

2022 Academia Sinica
Funding Opportunity Announcement
Biotechnology Research Park Translation (BRPT) Project

Academia Sinica has established Biomedical Translational Research Center (BioTReC) within the National Biotechnology Research Park (NBRP) in 2019, with a mission to bridge the gap between fundamental research and industrial applications. As part of the effort to accomplish this mission, we announce this funding opportunity for translational research in biomedicine that leads to technology transfer.

This BRPT project calls for innovative ideas that leads to technology transfer in 3-5 years. Successful projects will be conducted at National Biotechnology Research Park (NBRP) and should contribute to the development of NBRP into a world-class biotech industrial research environment. Technology transfer-driven proposals for innovative translational research are requested to develop valuable findings of basic science into clinical and industrial applications, with an overall goal of enhancing the international competitiveness of Taiwan in biotechnology.

Funding period for each BRPT project is 3+2 years, with the last two years of funding determined by progress towards milestones. Researchers are required to actively seek technology transfer or other commercialization routes. Topics may include but are not limited to: cancer treatment, immunology, regenerative medicine, metabolic diseases, cardiovascular diseases, and diagnostics.

Preference will be given to those meeting the following criteria:

1. Plans and milestones for technology transfer or spinning-off a start-up company
2. Track record in technology transfer and collaboration with industry
3. Availability of matching fund for intended research project

1. Application Process

1.1 Eligibility

1. The Program/Project PI must be an Academia Sinica Research Fellow or Specialist of any rank. An investigator can only submit one new application as its PI but can additionally serve as co-PI in other concurrent applications.
2. BRPT Projects additionally allow Postdoctoral research scientist to serve as PI but must be supported by all current and previous mentors, with signed Supporting Letter(s) from each delineating their respective roles and ownership of the intended project. A mentor, who is a full time Academia Sinica Research Fellow, must also agree to oversee grant administration and undersign all expenditure approval.
3. PI can invite non-Academia Sinica scientists to participate in the project and serve as co-PI, if necessary.
4. Collaborators enlisted should be justified in the proposal and each is required to provide a Supporting Letter delineating their expertise and specific roles in the projects.

1.2 Deadlines and Important Reminder

1. Applicants should use the form provided ([Appendix 1](#)) to first submit a **Letter of Intent** by **May 3, 2021**, which includes a brief synopsis (≤ 250 words in English or ≤ 500 words in Chinese) of the intended research, the mission-oriented problem to be addressed, and names of suggested potential reviewers. The Letter of Intent will not be used for screening nor will it be subject to review. It serves only to facilitate the administrative aspects of the grant review

process.

2. Application deadline is **17:00, June 1, 2021**. Proposals should be written in English, adhering to the guidelines and format specified within the document template provided ([Appendix 2](#)), with a Research Plan describing the following four major sections: 1) **the problem to be solved**, 2) **the innovative ideas and milestones proposed**, 3) **the potential impact of the work**, and 4) **plans to test the ideas**.
 3. In preparing the proposals, applicants should keep in mind the main reviewing criteria for BRPT Projects are based on **potentials in realizing the technology transfer and commercialization milestones**. Applicants are advised to read the **Review Criteria** ([Appendix 3](#), also available online) before starting to write their proposals.
 4. Selected proposals will be provided financial support and lab space at NBRP, upon request.
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2. Funding Period and other Requirements

1. Funding period for each BRPT project is 3 years, but can be extended to 5 years if necessary and upon satisfactory performance.
 2. Oral presentation and pitching, if required during the review process, will be arranged and notified in advance.
 3. Grant Acceptance and Requirements prior to Project Execution
 - i) Project PI and co-PI(s) of a successful grant application must sign and undertake to abide by the terms as stipulated in the respective Project Execution Agreement, and complete the Conflict of Interest declaration process, prior to commencing the project;
 - ii) Relevant approval from the authorized AS committees must be obtained before commencing any project involving biological and/or genetically engineered materials, animal experiments or human subjects;
 - iii) In accordance with the AS Research Ethics regulations, all personnel who directly perform any AS-funded research activity should receive at least one hour of research ethics training every three years. Such training must be completed within six months of joining the research project, or within the duration of the project for a project lasting less than six months;
 - iv) Project PI found to have violated research ethics will be subject to recommended actions by the AS Ethics Committee.
 4. The progress report towards product commercialization will be evaluated yearly and used as a basis to determine continuing funding support for the intended 3-years' incubation residency at NBRP, which can be extended to a maximum of 5 years if necessary. Failure to demonstrate satisfactory progress will result in premature termination of support and unconditional withdrawal from NBRP residency.
 5. A final written report to the AS Department of Academic Affairs and Instrument Services is due upon completion of each project.
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3. Application Materials to be submitted

1. Use the form provided ([Appendix 1](#)) to submit a one-page **Letter of Intent** to the Grant Office by **May 3, 2021**.
2. Use the document template provided ([Appendix 2](#)) to prepare the **Full Proposal**, adhering to the format and rules specified within. All required information including research plan, budget

request and justification, supporting letters, biographical sketch, recent research accomplishments, and a list of current and pending grant supports, should be organized into one PDF file and submitted as email attachment or through cloud-based service to the Grant Office, before the submission deadline: **17:00, June 1, 2021**. Name the submitted files as "BRPT-PI English name", *e.g.* BRPT -ChenXX refers to a BRPT Proposal submitted by PI ChenXX.

