**中央研究院111年度「任務導向生技研究計畫」計畫書**

**2022 Biotechnology Research Park Translational (BRPT) Project Proposal**

|  |  |  |  |
| --- | --- | --- | --- |
| 計畫名稱Project  Title | 中文： | | |
| English: | | |
| 計畫(總)主持人Project PI or  Program Director | 中文： | 職稱  Position |  |
| English: | 申請單位  Affiliation |  |
| 共同  計畫主持人  Project Co-PI  Sub-Project PI | 中文 / English:  1. | 職稱/單位Position/Affiliation | |
| 2. |  | |
| 3. |  | |
| 計畫經費  單位：新臺幣千元Total Budget  Unit: thousand NTD | 第一年 Year 1: *e.g.* 25,000 千元 | 第二年 Year 2: | |
| Matching:  *e.g.* 5,000千元  來源 Source: *e.g.* 所內業務費 | Matching:  來源 Source: | |
| 第三年 Year 3: | 第四、五年 (視前3年表現另核定)  Year 4, 5, contingent upon satisfactory performance | |
| Matching:  來源 Source: |
| 計畫聯絡人  Project  Contact Person |  | Email: | |
| Tel: | |
| 計畫關鍵詞  Keywords | 中文：  English: | | |

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**2022 Biotechnology Research Park Translational (BRPT) Project Proposal**

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計畫名稱 (中文)：

Project Title (English):

計畫主持人Project PI:

申請單位Affiliation:

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**1. Executive Summary and Chinese Abstract**

Provide an Executive Summary for the proposed Translational Project to be carried out in the National Biotechnology Research Park (NBRT) in **one** page or less, highlighting **the prospects for product commercialization and/or company spin-off in 3 years’ time**, and likely difficulties in achieving that goal.

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(s), focusing on its translational potential and importance. Describe the state-of-the-art and identify the current bottleneck. *(about half a page recommended)*

**2.2 The innovative ideas and milestones proposed.** Define the innovative ideas underlying the specific aims of the project, their scientific rationale and merits, intended milestones and paths to technology transfer and/or product commercialization in 3 years’ time *(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 local and global biotech industry, if successfully lead to technology transfer and/or commercialization *(about half a page recommended).*

**2.4 Plans to test the ideas.** Describe the ideas and research approaches, with any supportive prior findings or data, that would feasibly realize the translational potential. Identify the scientific or technical challenges, risks/difficulties, projected milestones and the timeline to accomplish them.

Also describe international competitiveness of your project, the expertise of the team you assembled, and any potential or ongoing collaboration with industry. Note that Supporting Letter(s) from collaborator(s) affirming individual commitment to the designated roles should be 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 Plan and Justification**

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, consumable items requested, and any other aspects not apparent from the Table. Also describe the total residency lab space needed and any intended access to core facilities at NBRP. Disclose all other matching public and private funding source, including support from host Institute/Research Center and industrial sponsorship, if available.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 年度Year | | | 1 | 2 | 3 | 4 | 5 |
| 業務費 (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) | |  |  |  |  |  |
| 獎補助費Graduate Student Stipend (B) | | |  |  |  |  |  |
| 申請總金額Total (T) = (A)+(B) | | |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 年度Year | 1 | 2 | 3 | 4 | 5 |
| 其他經費來源 Matching Funding Source: 中研院/科技部/其他 | | | | | |
| 業務費Operating Expenses |  |  |  |  |  |
| 設備費Equipment |  |  |  |  |  |
| 總額 Total |  |  |  |  |  |

\*單位：新臺幣千元 \*Unit: thousand NTD; 4th,5th year funding is subject to satisfactory performance

*The Total Budget Plan (using Table above) and the descriptive justifications to be provided should not exceed* ***one*** *page.*

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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)

|  |  |  |  |
| --- | --- | --- | --- |
| **INSTITUTION AND LOCATION** | **DEGREE** | **DURATION**  MM/YY-MM/YY | **FIELD OF STUDY** |
|  |  |  |  |
|  |  |  |  |
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|  |  |  |  |

**EMPLOYMENT** (Include postdoctoral training)

|  |  |  |  |
| --- | --- | --- | --- |
| **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 four-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:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_`

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | |  |  |  | |  |  |  | |  |  |  |   (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.*