**中央研究院111年度「因應流行病研究計畫」計畫書**

**2022 Academia Sinica Infectious Diseases Research (IDR) Project Proposal**

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| 計畫類別Project Category | 🞏 1.個人型 Individual Project 🞏 2.單一整合型 Integrated Team Project🞏 3.多分支計畫整合型Multi-Components Team Project |
| 計畫名稱ProjectTitle | 中文： |
| English: |
| 計畫(總)主持人Project PI orProgram Director | 中文： | 職稱Position |  |
| English: | 申請單位Affiliation |  |
| 共同(分支)計畫主持人Project Co-PI(s) orComponentProject PI(s) | 中文 / English:1. | 職稱/單位Position/Affiliation |
| 2. |  |
| 3. |  |
| 4. |  |
| 計畫經費單位：新臺幣千元Total Budget Unit: thousand NTD | 第一年 Year 1: *e.g.* 20,000 千元 | 第二年 Year 2: |
| 第三年 Year 3: | 第四年 Year 4:  |
| 第五年Year 5 (可預估，視需求與表現於第4年再另核定):  |
| 計畫聯絡人ProjectContact Person |  | Email:  |
| Tel:  |
| 計畫關鍵詞Keywords | 中文：English: |

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**2022 Academia Sinica Infectious Diseases Research (IDR) Project Proposal**

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計畫名稱（中文）：

Project Title (English):

計畫(總)主持人Project PI or Program Director:

申請單位Affiliation:

計畫類別 Project Category:

子計畫名稱與主持人Include Titles and PIs of Component Projects, if applicable.

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**1. Executive Summary and Chinese Abstract**

Provide an Executive Summary for the proposed Infectious Disease Research Project in **one** page or less, highlighting how the work may **answer to the specified mission of rapid deployment solutions to emerging infectious diseases**, as outlined in the funding opportunity announcement and its deliverables.

In addition, provide a **Chinese Abstract** in less than 500 words.

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**2. Research Plan**

2.1 **The problem to be solved.** Define the problem in the emerging infectious disease area to be investigated, focusing on its relevance to the project mission and its importance from either fundamental and translational perspectives. Describe the state-of-the-art and identify the current bottleneck. *(about half a page recommended)*

2.2 **The innovative ideas proposed.** Define the specific aims of the project. Specifically highlight the innovative approach(es) you propose, including its rationale, originality, and scientific merit. *(about half a page recommended, to be elaborated later in Section 2.4)*

2.3 **The potential impact of the work.** Describe how the outcome of this project may impact the specified mission of rapid deployment solutions to emerging infectious diseases, if successful *(about half a page recommended)*.

2.4 **Plans to test the ideas.** Describe the research approaches in each specific aim. Identify the scientific or technical challenges, risks/difficulties, projected milestones and the timeline to accomplish them.

Also describe international competitiveness of your project and the expertise of the team you assembled. For team projects, provide a succinct description of how your research team is organized and how different components of the projects are coordinated; how the expertise of your co-PIs and collaborators is essential to this project and complements one another. Note that Supporting Letter(s) from collaborator(s) affirming individual commitment to the designated roles should be obtained and submitted together with this proposal.

*The total page limit for this section including references is* ***ten*** *pages for both individual and team projects, irrespective of how many component projects or co-PIs; by A4 size, 1 inch or 2.54 cm margins for all sides, single spaced, font: Times New Roman or Calibri, 11 point. Smaller font size 9 or 10 is allowed only for Figure legend and Bibliography.*

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**3. Budget and Other Resources Requested**

3.1 Use the Budget Table to prepare your itemized budget request. Briefly justify the budget allocated for each of the categories, including the intended number and level of research personnel to be employed, major equipment and consumable items requested, and any other aspects not apparent from the Table. Include also requests for residency lab space and access to core facilities at NBRP, if applicable.

3.2 For integrated team projects, briefly justify how the total budget requested will be distributed among the co-PIs and PIs. For multi-components team projects, provide a separate Budget Table and justification for each individual component projects, if maintaining separate accounts are desirable and more convenient for administrative purposes.

3.3 The funding ceiling per project is 20 M per year for 4+1 years, but the actual funding level and length will be commensurate to the project proposed. The 5th year funding will only be granted upon satisfactory performance.

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| --- | --- | --- | --- | --- | --- |
| 年度Year | 1 | 2 | 3 | 4 | 5 |
| 業務費Operating Expenses(A) | 教育訓練費Training | International |  |  |  |  |  |
| Domestic |  |  |  |  |  |
| Mainland China |  |  |  |  |  |
| 旅費Travel | International |  |  |  |  |  |
| Domestic |  |  |  |  |  |
| Mainland China |  |  |  |  |  |
| 臨時人員酬金Personnel Salary |  |  |  |  |  |
| 研究相關耗材費用Consumables |  |  |  |  |  |
| 業務費總額Total (A) |  |  |  |  |  |
| 機械(儀器)設備費Equipment(B) | 非資訊相關Non-Computer Item  |  |  |  |  |  |
| 資訊相關Computer-related Item |  |  |  |  |  |
| 設備費總額 Total (B)  |  |  |  |  |  |
| 獎補助費Graduate Student Stipend (C) |  |  |  |  |  |
| 總金額Total (T) = (A)+(B)+(C) |  |  |  |  |  |

\*單位：新臺幣千元 \*Unit: thousand NTD

*The Total Budget Plan (using Table above) and the descriptive justifications to be provided should not exceed* ***one*** *page, excluding additional budget Tables for component projects.*

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**4. Summary of Previous Research Accomplishments**

Summarize and highlight your previous research accomplishments in the last five years, paying particular attention to describing the respective outcome from each of the grant supports. Include the funding sources and grant number for all accomplishments described here. Do not include manuscripts in preparation or submitted.

