2026 Academia Sinica Funding Opportunity Announcement

Biotechnology Research and Translation Program (BRTP)

The Academia Sinica **Biotechnology Research and Translation Program** (BRTP) is established to support research projects focused on the biotechnology development to address unmet medical need, particularly in preclinical research and development and prototype validation. Funding period for each project is 3+2 years, with the last two years of funding determined by progress towards milestones.

Research topics may include, but are not limited to, cancer treatment, immunology, regenerative medicine, metabolic diseases, cardiovascular diseases, and diagnostics. Projects are expected to demonstrate clearly defined goals, realistic milestones, and strong translational potential. Preference will be given to those meeting the following criteria:

1. Potential high social impact by addressing unmet medical needs.
2. Clear and robust scientific evidence demonstrating, at least, the disease mechanism, mode of action (MoA) and *in vitro* and/or *vivo* activities of proposed drug hits or medical device prototypes.
3. Clearly defined plans and milestones for technology transfer or spinning-off a start-up company. (optional)

---

1. Application Process

1.1 Eligibility

1. The Principal Investigator (PI) of an individual BRTP Project 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. BRTP Projects additionally allow a research associate with a PhD degree (currently employed by AS), including a postdoctoral fellow, to serve as PI but must be supported by a current mentor, with a signed Supporting Letter, delineating their respective role 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 Reminders**

1. Applicants are required to submit a **Pre-proposal** by **June 2, 2025**. The Project PI needs to log into the online application system at https://asms.sinica.edu.tw using the PI's SSO account and follow the steps as instructed. The Pre-proposal should include a concise description of the translational problem to be addressed, the intended research plan, its innovation, projected timeline and milestones, in less than three A4 pages. This will be subjected to rigorous review, and only applicants who successfully pass the vetting process will be formally invited to submit a Full Proposal.
2. The deadline for submitting a **Full Proposal** is **July 21, 2025**. Proposals should be written in English, adhering to the guidelines and format specified within the document template provided (Appendix 1 and 3), with a Research Plan describing the following four major sections: 1) **the problem to be solved**, 2) **the innovative invention and milestones proposed**, 3) **the potential impact of the work**, and 4) **plans to develop the technology**.
3. In preparing the Pre-proposal and Full Proposal proposals, applicants should keep in mind that the main reviewing criteria for BRTP Projects are based on **potential in realizing the**

technology transfer and commercialization milestones. Applicants are advised to read the **Review Criteria** (Appendix 2) before starting to write their proposals.

4. Any research project involving biological and/or genetically engineered materials, animal experiments or human subjects must obtain approval from the appropriate authorized AS committees. If the official approval document cannot be submitted at the time of grant application, proof of having applied for approval must be provided instead.
5. Please note that, in accordance with the regulations of Academia Sinica (Lett No. 1111401198, dated September 19, 2022), "Research staff (including research technical personnel) shall not engage in research related to the scope of a subject matter of technologies that have been exclusively licensed with the use of funds from the public sector."
6. Academia Sinica encourages researchers to learn various new tools, including advanced AI-driven applications, to enhance research quality, ensure thorough considerations of supporting background information, and improve work efficiency. However, the responsibility for the accuracy of all content, writing quality, and adherence to academic research integrity standards rests solely with the applicant.

---

2. Funding Period and other Requirements

2.1 Funding period for each BRTP project is 3 years and can be extended to a maximum of 5 years if necessary and upon satisfactory performance. The project may be provisionally funded for 2 years to obtain key results. Application for third year funding can be made within the first 18 months by submitting a progress report for competitive review.

2.2 Actual funding may be adjusted on a yearly basis based on budget availability and progress. Failure to demonstrate satisfactory progress will result in premature termination of funding support.

2.3 Oral presentation and pitching, if required during the review process, will be arranged and notified in advance.

2.4 Grant **Acceptance** and **Requirements** prior to Project Execution

1. Project PI and co-PI(s) of a successful grant application must sign and abide by the terms as stipulated in the Project Execution Agreement, and complete the Conflict of Interest declaration process, prior to commencing the project.
2. Approval from the authorized AS committees must be obtained and submitted before commencing any project involving biological and/or genetically engineered materials, animal experiments or human subjects. Should there be any change in the experimental content or subject matter during the project period, appropriate amendment or new application must be filed for approval.
3. 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.
4. In cases where an AS Project PI (inclusive of Project co-PI) or a non-AS project participant is found to be in violation of academic ethics or conflict of interest regulations, the "Code of Ethics for Academia Sinica Research Fellows and Research Specialists" will apply.
5. Project PI must declare that the research content of this project including the research, development, production of products or services, does not entail the use of anything within the scope of any technology under exclusive licensing or patented technology of AS. The scope of the intellectual property right that might derive from the research in this proposal falls beyond the scope of any exclusive licensed technology or related patents.

2.5 Selected proposals will be provided financial support and lab space at BioTReC, upon request.

2.6 A final written report to the AS Department of Academic Affairs and Instrument Services is due in 3 months upon completion of each project.

