**Application Form for**

**Moonshot R&D – MILLENNIA Program**

**FY2020 Call for Proposals**

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| [Instructions for filling in application forms]   * Remove this cover page before submission. * Erase all instructions written in italics before submission. * Change character decoration, font and line spacing freely; however, make sure to set the font-size to 10.5px or larger for filling in Form 2. * File size should be 3MB or smaller for uploading to e-Rad system. * If there is a discrepancy between the information filled in e-Rad system and application forms, JST proceeds the information on application forms as the master document. * There is no limit to the number of pages for Form 1. |

**[Form 1] General Information and Overview**

1. General Information

|  |  |
| --- | --- |
| Name of brainstorming team | *(Team name will be published at the time of the announcement of adopted proposals.)* |
| Applicant information (one who submits application via e-Rad system) | Name:  Age, as of April 1, 2020:  Title:  Affiliation:  *(Please fill in the official title and affiliation without abbreviating)*  Area of Specialization:  Website URL for applicant information, if any: |
| Applicant’s role in the team | □Team Leader　 □Sub-leader *(Please select one)* |
| Information on Sub-leader (or team leader in case an applicant is sub-leader) | Name:  Age, as of April 1, 2020:  Title:  Affiliation:  *(Please fill in the official title and affiliation without abbreviating)*  Area of Specialization:  Website URL for Sub-leader’s information, if any:  *(Please fill in Team leader’s information in case an applicant is sub-leader.)* |
| Information on Team Member 1 | Name:  Age, as of April 1, 2020:  Title:  Affiliation: |
| Information on Team Member 2 | Name:  Age, as of April 1, 2020:  Title:  Affiliation: |
| Information on Team Member 3  *(In case there are more team members, please copy and paste this cell for filling out all members’ information.)* | Name:  Age, as of April 1, 2020:  Title:  Affiliation: |
| Self-promotion about the team | *(Please explain, in your own expression by giving specific episodes, the background of contents of proposal, achievements, expertise, etc. of team leader, sub leader, and team members, motivation of team leader and sub leader towards the future, relativeness between such motivation and this proposal, etc. This field cannot be omitted.)* |
| Estimated total research costs (from adoption to the end of June 2021 | Estimated total amount (in JPY): |

1. Overview

|  |  |
| --- | --- |
| Summary of proposal | *(Please describe the summary of this proposal within 200 words (including punctuation).* |
| Applicant’s image of society in 2050 | *(What new values are expected in academic, industry, culture, and society when proposing moonshot goal candidate, which is investigated through this program, is achieved. Please describe the image of society in 2050 and change in values that the team wishes and opens up. Proposing image of society in 2050 is not limited to those related to the COVID-19 pandemic.)* |
| Catchphrase | *(Please briefly describe your catchphrase within 25 words, by simply explaining applicant’s image of society in 2050. This catchphrase will be published at the time of the announcement of adopted proposals.)* |

**[Form 2] Concept and Components**

* *Please describe in a comprehensive manner so that the panel members with various expertise can understand. Please use the charts (use of colors is acceptable) if necessary.*
* *Please complete Form 2 within 4 pages (no exceptions) of A4 paper/US Letter sizes. Please also make sure to set the font-size to 10.5pt or larger (no exceptions).*

1. Appropriateness of applicant’s image of society in 2050

*(Please describe the appropriateness of applicant’s image of society in 2050 society image described in Form 1, which is expected to be brushed up through this program as a new Moonshot Goal (hereinafter referred to as MS Goal) candidate, in line with MS Goal criteria of "Inspiring" and "Imaginative" explained below.)*

* 1. Reasons why applicant’s image of society in 2050 is ‘Inspiring’

*(MS Goal Criteria <Inspiring>*

* + - *Purpose and urgency are clearly understandable*
    - *Fully original and difficult to realize but has strong impact on our future society and industries*
    - *Sharable values with citizens of Japan and the world*
    - *Intellects brought together from all over the world for securing national interests and industrial competitiveness)*
  1. Reasons why applicant's image of society in 2050 is 'Imaginative'

*(MS Goal Criteria <Imaginative>*

* + - *Innovative and radical change of our future societal system*
    - *Clear image of our future direction)*

1. Components
   1. Investigation method for examining new MS Goal candidate from image of society in 2050

*(Please explain how to examine, brush up and specify new MS Goal candidate from image of society in 2050. Please describe specifically with explanation of innovativeness of angles of team leader and sub leader so that the panel members with various expertise can understand its values. As for setting up the international workshops, etc. with the aims to gather wisdoms from all over the world and integrate various ideas, please explain what format and for which people are to be expected for such opinion exchanging.))*

