, and conducting this research will promote comprehensive understanding.* *(Total amount: 5,000)\** |

Including receipt of already approved research costs; may be reinterpreted as necessary

**(2) Research costs scheduled to be received**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title of research funding program/ research funding (research period/ funding agency) | Title of research project(name of principal investigator) | Role (Principal Investigator or co-Principal Investigator) | Research costs for FY 2017[amount for entire topic](1000 yen) | Effort (%) | Differences in research content and reason for applying for this application research project in addition to other research costs(Unit: 1000 yen) |
| *FY 2016 XX Foundation research grant (XX Foundation, 2016)* | *Research on XX and YY**(XXXX)* | *Principal Investigator* | *1,000**[1,000]* | *10* | *The research is different in that it approaches the study from the perspective of XX, and conducting this research will promote comprehensive understanding.* *(Total amount: 5,000)\** |
| *XX Project (AMED, 2017 - 2019)* | *Research on XX and YY**(XXXX)* | *Co-Investigator* | *780**[10,000]* | *10* | *The research is different in that it approaches the study from the perspective of XX, and conducting this research will promote comprehensive understanding.* *(Total amount: 3,900)\** |

　\* In the parentheses ( ), enter the total direct expenses for the entire R&D period.

**(3) Other activities　　　Effort: *20* %**

**5. Past research costs received and resulting achievements**

*・In this box, select the portion of the research results, etc. achieved as a result of the research costs received by the Principal Investigator and Co-Investigator (Japan side) up to now (research costs provided by an affiliated research institution, and research costs from an office or ministry, local government organization, research grant corporation, private sector company etc., including research costs currently being received) that have been used in the drafting of the current research plan, dividing them into the research costs for this financing system and other research costs, with consideration given to the following points..*

1. *For each research cost, note the research funding program name, period (fiscal year), research project title, whether for the Principal Investigator or the Co-Investigator, and the research costs (direct costs), and then briefly describe the research achievements and the results of interim and ex post evaluations (only if conducted by the institution allocating those research costs).*
2. *Be sure to distinguish the research costs for this funding system from other research costs.*

Name of financing system:

Period (FY): FY \_\_\_\_\_ ～ FY\_\_\_\_\_\_

Name of R&D project :

Principal Investigator or Co-Investigator:

R&D costs (direct costs): \_\_\_\_\_\_\_\_\_\_ (Unit: 1000 yen)

Research achievements and results of interim / ex post facto evaluation:

*【Funding system】*

*(１)Basic research (A), 2009 ～ 2011, “Research on XX” Representative, 40,000 (1000 yen)*

*Achievements: ××××*

*(２)Basic research (B), 2009 ～ 2011, “Research on XX” Representative, 40,000 (1000 yen)*

*Achievements: ××××*

*【Other research costs】*

*(３)Basic research (B), 2009 ～ 2011, “Research on XX” Representative, 40,000 (1000 yen*

*Achievements: ××××*

Annex 1

**Main schedule for R&D**

* *Note the R&D issues that must be dealt with in order to achieve the objectives, as well as the period of execution.*

*※ Milestones: Points of arrival or matters to be achieved that constitute turning points in the achievement in the R&D.*

* *Note the schedule for each item in a way that will be clearly understandable to the persons who will be in charge of conducting the research.*
* *Summarize the research, including a clear detailed description of how to allocate responsibilities between research institutions in Japan and those in Africa in conducting the joint research. Add the details of the contribution that can be expected from African research institutions. Foreign participating institutions are required to have the capabilities necessary for joint research with Japan, such as contributing by providing any of the following research resources: research expenses, human resources, fields, samples and facilities; and are also required to bear an appropriate share of the costs of participating in the project.*

**Note: The schedule should be one page or less.**

|  |
| --- |
| **Main schedule for R&D (roadmap)** |
| R&D item※ Milestone  | Name of person in charge | 1st Year 1 (FY2017) | 2ndYear (FY2018) | 3rd Year (FY2019) | 4thYear (FY2020) | 5th Year (FY2021) |
| (1) Analysis of XX related gene manifestation・Establishment of assay system・Analysis of manifestation data |  | Establishment of assay system of XX (Japan side)\_\_\_\_\_\_\_\_\_ | Analysis of XX (Japan/Africa sides)\_\_\_\_\_\_\_\_\_ |  |  |  |
| (2) Development and validation of YY・Development of animal models・Validation of animal models |  | Development of YY (Africa sides) \_\_\_\_\_\_\_\_\_ | Validation of YY (Japan/Africa sides)\_\_\_\_\_\_\_\_\_ |  |  |  |
| (3) Development of diagnostic methods for ZZ ・Elucidation of the mechanism　underlying the correlation・ Development and validation of diagnostic methods |  |  | Development and validation of diagnostic methods of ZZ (Japan/Africa sides)Elucidation of ZZ (Africa sides) \_\_\_\_\_\_ |  |  |  |

