2024 Academia Sinica Funding Opportunity Announcement
Career Development Award

The Academia Sinica **Career Development Award (CDA)** provides funding incentives of up to 5M NTD per year for 5 years to outstanding junior and newly recruited investigators to tackle important scientific or societal problems with innovative ideas and original thinking, and to develop their research career out of that pursue.

Qualified and interested Investigators are requested to submit a proposal that would clearly describe i) the **specific problem to be solved**, ii) the **innovative ideas and approaches to be taken**, iii) the **impact of the work** if the goals are realized, and iv) the overall **plans to test the ideas**, its feasibility, scientific or technical challenges, potential risks and key deliverables, along with any alternative plans to de-risk. The applications will be critically reviewed based on these criteria, and the applicants are advised to prepare the proposal accordingly.

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1. Application Process

1.1 **Eligibility** and **Matching Fund**

Application for the CDA is by referral. The applicant must be an Academia Sinica full-time Assistant Research Fellow, or a newly recruited, non-tenured Associate Research Fellow, nominated by the Director and approved by their respective home Institute or Research Center.

If successful, the home Institute or Research Center should provide a matching fund equivalent to 50% of the total funding.

1.2 **Deadlines** and **Important Reminders**

1. Application deadline is **May 2, 2023**; Proposals from Division of Life Sciences and Division of Mathematics and Physical Sciences should be written in English, adhering to the guidelines and format specified within the document template provided (Appendix 1), with a Research Plan describing the following four major aspects: 1) **the problem to be solved**, 2) the **innovative ideas proposed**, 3) **the potential impact of the work**, and 4) **plans to test the ideas**. Proposals from Division of Humanities and Social Sciences can be written in alternative language befitting its professional field.

2. In preparing the proposals, applicants should keep in mind the following review criteria: i) **the significance of the problem to be addressed,** ii) **the degree of innovation,** iii) **the extent of anticipated impact**, and iv) **the feasibility of the research plan.** The project should also be deemed internationally competitive by the reviewers. Furthermore, successful applicants should have relevant expertise, will devote sufficient effort to the project, and be committed to develop the project into a major component of their career.

   Applicants are advised to read the Review Criteria (Appendix 2, also available online) before starting to write their proposals.

3. Use the form provided (Appendix 3) to **submit a Letter of Intent by March 31, 2023** (via email to: cda@gate.sinica.edu.tw), which includes a brief synopsis (≤250 words in English or ≤500 words in Chinese) of the intended research and scientific/societal 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.

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.

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2. Funding Period and other Requirements

2.1 Proposals should be written with a **five-year** vision and goals. The actual funding may be adjusted on a yearly basis based on budget availability and progress.

2.2. Grant **Acceptance** and **Requirements** prior to Project Execution

1. The PI of a successful 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. PIs found to have violated research ethics will be subject to actions recommended by the AS Ethics Committee.

2.3 **Reports** and **Evaluation**

1. A brief written progress summary of the previous year must be submitted yearly in February for review.

2. 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 3) to submit a **Letter of Intent** by email to the CDA Grant Office by **March 31, 2023**.

2. Complete the online application process by May 2, 2023. Log into the online application system at https://asms.sinica.edu.tw using the PI's SSO account and follow through the steps as instructed. Applicant should first maintain and update the personal data of the PI and co-

PI(s), then fill in online the required basic information including the project category, title, the budget requested, executive summary, and keywords. Use the document template provided (Appendix 1) to prepare the **Full Proposal**, adhering to the format and rules specified within. Each of the required items including research plan, supporting letter, recent research accomplishments, and personal track record with a list of current and pending grant support, should be uploaded as **ONE** PDF electronic file via the online system.

3. Upon completion of the online application process, an automatic confirmation email will be generated and sent by the system to acknowledge receipt, which can be used as proof of submission.