* 1. Investigation method for social impact and its foundations when realizing the image of society in 2050

*(Please explain how to investigate for clarifying the necessity of efforts to realize the proposing image of society in 2050 and the expected ripple effects on the industry and society as the result of these efforts. Please describe specifically with explanation of innovativeness of angles of team leader and sub leader so that the panel members with various expertise can understand its values.)*

* 1. Investigation method for scenarios and R&D themes towards the realization of image of society in 2050

*(Based on (2), please describe how to clarify specific goals for 2030 by backcasting from the image of society in 2050, and how to clarify focusing R&D themes in 2030 as well as relevant R&D trends. Also please describe what kind of investigation is being conducted to clarify the scenario from the achievement of goal in 2030 to the achievement of the MS Goal in 2050. As for setting up the international workshops, etc. with the aims to gather wisdoms from all over the world and integrate various ideas, please explain what format and for which people are to be expected for such opinion exchanging.)*

* 1. Investigation method for feasibility of realizing image of society in 2050 and its foundations

*(In the context of the ‘Credible’ (see below) as the criteria to establish MS Goal, please explain how to clarify the scientific feasibility and verifiable achievement criteria of the proposing image of society in 2050. Please describe specifically with explanation of innovativeness of angles of team leader and sub leader so that the panel members with various expertise can understand its values.)*

*(MS Goal Criteria <Credible>*

* + - *Not only ambitious but also scientifically feasible, with multiple realizable technological ideas*
    - *Validity of progress towards MS goals*
    - *Consistency with relevant strategies and policies)*

*(Moreover, when making an Investigation Research Report based on the investigation results, please describe specifically how to organize it and make it appealing toward the determination of the MS Goal, including the unique ideas of team leader and sub-leader. please refer to the ‘Section 3.4 Investigation Research Deliverables’ in an Application Guideline for the items of an Investigation Research Report.)*

* 1. Background and necessity of team formation

*(Please describe the background of connection among team leader, sub-leader and team members and necessity of these personnel to form this team. In addition, please describe what significance team leader and sub leader can bring to the careers of youths of team members through their participation in this program. If team members are not decided at the time of the application, please describe the requirements for team members at this point.)*

* 1. Secondary effects of this investigation research

*(In the process of conducting this investigation research, what new effects and results are expected to be brought to the communities, in which team leader, sub-leader and team members are related. Regarding the secondary effects of this investigation research, please envision the investigation process described in (1) and (2) and describe the idea while listing up specific communities.)*

**[Form 3] Terminology**

* *Please complete Form 3 in 1 page (no exceptions) of A4 paper/US Letter sizes. Change of font-size is accepted in this Form.*
* *-Please explain the terminology so that the panel members with various expertise can understand the contents of this proposal. Please use the charts (use of colors is acceptable) if necessary.*
* *for the evaluators in various specialized fields to understand the research content. You can also add a chart (colorable) if necessary.*

**[Form 4] Work Experience and Major Achievements**

* *Change of font-size is accepted with no limit to the number of pages for this form.*
* *Please describe the work experience and major achievements of team leader, sub leader and team members. When referring to the research papers or books as achievements, please explain not only the bibliographic information but also the contents of the article in an easy-to-understand manner. For team members, please also mention their respective roles in this team. If you have more than 4 team members, please copy and paste necessary section of this form.*

1. Team Leader
   * Name:
   * Title, Affiliation:
   * Work Experience:
   * Major Achievements:
2. Sub Leader
   * Name:
   * Title, Affiliation:
   * Role in the team:
   * Work Experience
   * Major Achievements
3. Team Member 1
   * Name:
   * Title, Affiliation:
   * Role in the team
   * Work Experience
   * Major Achievements
4. Team Member 2
   * Name:
   * Title, Affiliation:
   * Role in the team
   * Work Experience
   * Major Achievements
5. Team Member 3
   * Name:
   * Title, Affiliation:
   * Role in the team
   * Work Experience
   * Major Achievements

**[Form 5] Application Status and Receiving of Other Research Funds**

* *Change of font-size is accepted with no limit to the number of pages for this form.*
* *Please describe the current application status, plans for applications for the competitive funds and other funds (including from private foundations/overseas institutions) of team leader, with the name of the program, implementation period, role, and the amount of receiving funds.*
* *Please refer to the ‘Section 4.2 Measures against Unreasonable Duplication and Excessive Concentration’ in the Application Guideline.*
* *If contents described here is incorrect, the adoption may be canceled at a later date.*
* *If there are any changes to the contents of this form, such as whether or not the research funds that are currently being applied or will be applied are being selected during the selection of this proposal, please amend this form and send it to us by e-mail indicated at the end of the Application Guideline.*
* *If you are selected for an interview, you may be required to share your proposals, etc. to other funding programs.*
* *Please add the columns below as needed.*
* Team Leader: *(full name)*