Annex 2

**Implementation System Diagram**

*Attach an implementation system diagram showing the Principal Institution and Subsidiary Institution organizations, frameworks, collaboration and cooperation organizations, etc. The diagram should clearly show the roles of each institution. Also note the frameworks and methods for R&D project administration, promotion and progress management, etc.*

*Rounded square: Universities, etc.; Oval: Companies; Square: AMED; Dotted arrow: Flow of contract*

*Double-line arrow: Exchange of samples, information, etc. and allocated responsibilities (Describe the details.)*

・*The chart must not exceed one page.*

・*If there are cooperating institutions, please clearly indicate so.*

*【Example】*

Cooperation

Partner country

(Name of the country)

Partner country

(Name of the country)

*Principal Investigator*

*Affiliation, name*

*Project “\*\*\*\*\*”*

Cooperation

AMED

*Principal Investigator*

*Affiliation, name*

*Project “\*\*\*\*\*”*

*Data provision*

*Principal Investigator*

*Affiliation, name*

*Project “\*\*\*\*\*”*

*Analysis*

*Data*

*provision*

*R&D Co-Investigator*

*Affiliation, name*

*Project name: “XXXX”*

*Processing*

*R&D participant*

*Affiliation, name*

*Project name: “XXXX”*

*Sample provision*

Annex 3

**R&D Cost Plan**

Overall Table (Total of Japanese participating institutions)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Main item | Sub items | FY2017 | FY2018 | FY2019 | FY2020 | FY2021 | Total |
| Direct costs | 1. Costs of goods | Equipment costs |  |  |  |  |  |  |
| Consumable item costs |  |  |  |  |  |  |
| 2. Travel costs | Travel costs |  |  |  |  |  |  |
| 3. Personnel costs/ services costs | Personnel costs |  |  |  |  |  |  |
| Services costs |  |  |  |  |  |  |
| 4. Other | Subcontract costs |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |
| Indirect costs(In general, 30% of aforementioned costs) |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |

*・This table must match the “Breakdown of costs for each fiscal year　(Unit: 1,000 yen).”*

*・At this stage of the proposal, you do not have to take into account a subcontracting agreement.*

Representative institution (Japanese participating institution): Name of the institution

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Main item | Sub items | FY2017 | FY2018 | FY2019 | FY2020 | FY2021 | Total |
| Direct costs | 1. Costs of goods | Equipment costs |  |  |  |  |  |  |
| Consumable item costs |  |  |  |  |  |  |
| 2. Travel costs | Travel costs |  |  |  |  |  |  |
| 3. Personnel costs/ services costs | Personnel costs |  |  |  |  |  |  |
| Services costs |  |  |  |  |  |  |
| 4. Other | Subcontract costs |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |
| Indirect costs(In general, 30% of aforementioned costs) |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |

Non-representative institution (Japanese participating institution): Name of the institution

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Main item | Sub items | FY2017 | FY2018 | FY2019 | FY2020 | FY2021 | Total |
| Direct costs | 1. Costs of goods | Equipment costs |  |  |  |  |  |  |
| Consumable item costs |  |  |  |  |  |  |
| 2. Travel costs | Travel costs |  |  |  |  |  |  |
| 3. Personnel costs/ services costs | Personnel costs |  |  |  |  |  |  |
| Services costs |  |  |  |  |  |  |
| 4. Other | Subcontract costs |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |
| Indirect costs(In general, 30% of aforementioned costs) |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |

*If there are more than two non-representative institutions, add tables as needed.*

Reference: Foreign participating institution: Name of the institution

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Main item | Sub items | FY2017 | FY2018 | FY2019 | FY2020 | FY2021 | Total |
| Direct costs | 1. Costs of goods | Equipment costs |  |  |  |  |  |  |
| Consumable item costs |  |  |  |  |  |  |
| 2. Travel costs | Travel costs |  |  |  |  |  |  |
| 3. Personnel costs/ services costs | Personnel costs |  |  |  |  |  |  |
| Services costs |  |  |  |  |  |  |
| 4. Other | Subcontract costs |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |
| Indirect costs(In general, 30% of aforementioned costs) |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |

*・State the shared amount of any of the following research resources to be borne by a foreign participating institution in this project: research expenses, human resources, fields, samples, and facilities.*

*\*Not the money commissioned by AMED but the funds prepared by foreign participating institution.*

