

To: All Academic Staff
 From: Research Office (RO)



国家自然科学基金委员会
 National Natural Science Foundation of China

Reminder for Academic Colleagues: For co-ordination purpose, individual Faculty/School (F/S) may have its own administrative arrangements and internal deadlines on top of those provided by the RO. Academic colleagues are expected to satisfy all requirements when preparing their applications and seeking endorsement from their respective F/S before forwarding the materials to the RO.

The National Natural Science Foundation of China (NSFC) is now calling for applications for the following program of the “**Special Project of the Department of Life Sciences 2023**”. Colleagues are invited to submit applications through the HKBU Institute for Research and Continuing Education (IRACE). Details are as follows:

Research Program	<u>Special Project 專項項目</u>			
Special Project	<u>Biological Breeding Research Youth Project 生物育種研究青年專項項目</u>	<u>Basic Research Project on Acclimatisation and Utilisation of Perennial Rice 多年生稻馴化改良與利用的基礎研究專項項目</u>	<u>AI Analysis of Molecular Language Logic Structure of Life Processes Project 生命過程分子語言邏輯結構的 AI 解析專項項目</u>	<u>Research on the Common Mechanism of Chronic Inflammation Induced by Ageing Project 衰老引發慢性炎症的共性機制研究專項項目</u>
Research Areas	1. Selection and Breeding of New Crop Varieties and Its Scientific Basis 農作物新品種選育及其科學基礎 2. Selection of New Horticultural Plant Varieties	1. Genetic Mechanisms and Technological Studies on the Direct Domestication of Long Male Wild Rice and its Intercrossing with Asian Cultivated Rice to Create	1. AI Parsing and Intervention in Genomic Languages 基因組語言的 AI 解析與干預 2. AI Analysis and Design of Protein Structure Languages 蛋	1. Interactions between Aging and Chronic Inflammation and the Mechanisms that Regulate Them 衰老與慢性炎症之間的相互作用關係和調控機制

	<p>and Its Scientific Basis 園藝植物新品種選育及其科學基礎</p> <p>3. Selection of New Forest and Grass Species (Lines) and Its Scientific Basis 林草新品種（系）選育及其科學基礎</p> <p>4. Selection and Breeding of New Agricultural Animal Breeds and Its Scientific Basis 農業動物新品種選育及其科學基礎</p>	<p>Perennial Rice 長雄野生稻直接馴化及其與亞洲栽培稻種間雜交創制多年生稻的遺傳機制和技術研究</p> <p>2. Innovation and Utilisation of Important Germplasm Resources for Perennial Rice Breeding with the Objectives of "Strong Perenniality, Root (Stem) Agglomeration, Ease of Cultivation, Economic Viability, and Stable Yield" 具有“多年生性強、根（莖）集聚、易於耕種、經濟可行、產量穩定”目標的多年生稻育種重要種質資源創新與利用</p>	<p>白質結構語言的 AI 解析與設計</p> <p>3. Construction, Analysis and Application of Cellular Multimodal Pre-Training Model 細胞多模態預訓練大模型構建、分析與應用</p> <p>4. AI Analysis and Application of Molecular Language for Physiological and Pathological Processes 生理、病理過程分子語言的 AI 解析與應用</p> <p>5. Multiscale Molecular Language Integrated Logical Structure and Representational Properties of Spatio-Temporally Responsive Functional Systems and Stabilisatio 時空響應的功能系統與穩態的多尺度分子語言集成邏輯結構與表徵特性研究</p>	<p>Interregulation of Cellular Degeneration and Chronic Inflammation in the Aging Process 衰老過程中細胞功能退化與慢性炎症的相互調控機制</p>
<p>Eligibility</p>	<p>Principal Investigators (PIs) should meet the following requirements:</p> <p>1. RAP above or possessed PhD degree</p>	<p>Principal Investigators (PIs) should meet the following requirements:</p> <p>1. RAP or above</p>	<p>Principal Investigators (PIs) should meet the following requirements:</p> <p>1. RAP or above</p>	<p>Principal Investigators (PIs) should meet the following requirements:</p> <p>1. RAP or above</p>

	<p>2. With experience in undertaking basic research projects</p> <p>3. Under the age of 40 (born on or after 1 January 1983)</p>	<p>2. With experience in undertaking basic research projects</p>	<p>2. With experience in undertaking basic research projects</p> <p>3. Young researchers under the age of 45 are encouraged to apply as applicants</p>	<p>2. With experience in undertaking basic research projects</p>
Funding Period	5 Years (1 January 2024 – 31 December 2028)	5 Years (1 January 2024 – 31 December 2028)	3 Years (1 January 2024 – 31 December 2026)	1 Year-3 Years (1 January 2024 – 31 December 202*)
Funding Amount	RMB 1.2 million	RMB 2million	RMB 2 million	RMB 1 million

Register for NSFC Electronic Account	<p>Items</p> <p>1) Prepare and submit the application via the GRANTS System by 20 October 2023 (Friday). Late application will not be accepted. <i>(Kindly be reminded of safekeeping your login name and password as it may take at least 1 – 2 days to regenerate a new one.)</i></p> <p>2) Submit the following documents to your Dean/Director for endorsement: (a) Application Form printed from the System including all the attachments (one-copy, two-sided); (b) Mainland Grant Application Checklist.</p> <p>3) Submit <u>ethics/safety applications</u> to the Research Ethics Committee, if applicable: The deadline for filing an ethics/safety application via BUniPort is 13 October 2023 (Friday). Please refer to Guidelines on Online Submission of Ethics/Safety Applications for necessary steps. <i>(Ethics/safety approval usually takes 25 working days to process.)</i></p> <p>4) Submit cooperation application to the Academic Partnership Tracking Platform, if applicable: The deadline for filing a cooperation application via the Academic Partnership Tracking Platform is 13 October 2023 (Friday). Please refer to Guidelines on Online Submission of co-operation Applications for necessary steps. <i>(Co-operation approval usually takes 25 working days to process.)</i></p>	Action Parties
		PIs
	5) Give comments/suggestions to PIs for revision when necessary.	Deans/Director
	6) Submit the documents (in soft copy) as stated in Item 2 above to RO by 20 October 2023 (Friday) .	
7) Upon receiving the complete set of application documents, RO/IRACE will online submit the application to NSFC.	RO/IRACE	
Register for NSFC Electronic Account	For applicants who do not have an application account of the NSFC System, please contact the IRACE at hkbuirace@hkbu.edu.hk for registration.	

Other Application Details	GRANTS Electronic System (user guide)
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For enquiries, please contact:

IRACE:

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RO Research Grants Management Team:

Name	Email	Phone
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IMPORTANT:

➤ If an applicant departs from the University during the application period, the affiliated Department is required to inform the RO about his/her departure. The RO will follow it up with the funding body accordingly.

NOTICE – Other Funding Opportunities:

The Research Office maintains a webpage on the various internal and external funding opportunities and the current calls for colleagues' information. You are encouraged to check the information at <https://research.hkbu.edu.hk/funding-opportunities> regularly.