(1) The research fund you have applied for

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title of the fund system/research fund (research period/name of the organization providing the fund) | Title of the  project  (Name of the representative) | Role  (Classification of representative, Co-principal investigator, etc.) | Cost in the fiscal year 2020\*1  (Amount for the whole period) | Relationships and differences with this proposal\*2 |
| [This proposal]  Moonshot R&D -MILLENNIA Program |  | Team Leader |  |  |
| *(JSPS Fund Program A)* | *(The Name of the project to be involved in as Performer*  *(PM’s Name))* | *(Co-researcher)* | *(XXX,XXX JPY*  *(total YYY,YYY JPY))* | *(ZZZZZZZ)* |

(2) The research funds to be received

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title of the fund system/research fund (research period/name of the organization providing the fund) | Title of the  project  (Name of the representative) | Role  (Classification of representative, Co-principal investigator, etc.) | Cost in the fiscal year 2020\*1  (Amount for the whole period) | Relationships and differences with this proposal\*2 |
| *(JST Strategic Basic Research Program - CREST*  *October 2019 – March 2024)(* | *(The highly functional application of xx by yy*  *(xxxx))* | *(Co-Principal Investigator)* | *(140,000*  *thousand yen (x.xx billion yen in total))* | *(EEEEEEE)* |

\*1 Please write down the direct cost

\*2 if you have not applied to any programs other than Moonshot R&D – MILLENNIA Program, filling in this column is unnecessary.

**[Form 6] Information on Conflicts of Interest (COI)**

* *Please complete Form 6 in 1 page (no exceptions) of A4 paper/US Letter sizes. Change of font-size is accepted in this Form.*
* The status whether JST invests in the organization to which the team leader belongs

Yes No

* *Please refer to the ‘Section 2.8.2 Managing Conflicts of Interest (COI)’ in the Application Guideline’ and indicate whether the organization to which the team leader belongs is a JST-invested company or not.*
* *Please refer to the following website for a list of JST-invested companies. The company that JST has completed the investment is not subject to the conflicts of interest management and does not need to be declared.* [*https://www.jst.go.jp/entre/result.html#M01*](https://www.jst.go.jp/entre/result.html#M01)
* *The base date for filing is the start date for call for proposals of this MILLENNIA Program. Please declare the companies whose investment from JST has been announced as of that date. Companies that have not yet announced their investment, such as those who have already decided to invest, do not need to declare because of confidentiality within JST. Please refer to the following website for JST investment announcement.*

[*https://www.jst.go.jp/entre/news.html*](https://www.jst.go.jp/entre/news.html)

* Information on COI with Visionary Leaders
  1. The status whether there is COI between team leader *(full name)* and Visionary Leader(s)

Yes No

If yes, please specify:

* 1. The status whether there is COI between sub leader *(full name)* and Visionary Leader(s)

Yes No

If yes, please specify:

* *Please select whether there is COI between team leader or sub leader and visionary leader(s). If ‘Yes’, please state the details. Visionary leader(s) who have COI with team leader/sub leader will not be involved in such screening process for fair and transparent evaluation.*
* *Managing COI of those involved in screening.*
  + *A person who is in kinship with Visionary Leader(s)*
  + *A person who belongs to the same department or has the same specialization at a research institution, such as a university or national institution or belongs to the same company with Visionary Leader(s)*
  + *A person who conducts a joint research closely with Visionary Leader(s) (For example, a person performing a joint project or writing a co-authored research paper, a research member having the same purpose, or a joint researcher pursuing the proposer's research project who is considered to belong to a research group substantially the same as that of the proposer)*
  + *A person who had a close teacher-and-student relationship or a direct employment relationship with Visionary Leader(s)*
  + *A person who is in an academic competition with the research projects of Visionary Leader(s) or belongs to a company in a competitive relationship in the market.*
* *If the team leader or sub-leader does not make a report to JST and COI is confirmed with Visionary Leader(s), unless JST finds an appropriate reason, JST may take measures to reject its proposal or discontinue its project.*
* Place to conduct this investigation research (organization that JST concludes the research agreement)

*(Please chose one)*

□ Organization where team leader currently belongs (Name of Organization: )

□ Organization where sub leader currently belongs (Name of Organization: )

□ Other organization (Name of Organization: )

* *In principle, JST concludes a research agreement and disburses research funds to organization which team leader belongs. If the team leader belongs to an overseas organization, an agreement will be concluded with Japanese organization to which sub leader belongs. If organization is a university, please state not only the name of university but also the department name.*