4. To complete the application process, three bound hard copies of the Full Proposal along with reprints of 3 representative publications in double-sided printing, the **Letter of Referral** (template provided in Appendix 4) and **Minutes** of the Institute or Research Center Meeting documenting its approval, must be submitted through the administrative process of the Institute or Research Center to the Department of Academic Affairs and Instrument Service, by the next day, **May 3, 2023**. Incomplete applications will not be considered.

5. CDA Grant Office contact information:

Email: cda@gate.sinica.edu.tw
Department of Academic Affairs and Instrument Service

c/o Ms. Tseng (Tel: 2789-9386, chincheng@gate.sinica.edu.tw)
for Division of Mathematics and Physical Sciences;

Ms. Hsu (Tel: 2789-9351, cphsu@gate.sinica.edu.tw)
for Division of Life Sciences;

Ms. Chao (Tel: 2789-8067, bchao@gate.sinica.edu.tw)
for Division of Humanities and Social Sciences

申請 **中央研究院 113 年度「前瞻計畫」** 簡要中文說明

壹、計畫申請作業

一、申請人資格與配合款

本計畫採推薦制。申請人需為本院專任助研究員，或新聘之非長聘副研究員，由所屬研究所（處）、研究中心之主管推薦，並經該研究所（處）務會議、研究中心業務會議通過。

本計畫之研究經費應由所屬研究所（處）、研究中心分攤百分之五十。

二、計畫申請時程與其他注意事項：

(一) 申請時程為即日起至 112 年 5 月 2 日止，數理組及生命組之計畫書應以英文撰寫，格式請見 附件 1；人文組以該專業領域之國際學者熟悉的文字為主要考量。

(二) 撰寫計畫書時，應著眼於欲解決的關鍵議題之重要性、所提出的思維與方法之創新突破性，及研究成果對該領域的影響力。敬請參酌本徵求的英文版說明，及計畫審查基準英文說明 (附件 2)。

(三) 有意願申請者應於 112 年 3 月 31 日前以電子郵件寄送計畫申請意願書，含中英文摘要及建議審查委員名單等資料，以利安排審查作業，格式請見附件 3。

(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、計畫應以 5 年研究目標撰寫，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。

二、核定後執行前須知

(一) 經核定通過之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) 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。

(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。

三、執行進度與成果報告

(一) 計畫執行期間，每年 2 月須提交前一年之精簡進度摘要報告。

(二) 計畫執行期滿，須向學術及儀器事務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 3) 填妥簡要資料後，於 112 年 3 月 31 日前以電子郵件寄至「前瞻計畫」辦公室。

二、**申請計畫書**，請按照本院學術研究管理系統 (https://asms.sinica.edu.tw, 以 SSO 帳號登入) 所敘明之步驟，於 112 年 5 月 2 日前完成線上申請。申請者應先於線上維護及更新計畫主持人與共同主持人之個人履歷，並填妥計畫類別、名稱、經費需求、摘要、關鍵字等基本資料。計畫內容、支持說明信函、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，則依計畫書 (附件 1) 規定之格式撰寫後，轉存為一個 PDF 電子檔於線上系統上傳。

三、完成線上申請後，申請人將即時收到系統自動發送之確認回函，可作為收件之存證。

四、申請計畫書之書面資料及 3 件代表著作，需另雙面列印並裝訂成 1 冊 (請提供 1 式 3 份)，連同**推薦函** (格式如附件 4) 及**所務或中心業務會議紀錄**，於隔日 112 年 5 月 3 日，函送至學術及儀器事務處，完成本次申請程序。

五、學術及儀器事務處「前瞻計畫」辦公室電子郵件聯絡方式：cda@gate.sinica.edu.tw

承辦人：
數理組：曾小姐 (電話: 2789-9386, chincheng@gate.sinica.edu.tw)
生命組：徐小姐 (電話: 2789-9351, cphsu@gate.sinica.edu.tw)

人文社會組：趙小姐 (電話: 2789-8067, bchao@gate.sinica.edu.tw)
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