3. A confirmation acknowledgement email will be sent upon receipt and content verification of the submitted proposal. It can be used as proof of submission. Incomplete applications will not be considered.

4. Grant Office contact information:

Email: biomedgrant@gate.sinica.edu.tw
c/o Dr. Yuan-Chen Chang (Tel: 2787-2614)
Department of Academic Affairs and Instrument Service

申請 中央研究院111年度「任務導向生技研究計畫」簡要中文說明

壹、計畫申請作業

一、申請人資格

- (一) 研究計畫之(總)主持人需為本院專任助研究員或研究助技師(含)以上。同一主持人限申請1件計畫。
- (二) 「任務導向生技研究計畫」另允許本院博士後研究人員申請並擔任主持人，但於申請時需檢附其歷任指導之本院專任研究人員同意說明信函 (supporting letter) (每位歷任指導研究人員簽署1份)，支持該計畫之申請，並由其中1位與此計畫相關之本院專任研究人員協助計畫經費統籌管理及核銷。
- (三) 計畫主持人可邀請非本院專家學者參與研究團隊，擔任該計畫共同主持人。
- (四) 若因執行計畫另需邀請協同參與或合作研究人員，計畫主持人可於申請書說明其必要性，並檢附該協同參與或合作研究人員同意提供協助與支持該計畫或合作意願之說明信函 (supporting letter)。

二、計畫申請時程與其他需注意事項：

- (一) 有意願申請者應於110年5月3日前先遞送計畫申請意願書，以利安排審查作業，格式請見附件1。
- (二) 申請時程為即日起至110年6月1日 17:00止，計畫書應以英文撰寫，格式請見附件2。
- (三) 「任務導向生技研究計畫」之審查以能[及時達成計畫徵求所列之任務導向目標及優先考量條件為評審基準](#)，敬請參酌本徵求的[英文版說明](#)，及[審查基準英文說明 \(附件 3\)](#)。
- (四) 經審查通過之計畫，可進駐國家生技研究園區執行，其經費補助、進駐空間和執行時程等依個別計畫核定之。

貳、計畫補助年限與執行前需求

- 一、 計畫執行期程原則上3年，視計畫研發之需求及研究進度可申請延長2年的執行期限。
- 二、 審查過程如需申請團隊口頭報告或說明之會議安排等事宜將另行通知。
- 三、 核定後執行前須知
 - (一) 經核定通過之總主持人及共同計畫主持人須簽署相關計畫執行同意書，並於計畫執行前完成利益揭露程序；
 - (二) 核定通過之研究計畫，涉及生物材料及基因重組相關實驗、動物實驗及以人為研究對象者，應檢附經相關委員會核准之同意函，方可開始執行該計畫；
 - (三) 依據「中央研究院學術研究倫理教育課程實施要點」，執行以本院預算支應之研究計

畫者，參與計畫人員每3年應接受至少1小時之學術倫理教育課程訓練，至遲應於開始參與研究計畫之日起6個月內完成；研究計畫執行期限少於6個月者，應於計畫執行期限內完成；

(四) 計畫主持人如涉有違反學術倫理之情事者，依「中央研究院各級倫理委員會設置及作業要點」處理。

四、「任務導向生技研究計畫」每年得針對進駐計畫進行商業化績效評估，考評結果作為持續進駐之評估依據，審查未獲通過之計畫，應無條件離駐。

五、計畫執行期滿，須向學術處提交完整執行成果報告。

參、申請資料

一、申請意願書，請依格式(附件1)填妥簡要資料後，於110年5月3日前以電子郵件寄至計畫辦公室。

二、申請計畫書，請依規定計畫書格式(附件2)備妥所需資料，含研究規劃、經費需求與說明、計畫支持說明信函、主持人與共同主持人個人履歷、近期研究成果，目前正執行與申請中之計畫件數及經費補助情形等，合併成一完整PDF電子檔，於110年6月1日17:00前，以電子郵件或雲端分享方式傳達計畫辦公室。檔名請命名為“BRPT- PI 英文姓名”；例如 BRPT-ChenXX 為陳姓主持人申請之「任務導向生技研究計畫」。

三、承辦人於收到完整無誤的計畫書後，將回信確認，此回覆信函可當收件之存證。

四、學術及儀器事務處 計畫辦公室 承辦人聯絡方式：

biomedgrant@gate.sinica.edu.tw

張元貞博士，電話：2787-2614