簡述個人過去5年的具體學術表現與研究成果，請註明各項成果由哪些計畫(含院內外)的經費補助產出，並列出其計畫編號。

*The page limit for this section is* ***one*** *page for each PI and Co-PI(s).*

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**5. Biographical Sketch**

Each PI and co-PI should use the template provided in the next page to prepare their **Biographical Sketch**,which should include among others:

i) a **Personal Statement** - brief self-introduction of research path/career in 200-300 words;

ii) **Contributions to Science** - a summary of major research achievements by referring to selected key publications and other forms of contributions, their significance and impact;

iii) **Complete/Selected List of Recent Publications** - selected key publications can be combined with a more complete list of publications in the last 5 years, but keep to the total page limit

*This section including list of publications should not exceed* ***four*** *pages for each PI and co-PI of individual (component) Projects.*

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**BIOGRAPHICAL SKETCH**

**NAME:** 中文姓名**：**

**INSTITUTE/RESEARCH CENTER:**

**Current POSITION:**

**EDUCATION** (Begin with baccalaureate or other initial professional education)

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| --- | --- | --- | --- |
| **INSTITUTION AND LOCATION** | **DEGREE** | **DURATION**MM/YY-MM/YY | **FIELD OF STUDY** |
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**EMPLOYMENT** (Include postdoctoral training)

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| --- | --- | --- | --- |
| **INSTITUTION AND LOCATION** | **POSITION TITLE** | **DURATION**MM/YY-MM/YY | **FIELD OF STUDY** |
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1. **PERSONAL STATEMENT**

A brief self-introduction of research path/career, 200-300 words

1. **HONORS**

Include Professional distinctions and service, honors and selected speaking invitations

1. **CONTRIBUTIONS TO SCIENCE**

Summarize major research achievements and describe their significance and impact

1. **LIST OF PUBLISHED WORK**

Provide a complete or selected list of recent (last 5 years) publications to keep within the total 5-pages limit. Earlier key publications can also be provided here, or under item III above.

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Total should not exceed 4 pages

**6.** **List of Current and Pending Grant Support**

Please list any current and pending projects/proposals funded by Academia Sinica and external agencies in the last three years (from 2019-2021). Any incomplete information may adversely affect the consideration of this proposal. Please be reminded that applicants should not submit the same proposal to multiple funding sources at Academia Sinica and/or to external funding agencies at the same time.

請列舉近3年所執行或申請中之院內、外研究計畫及其相關資料，資訊不足者將影響審查。請勿以同一計畫書同時向本院不同計畫及院外補助機關提出申請補助。

主持人/共同主持人Principal Investigator/co-PI:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | (1) Funding Agency and Project Type補助單位及計畫類型: 中研院/科技部 個人型/整合型(2) Grant Title and number計畫名稱與編號 : ● Status計畫狀態: □ A. Current執行中 □ B. Pending申請中 ● Research Role計畫擔任角色: □ A. Project PI/Program Director 計畫(總)主持人  □ B. co-PI 計畫共同主持人 □ C. Subproject PI/co-PI分支計畫(共同)主持人(3) Project Period執行期間: \_\_\_\_\_\_(YYYY/MM) to \_\_\_\_\_\_(YYYY/MM)

|  |  |  |
| --- | --- | --- |
| Year 年度 | Total Project Amount 總研究經費 |  Individual Project Amount個人研究經費 |
|  |  |  |
|  |  |  |
|  |  |  |

(4) Funding Amount in thousands of NTD補助總額 (仟元) (5) Is there any relationship between this current or pending grant support and the one you are applying? 此計畫是否與本次申請計畫有相關？□ No □ Yes. (Please specify details請敘明其關聯性) |
| 2 | (1) Funding Agency and Project Type補助單位及計畫類型:(2) Grant Title and number計畫名稱與編號 : ● Status計畫狀態: □ A. Current執行中 □ B. Pending申請中 ● Research Role計畫擔任角色: □ A. Project PI/Program Director 計畫(總)主持人  □ B. co-PI 計畫共同主持人 □ C. Subproject PI/co-PI分支計畫(共同)主持人(3) Project Period執行期間: \_\_\_\_\_\_(YYYY/MM) to \_\_\_\_\_\_(YYYY/MM)

|  |  |  |
| --- | --- | --- |
| Year 年度 | Total Project Amount 總研究經費 |  Individual Project Amount個人研究經費 |
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(4) Funding Amount in thousands of NTD補助總額 (仟元) (5) Is there any relationship between this current or pending grant support and the one you are applying? 此計畫是否與本次申請計畫有相關？□ No □ Yes. (Please specify details請敘明其關聯性) |

*\*Extend this form as necessary to include all funding sources.*