---

3. Application Materials to be submitted

The applicant should first maintain and update the personal information of the PI by logging into the online application system at https://asms.sinica.edu.tw using the PI's SSO account, and then complete the following processes:

1. Submit a **Pre-proposal** by **June 2, 2025** (by 17:00 Taiwan Time) through the online application system.
2. Submit the **Full Proposal**, if invited, by **July 21, 2025** (by 17:00 Taiwan Time). Items to be completed online include the project category, title, keywords, Chinese Abstract, Executive Summary, Budget & Justification, PIs' Current and Pending Support. Use the document template provided (Appendix 1 and 3) to prepare the **Full Research Proposal, other required PIs' information and Supplementary Information**, adhering to the format and rules specified within. These documents should then be uploaded as individual PDF electronic files via the online system, respectively.
3. Grant Office contact information:
   Email: biomedgrant@gate.sinica.edu.tw
   c/o Ms. Yuan-Chen Chang (Tel: 2787-2614)
   Department of Academic Affairs and Instrument Service

中央研究院115年度「任務導向生技研究計畫」徵求公告

壹、計畫申請作業

一、 申請人資格

(一) 本計畫為個人型研究計畫，計畫主持人須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) 本計畫另允許本院博士級研究人員（含博後學者）申請擔任主持人，但於申請時應檢附現任指導研究員（本院專任研究員）同意說明信函（supporting letter），支持該計畫之申請，並協助計畫經費統籌管理與核銷。

(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**114年6月2日**前至本院學術服務管理系統(https://asms.sinica.edu.tw，以 SSO 帳號登入)依所敘明之步驟，填寫計畫相關資料，並上傳計畫構想書，完成計畫構想書線上申請。

(二) 經初審通過者，通知撰寫計畫書，申請人於**114年7月21日前**至本院學術服務管理系統完成計畫書送件。計畫書及補充資料應以英文撰寫，格式請見附件1與附件3。

(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，請參酌本徵求的英文版說明，及審查基準英文說明（附件2）。經審查通過之計畫，其經費補助和執行時程等依個別計畫核定之。

(四) 研究計畫中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，應檢附相關委員會之核准文件。核准文件未能於申請時提交者，須先提交已送審之證明文件，並於計畫審核通過前補齊核准文件。

(五) 依據本院111年9月19日學術字第1111401198號書函規定「本院研發成果已完成專屬授權者，研究人員（含研究技術人員）不得再以公部門經費從事涉及該專屬授權標的範圍之研究」。

(六) 本院鼓勵研究人員學習各種新的工具，包含各式人工智慧的應用，藉此提升研究品質、確保背景資料的周全性，及改善工作效率。惟所有計畫內容的正確性，撰寫品質，和遵守學術倫理規範的責任均由申請人全權承擔。

貳、計畫補助年限與執行前需求

一、 計畫期程原則為3年，計畫執行期滿，得視計畫研發之需求及進度申請延長2年的執行期限。新核定計畫暫先核給2年計畫補助經費，計畫主持人應於執行18個月內，依核定時之規定以研發成果提出申請繼續執行第3年計畫。

二、 每年實際核定經費將視當年之預算金額及前一年之執行進度而定，審查未獲通過之計畫，應無條件終止計畫。

三、 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。

四、 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，若有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，應於提供相關委員會之核准文件後，方可核撥經費。如相關實驗內容於執行期間有所變更，亦須重新申請或修訂審核同意文件。

(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) 本院計畫主持人（含共同主持人）如涉有違反學術倫理或利益衝突規範之情事者，依本院研究人員及研究技術人員倫理規約辦理；院外參與計畫人員準用前述規約辦理。

(五) 計畫主持人應聲明本計畫研究內容沒有利用本院已專屬授權技術或相關專利之範圍，進行研發、生產產品或服務；計畫研究所產生之智慧財產權範圍不屬於已專屬授權技術或相關專利之範圍。

五、 經審查通過之計畫，執行期間可視需求申請生醫轉譯研究中心之實驗空間。

六、 計畫執行期滿，須於3個月內向學術處提交完整執行成果報告。

參、申請資料

申請者應先於本院學術服務管理系統（https://asms.sinica.edu.tw，以SSO帳號登入），線上維護及更新計畫主持人之個人履歷，再進行下列申請：

一、 **申請計畫構想書**，應於**114年6月2日(台灣時間下午五點)**前至上述系統填寫及上傳相關資料，以利安排審查作業。

二、 **申請計畫書**，經初審通過者應於**114年7月21日(台灣時間下午五點)**前完成線上申請。申請者應填妥申請資料，含計畫類別、名稱、關鍵字、摘要、經費需求與說明，及目前執行與申請中計畫等資料。完整計畫書、其它必要的計畫主持人資訊及補充資料，請依提供的文件範本（附件1與附件3）所規定之格式撰寫備齊後，分別轉存為PDF電子檔於線上系統上傳。

三、 學術及儀器事務處 計畫辦公室 與承辦人聯絡方式：

biomedgrant@gate.sinica.edu.tw

承辦人：張元貞女士，電話：2787-2614