Annex 4

**Data on foreign participating institutions**

* *not more than 2 pages of A4*
* *If there is more than one foreign participating institution, provide data for all of them.*

(1) General information

|  |  |
| --- | --- |
| Country |  |
| Official name of theinstitution |  |
| Name of therepresentative |  |
| E-mail address of therepresentative |  |
| Major activities |  |
| Others (URL, etc.) |  |

(2) Major research achievements

*Provide a brief outline of the major cooperative achievements between foreign participating institutions and the representative institution. If there is a foreign institution that serves as an overseas center for a Japanese institution, provide a brief outline of the major cooperative achievements between the center and institutions in the partner country. It is not necessary to provide a list of published papers. Instead, provide a brief description of efforts in the past, including achievements related to the theme of the cooperation proposed this time, in such a way as to show that significant achievements are expected through international cooperation.*

(3) Preparations made so far to establish the center for cooperation

*Describe the level of preparations made so far to establish the center for cooperation in conducting the proposed international joint research.* ***Annex 5 (the Letter of Intent or a more detailed agreement) of a foreign participating institution must be attached.***

Annex 5

**Letter of Intent of the Research Institute in the Partner Nation**

*If the project is selected under this program, it will be necessary to confirm the intention of universities and other institutions in foreign country to conduct international joint research. For this confirmation, please attach a letter of intent (LOI) addressed to AMED from the head of an organization that has the authority to promote the proposed international joint research at universities and other institutions in foreign country. The LOI* ***must*** *include the research and development title of this proposal, the name of the research representative on the* *foreign participating institution, the objective of the project, and roles and responsibilities of the institution in foreign country. (In any format)*

\**Important notes regarding e-Rad: Only one Word or PDF file can be uploaded on e-Rad. An LOI must be converted into a PDF file. Separately, application forms (Forms 1 to 10) must also be converted into a PDF file. Combine these PDF files into one PDF file using PDF editing software and upload it to e-Rad*

Appendix: Summary of Proposal (in English and Japanese)

**Summary of Proposal**

\* Please limit this “Summary of Proposal” form to two (2) pages.

1. Project title

Nam eu lorem congue tortor volutpat scelerisque quis aliquet augue: Phasellus non dui id metus facilisis tincidunt

2. Principal investigator

1. Name Hanako Iryou
2. Sex Female
3. Researcher ID (8 digits) XXXXXXXX
4. Date of birth 19XX / XX / XX (YYYY/MM/DD)
5. Affiliation ZZZZZZ University
6. Department Department of YYYYYY
7. Position title Professor
8. E-mail address ZZZZZZ@YY.jp

3. Abstract (400 words maximum)

*Outline your research proposal, mentioning the anticipated results, in 400 words or less.*

* *Note specifically and clearly the objective of the research and why the research is needed, as well as its unique characteristics and original aspects, citing applicable references as needed.*
* *Note any research, etc. that you have conducted up to now in relation to the current research plan, as well as other research plans needed to achieve the ultimate objectives of the research, and clarify the relationship of the research plan to publicly funded research and private sector research.*
* *State clearly what needs to be clarified during the term of the research, and to what extent.*
* *Describe the degree to which the unique characteristics and original aspects of the research have been clarified in other research (either domestic or international), and what aspects remain to be elucidated.*

4. Keywords (10 items maximum)

*List as many as 10 terms that most likely represent the essence of the proposed research.*

1. XX Infectious disease 2. XXSynthetic inhibitor3. International development　　4.

5. 　　　　　　 6. 　　　　　　　7. 　　　　　　 8.

9. 　　　　　　 10.

5. Publication list (10 items maximum)

*List as many as 10 peer-reviewed articles published in English in reverse chronological order (most recent first), and specify the most relevant one(s) with an asterisk(s) (\*).*

1.

\*2.

3.

4.

5.

6.

7.

8.

9.

10.

**研究開発提案書要約**

※ 本「研究開発要約」は２頁以内に収めてください。

 １．研究開発課題名

XXXXの創出を目指した研究

 ２．研究開発代表者

1. 氏名 医療　花子
2. 性別 女
3. 研究者番号(８桁) XXXXXXXX
4. 生年月日(西暦) 19XX 年 XX 月 XX日
5. 所属研究機関 XXXX大学
6. 所属部局 XXX学部
7. 職名 教授
8. 連絡先(E-mail) ZZZZZZ@YY.jp

 ３．アブストラクト

*1000文字以内で簡潔に記載してください。(期待される成果も含む)。*

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX。XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX。XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX。XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX。

 ４．キーワード(10単語以内)

*提案内容を示す、適切かつ重要と思われる単語を記載してください。*

1．XX感染症　　2．XX合成阻害剤　　3．国際展開　　．．．．．．