**Korea-US Collaboration Research Proposal 2024**

# Cover Page (Master plan)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Title of Project (in Korean)** | |  | | | |
| **Title of Project (in English)** | |  | | | |
| **Principal Investigator (Korea)** | Name |  | Job title | |  |
| Organization |  | | | |
| Department |  | Contact information | Tel. |  |
| Division |  | E-mail |  |
| **Principal Investigator (US)** | Name |  | Job title | |  |
| Organization |  | | | |
| Department |  | Contact information | Tel. |  |
| Division |  | E-mail |  |
| **Collaborative Investigator (Korea and/or US)** | Name |  | Job title | |  |
| Organization |  | | | |
| Department |  | Contact information | Tel. |  |
| Division |  | E-mail |  |
| ***※ Add/delete rows as necessary.***  We hereby submit this Research and Development Plan with the intent of executing this R&D project in good faith and in compliance with all pertinent laws, regulations, and obligations. Furthermore, we affirm the accuracy of the information contained within this Research and Development Plan. In the event that any information is found to be inaccurate or false, we willingly accept the consequences, including but not limited to the potential rescission of our R&D project selection or termination of this Agreement.  2024. 07. 00.  Principal Investigator: (Signature) | | | | | |

# Abstract

**(Non-confidential summary of the project, in lay terms)**

|  |
| --- |
| In a few simple and popular sentences, describe in English *(1 page max)*:   * + - 1. Why is this project necessary (what is the problem)?       2. Brief summary of the project, including the objectives, significance, specific aims and methods       3. What are the expected results?   \*\*Please remove the above sentence upon submission |

**Table of Contents**

|  |  |
| --- | --- |
|  | **Page Numbers** |
| I. RESEARCH PLAN------------------------------------------------------------------------------- |  |
| 1. Introduction---------------------------------------------------------------------------------- |  |
| 1. Final Goals and Details of the R&D project ----------------------------------------- |  |
| 1. Research Strategy ------------------------------------------------------------------------ |  |
| 1. Plan for Utilizing the R&D Outcomes ------------------------------------------------- |  |
|  |  |
| II. BIOGRAPHICAL SKETCHES (Biosketch)----------------------------------------------- |  |
|  |  |
| III. RESEARCH BUDGET PLAN---------------------------------------------------------------- |  |
|  |  |

# I. RESEARCH PLAN (20-page max)

*Font size 11, single line spacing, describe in English*

## **1. Introduction**

*Write down domestic/global landscape, issues and prospects related to the R&D project, rationale for the R&D*

## **2. Final Goals and Details of the R&D project**

**1) Final Goals***Write down qualitative or quantitative goals, such as knowledge, technology (or process) intended to be researched and developed.*

**2) Phase-Specific Goals of the R&D Project**

|  |  |  |
| --- | --- | --- |
| **Phase 1** | **1st year** |  |
| **2nd year** |  |
| **Phase 2** | **3rd year** |  |
| **4th year** |  |

**3) Details of the R&D Project**

*Write down the knowledge, technology, etc. to be researched and developed.*

## **3. Research Strategy**

**1) Strategy and Method of the R&D Project***Write down the R&D methodology (approach) such as deploying the technology, leveraging experts, utilizing R&D services, cooperation with other institutions.*

**2) Framework of the R&D Project***Describe the framework, organizations, procedures, etc., for conducting the R&D project in a diagrammatic representation.*

*Describe how the project will be managed and the interaction and synergy between all partners.*

*Describe the necessity of international joint research*

## **4. Plan for Utilizing the R&D Outcomes**

*Describe the implications of the R&D outcomes in scientific, technological, economic/industrial, and societal contexts.*

# II. BIOGRAPHICAL SKETCHES (Biosketch)

*Provide the following information for Korean PI and US and/or Korean Co-Investigators.*

*Follow this format for each person and add/delete rows as necessary.*

|  |
| --- |
| NAME: |
| POSITION TITLE:  EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*   | INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | Start Date  MM/YYYY | Completion Date  MM/YYYY | FIELD OF STUDY | | --- | --- | --- | --- | --- | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  |   **A. Positions, Scientific Appointments and Honors**  **B. Contributions to Science including representative, relevant publications**  **C. Research Support (ongoing and completed in the last 3 years)** |

|  |
| --- |
| NAME: |
| POSITION TITLE:  EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*   | INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | Start Date  MM/YYYY | Completion Date  MM/YYYY | FIELD OF STUDY | | --- | --- | --- | --- | --- | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  |   **A. Positions, Scientific Appointments and Honors**  **B. Contributions to Science including representative, relevant publications**  **C. Research Support (ongoing and completed in the last 3 years)** |

**III. RESEARCH BUDGET PLAN**

## **1. Korean Government-funded R&D expenses**

(in the unit of 1,000 KRW)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Organization** | **1st year** | | **2nd year** | | **3rd year** | | **4th year** | |
| **Direct costs** | **Indirect costs** | **Direct costs** | **Indirect costs** | **Direct costs** | **Indirect costs** | **Direct costs** | **Indirect costs** |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Total costs** |  |  |  |  |  |  |  |  |

## **2. Research resources, institutional support, and available expertise from the overseas institution such as equipment, materials, administrative and/or educational support, etc**