

中央研究院 112 年度「關鍵突破種子計畫」計畫書

2023 Academia Sinica Grand Challenge Program Seed Grant Application Form

1. Research Plan

Based on the summary statements above, elaborate further i) the **specific problem to be solved**, the state-of-the-art and the current bottleneck; ii) the **innovative ideas proposed**, the novel elements, to what extent is the approach innovative, and what are the closest ideas published by others to date; iii) the **potential impact of the work**, how it may lead to a breakthrough and transform the field if the project is successful; iv) **plans to test the ideas**, the specific aims and their respective research approaches, the scientific or technical challenges, potential risks and key deliverables, along with any alternative plans to de-risk. Also briefly describe the international competitiveness of your project, the organization and complementary expertise of the team you assembled (for integrated team project).

*This section including references is limited to **two** pages in total (1 inch or 2.54 cm margins for all sides, single spaced, font: Times New Roman or Calibri, 11 point).*

2. Personal Track Record (for PI and each co-PIs)

2.1 Summary of Previous Research Accomplishments

- (1) Summarize and highlight your previous research accomplishments in the **last five years**.
- (2) List all publications and other output resulting from recently completed (2021-2022) and current Academia Sinica Grant supports that have specifically acknowledged the AS funding source. Do not include manuscripts in preparation or submitted.

*Limit to **one** page for the descriptive item (i).*

2.2 Current and Pending Grant Support

List any current (ongoing) and pending projects/proposals funded by Academia Sinica and external agencies. Applicants must fully disclose if similar proposal has also been submitted to MoST or other funding agencies at the time of submitting this proposal to AS, with the extent of overlaps, amount and any cost-sharing item requested fully described and justified here to avoid duplicated funding. Subsequently, applicants must pro-actively inform the AS grant program office if the funding decision of any pending application is known before the outcome of this application is announced. Any incomplete or inaccurate information will adversely affect the consideration of this proposal.

For each of the current/pending grants, provide the following details:

- (1) Funding Agency and Project Type:
- (2) Grant Title and number:
- (3) Status: ☐ Current (ongoing) ☐ Pending (expected date of funding decision: YYYY/MM)
- (4) Research Role: ☐ Project PI ☐ Subproject PI ☐ Project co-PI ☐ Subproject co-PI
- (5) Project Period: _____(YYYY/MM) to _____(YYYY/MM)
- (6) Funding Amount in thousands of NTD

Year	Total Project Amount	Individual Project Amount

- (7) Is there any relationship between this project/proposal and the Grant Program you are applying?
☐ No ☐ Yes (if yes, go to item 8)
 - (8) Describe and justify any overlap with current application (in less than 500 words)
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