**中央研究院110年度「生技研究園區轉譯計畫」計畫書**

**2021 Biotechnology Research Park Translational (BRPT) Project Proposal**

|  |  |  |  |
| --- | --- | --- | --- |
| 計畫名稱Project  Title | 中文： | | |
| English: | | |
| 計畫主持人  Project PI | 中文： | 職稱  Position |  |
| English: | 申請單位  Affiliation |  |
| 計畫  共同主持人  Project Co-PI(s) | 中文 / English:  1. | 職稱/單位Position/Affiliation | |
| 2. |  | |
| 3. |  | |
| 指導研究人員\*  Mentor\* | 中文 / English:  1.  2. | 職稱/單位Position/Affiliation | |
| 計畫經費  單位：新臺幣千元Total Budget  Unit: thousand NTD | 第一年 Year 1: | 第二年 Year 2: | |
| *e.g.* 5,000 千元 |  | |
| 第三年 Year 3: | (第四及五年 Year 4 & 5) | |
|  | 不予申請，視需求於第三年底再核 | |
| 計畫聯絡人  Project  Contact Person |  | Email: | |
| Tel: | |
| 計畫關鍵詞  Keywords | 中文：  English: | | |

\* 計畫主持人如為本院博士後研究學者，需有本院專任研究人員同意指導，支持該計畫之申請，並協助計畫經費統籌管理並核銷

\* A full time Academia Sinica Research Fellow (any rank) is required to serve as mentor and agree to oversee the grant administration and undersign all expenditure approval, if the PI is a Postdoctoral Research Scientist

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**2021 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 in the biomedical translational area to be investigated, focusing on its relevance to the project mission and its importance from translational perspectives. Describe the state-of-the-art and identify the current bottleneck. *(about half a page recommended)*

**2.2 The innovative ideas and milestones proposed.** Summarize the milestones of the project. Specifically highlight the innovative approach(es) you propose, including its rationale, originality, and scientific/technological/commercial 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 project may lead to a technology transfer or commercialization path. *(about half a page recommended)*

**2.4 Plans to achieve the milestones.** Describe the research approaches in each milestone. Identify the timeline of accomplishing them. Focus on the logic and scientific or technical challenges. Pay particular attention to how you intend to meet the imposed 3-years’ time period to establish a viable business plan.

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* ***five*** *pages, 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**

Use the Budget Table in the next page 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. Disclose all other matching public and private funding source, including support from host Institute/Research Center and industrial sponsorship, if available. You may self-design additional Table/Chart to present a breakdown of your available and requested support. Include also all requests for lab space and access to core facilities at NBRP.

*The Total Budget Plan and the descriptive justifications to be provided should not exceed* ***one*** *page.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 年度Year | | | 1 | 2 | 3 | Total |
| 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

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**4. Biographical Sketch and Summary of Research Accomplishments**

Each PI and co-PI should use the template provided in the next pageto 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) **Recent Accomplishments** - a summary of research accomplishments in the last five years, paying particular attention to describing the respective outcome from grant supports. Include the funding sources and grant number as listed in the publications for all accomplishments described here. Do not include manuscripts in preparation or submitted.

iv) **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 Biographical sketch, summary of research accomplishments and list of publications should not exceed* ***five*** *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

**IV. RECENT ACCOMPLISHMENTS** from Grant Support

Summarize the more recent research accomplishments (last 5 years) and credit them to grant supports where applicable

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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**5.** **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 2018-2020). 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.

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:  (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 計畫主持人  □ B. Program Director 總計畫主持人 □ C. Subproject PI分支計畫主持人  (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 project/proposal and the Grand Challenge Program for which 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 計畫主持人  □ B. Program Director 總計畫主持人 □ C. Subproject PI分支計畫主持人  (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 project/proposal and the Grand Challenge Program for which 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.*

**List of** **Recommended Reviewers**

Please read the Conflict of Interest Guidelines and provide a list of 5-8 reviewers with the expertise to review your application and submit this list as a separate file to the Grant Office. If necessary, provide also the names of individuals who should be excluded as reviewers due to Conflict of Interest.

|  |
| --- |
| **Conflict of Interest Guidelines**  1. A committee member or reviewer must decline to review the relevant application if they  1.1 Have, or have had, a personal relationship with the applicant.  1.2 Were a doctoral thesis supervisor of the applicant, or have supervised the applicant as a postdoctoral fellow.  1.3 Have published work in collaboration with the applicant within the last five years, especially as a primary co-author.  1.4 Have been involved in any situation considered as a Conflict of Interest with the applicant.  2. Committee members and reviewers should disclose to the Committee Chair, in advance, any of the following Conflicts of Interest. In addition, they must avoid giving scores or votes, and should withdraw from the meeting for as long as the application is being discussed.  2.1 A committee member or reviewer is working in the same Institute or Department as the applicant.  2.2 A committee member or reviewer was a Bachelor’s or Master’s thesis supervisor of the applicant.  2.3 A committee member or reviewer implements projects in collaboration with the applicant during the period of review.  2.4 A committee member or reviewer is involved in any situation considered as Conflict of Interest with the applicant. |

**1. Recommended Reviewers** (Please provide 5-8 reviewers)

|  |  |  |
| --- | --- | --- |
| 1 | Name | ○○○ |
| Organization / Department | ○○○ |
| Area(s) of Expertise | ○○○ |
| E-mail Address | ○○○ |
| Note | ○○○ |

**2. Please state, if necessary, the names who should be excluded as reviewers due to Conflict of Interest with the applicant.**

|  |  |  |
| --- | --- | --- |
| 1 | Name | ○○○ |
| Organization / Department | ○○○ |
| Area(s) of Expertise | ○○○ |
| E-mail Address | ○○○ |
| Note | ○○○ |

I acknowledge that I have read the Conflict of Interest Guidelines and I declare that none of the recommended reviewers are in conflict with the application or the applicant.

Signature: Date: