

2022 年度国家自然科学基金外国资深学者研究基金团队试点项目

国家自然科学基金委员会（以下简称自然科学基金委）结合深化改革落实举措，设立外国资深学者研究基金团队试点项目（以下简称外资深团队试点项目），旨在支持具有国际公认学术造诣和影响力的外籍科学家，在基础科学前沿领域领衔科研团队开展研究工作。

一、项目说明

（一）资助领域及申请代码

2022 年外资深团队试点项目资助领域如下：

拟资助的领域	对应申请代码
微分方程与动力系统	A03
凝聚态物理	A20
物质科学的表界面基础	B02\B04\B05\B09
能源资源高效转化与利用的化学、化工基础	B02\B06\B08\B09
前沿及共性生物技术、应用生物技术、交叉融合生物技术、糖生物学研究相关技术	C21
陆地生态系统碳汇精准预测及提升	C03
包括高温高压的实验地球科学	D01~D07
行星科学	D01~D07
金属材料	E01
工程热物理与能源利用	E06
医疗机器人系统	F0309
人工智能基础：可信可靠可解释人工智能基础理论与方法	F0601
运筹与管理	G0102
资源管理与政策	G0412
重大慢性疾病诊疗效果提升的基础研究	H18
重大传染病致病机制及干预策略	H21\H30
意识调控与神经精神系统疾病	T03（受理代码）
统计物理学与复杂社会系统	T04（受理代码）

申请人在填写申报书中的申请代码时，须从上述对应的申请代码中选取，尽量选择到二级申请代码（4 位数字）。“意识调控与神经精神系统疾病”及“统计物理学与复杂社会系统”领域的申请人，请首先选择交叉科学部指定的受理代码 T03 或 T04，然后根据研究内容从 A-H 中选择不少于 2 个科学部的申请代码填写申请书。申请代码详见《2022 年度国家自然科学基金项目指南》。

（二）资助期限

资助期限为 3 年，申请书中的研究期限应填写为 2023 年 1 月 1 日至 2025 年 12 月 31 日。

（三）资助规模

资助强度一般不超过 450 万元/项（直接费用）。2022 年度拟资助外资深团队试点项目 9 项左右。

二、项目申请

（一）申请人条件

1. 具有外国国籍；
2. 具有高级专业技术职称（职务）；
3. 具有国际公认的学术造诣和影响力；
4. 需保证资助期限内每年在依托单位从事基础研究工作的时间在 9 个月以上；
5. 申请人须组建不少于 5 人的研究团队（含申请人本人）；
6. 确保在中国工作期间遵守中国法律法规及自然科学基金的各项管理规定。

（二）限项申请规定

申请人申请时须遵循以下限项规定：

1. 作为负责人获得过国家自然科学基金外国学者研究基金项目、重点项目、重大项目、重大研究计划（重点项目）、国家杰出青年科学基金项目、创新研究群体项目和基础科学中心项目资助的不得申请（含 2022 年度获资助项目）。
2. 为保证项目负责人集中精力开展研究工作，在资助期内的外资深团队试点项目负责人不得作为申请人申请除国家杰出青年科学基金项目之外的其他科学基金项目。
3. 本项目不计入高级专业技术职务（职称）人员申请和承担项目总数合计限 2 项的范围。
4. 《2022 年度国家自然科学基金项目指南》中关于申请数量的其他限制。

（三）合作研究单位要求

该项目一般由 1 个单位承担，确有必要时，合作研究单位不得超过 2 个。

三、申报说明

（一） 申请人注意事项

项目申请书采取在线方式撰写，具体要求如下：

1. 申请人在填报申请书前，应当认真阅读本项目指南和《2022 年度国家自然科学基金项目指南》中的相关内容，不符合项目指南和相关要求的项目申请将不予受理。

2. 申请书填报路径：登录科学基金网络信息系统，选择“RFIS Application”，然后选择“外国学者（RFIS）”角色，在菜单栏点击“Application and Acceptance”-“RFIS Application”进入申请界面；点击“New Proposal”，首先选择申请项目所属科学部：“Application for Scientific Departments (A-H)”或“Application for Department of Interdisciplinary Sciences (T)”，然后点击“The Research Fund for International Senior Scientists (RFIS-III)”，进入申请书填写界面。申请语言为英文或中文。

（1）预算编报：申请人应当认真阅读《2022 年度国家自然科学基金项目指南》申请须知中预算编报要求的内容，严格按照《国家自然科学基金资助项目资金管理办法（财教〔2021〕177 号）》以及《国家自然科学基金项目资金预算表编制说明》的要求，认真如实编报《国家自然科学基金项目资金预算表》。

（2）正文撰写：申请书正文须依据外国资深学者研究基金团队试点项目申请书撰写提纲（附件 4. Research Proposal Outline for PGP RFIS-III_Scientific Departments (A-H) 或附件 5. Research Proposal Outline for PGP RFIS-III_Department of Interdisciplinary Sciences (T)）及相关填写说明的要求详细撰写。

3. 申请人完成申请书撰写后，通过科学基金网络信息系统（<https://isisn.nsfc.gov.cn/pmpweb/login>）在线提交电子申请书及附件材料，无需报送纸质申请书。项目获批准后，须将申请书的纸质签字盖章页及团队成员列表签字盖章页装订在《资助项目计划书》的最后，一并提交。签字盖章的信息应与电子申请书保持一致。

附件材料：

（1）申请人与依托单位签订的项目申报协议书。该协议书须使用协议书模版（附件 2），申请人本人签字后由依托单位法定代表人签名（章）并加盖依托单位公章（注意：科研管理部门章、二级学院章等无效）。

（2）申请人与依托单位签订的聘用合同。当前尚未签订聘用合同的，须在获资助后随计划书一并提交。

（3）涉及科研伦理及科技安全（如生物安全、信息安全等）的项目申请，申请人应严格执行国家有关法律法规和伦理准则，并按要求上传相应材料的电子扫描件。

基金委联系方式

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NSFC Pilot Group Program of the Research Fund for International Senior Scientists (RFIS-III) 2022

The National Natural Science Foundation of China (NSFC) is pleased to launch a call for the Pilot Group Program of the RFIS-III (PGP RFIS-III) aimed at supporting international scientists with outstanding academic achievements and significant international influence to establish scientific research groups and carry out research works in the frontier areas of fundamental research in China's mainland.

I. Program Specification

1. Research Areas and Application Code

The available areas to be funded by the PGP RFIS-III FY 2022 are as follows:

No.	Available Areas to be Funded	Application Code	Department
1	Differential Equations and Dynamical Systems	A03	Department of Mathematical and Physical Sciences (A)
2	Condensed Matter Physics	A20	
3	Fundamentals of Surface and Interface for Physical Science	B02\B04\B05\B09	Department of Chemical Sciences (B)
4	Chemical and Chemical Engineering Basis for Efficient Energy Conversion and Resource Utilization	B02\B06\B08\B09	
5	Frontier and Generic Technologies Related to Biotechnology, Applied Biotechnology, Biotechnology-related Interdisciplinary Research, Glycobiology Research	C21	Department of Life Sciences (C)

6	Accurate Prediction and Improvement on Carbon Sinks in Terrestrial Ecosystems	C03	
7	Experimental Geoscience Related to High Temperature and High Pressure	D01~D07	Department of Earth Sciences (D)
8	Planetary Science	D01~D07	
9	Metallic Material	E01	Department of Engineering and Materials Sciences (E)
10	Engineering Thermophysics and Energy Utilization	E06	
11	Medical Robot System	F0309	Department of Information Sciences (F)
12	Fundamental Research on Artificial Intelligence: Trustworthy, Reliable and Explainable Artificial Intelligence Basic Theories and Methods	F0601	
13	Operations Research and Management Science	G0102	Department of Management Sciences (G)
14	Resource Management and Policy Research	G0412	
15	Fundamental Research on Improving the Diagnosis and Treatment of Major Chronic Diseases	H18	Department of Health Sciences (H)
16	Pathogenesis and Intervention Strategies of Major Infectious Diseases	H21\H30	
17	Consciousness Regulation and Neuropsychiatric Diseases	T03 (Division Code)	Department of Interdisciplinary Sciences (T)
18	Statistical Physics in Complex Social Systems	T04 (Division Code)	

Please select one of the application codes from the above form when filling in the research proposal and then select the secondary application code (4 digits). For applications to the Department of Interdisciplinary Sciences (T), please first select the

division code T03 or T04, and then select at least 2 application codes from A-H in line with the research fields of your research proposal. The application codes can be referred from the “*National Natural Science Fund Guide to Programs 2022*”.

2. Project Duration

Projects are expected to start on January 1, 2023 and end on December 31, 2025 with the duration of three years.

3. Funding Level

The proposed funding level is up to 4.5 million Yuan per project (direct costs).

Around 9 research groups are expected to be awarded under the pilot call.

II. Application Requirements

1. Eligibility of Applicants

The applicant should:

- (1) Have foreign citizenship;
- (2) Have a senior academic title;
- (3) Have outstanding academic achievements and significant international influence;
- (4) Make a commitment of working for no less than 9 months each year (calendar year) at the host institution during the implementation of the project;
- (5) Establish a research group with at least five members (including the applicant);
- (6) Ensure compliance with Chinese laws and NSFC’s relevant rules and regulations while conducting research in China.

2. Other restrictions

The applicants are required to comply with the following restrictions:

- (1) The PI who has been awarded with Research Fund for International Scientists, Key Program, Major Program, Major Research Plan (Key Project), National Science Fund for Distinguished Young Scholars (NSFDYS), Science Fund for Creative Research Groups, or Programs of the Fundamental Science Center from NSFC (including those awarded in 2022) are not eligible to apply for this pilot program.
- (2) The PI of an on-going PGP RFIS-III shall not apply for any other NSFC-funded projects except for the NSFDYS.
- (3) This pilot program does not count towards the maximum of 2 projects that an applicant with a senior academic title could apply for and run at the same time.
- (4) Other restrictions on the eligibility of applicants in the “*National Natural Science Fund Guide to Programs 2022*”.

3. Additional Requirements for Eligibility

In general, all members of the research group should be based in the same host institution, unless if necessary, up to 2 cooperation institutions are allowable for each group.

III. Proposal Submission

1. Submission by the Applicants

The application needs to be submitted online. The specific requirements are as follows:

- (1) Before completing the online application form, all applicants should read through this guidance as well as the relevant contents of “*National Natural Science Fund Guide to Programs 2022*” in detail. Applications that do not meet the above mentioned requirements will be rejected.

(2) Application path: Log in to the NSFC's Internet-based Science Information System (<https://isisn.nsf.gov.cn/pmpweb/login>), select "RFIS Application", use the role of "RFIS" and click "Application and Acceptance" - "RFIS Application" in the menu bar to enter the application interface. Click "New Proposal" to enter the page of Application(s) in Preparation. Then select the science department of the applied project: "Application for Scientific Departments (A-H)" or "Application for Department of Interdisciplinary Sciences (T)". Finally click on the "The Research Fund for International Senior Scientists (RFIS-III)" to enter the application page. **The application language can be either English or Chinese.**

➤ The applicant shall, in accordance with the "*National Natural Science Fund Guide to Programs 2022*", the "*Regulation on the Financial Management of NSFC-Awarded Projects*" (<https://www.nsf.gov.cn/publish/portal0/tab475/info81899.htm>) and "*Instruction for Budget Table*", carefully prepare the budget table based on the actual needs.

➤ The applicant should use the template (Annx 4. **Research Proposal Outline for PGP RFIS-III_Scientific Departments (A-H)** or Annex 5. **Research Proposal Outline for PGP RFIS-III_Department of Interdisciplinary Sciences (T)**) and fill in the main text of the research proposal in accordance with the instructions and requirements.

(3) Applicants should complete the online application form and submit the application through the NSFC's Internet-based Science Information System (<https://isisn.nsf.gov.cn/pmpweb/login>). No hard copies are required. After awarded, the signed and sealed page of the application form, as well as the signed and sealed group member list, should be attached to the Research Plan and submitted to NSFC together. Please ensure that the signed and sealed information should be consistent with the electronic application.

Attachments required:

(1) An agreement signed by the applicant and the host institution. The agreement should use the template (Annex2. Agreement) and be signed by the applicant, the legal representative of the host institution with the official seal of the institution. (The seals of the scientific research management department and the second-level college are invalid).

(2) An employment contract signed between the applicant and the host institution. Applicant who has not yet signed an employment contract can submit the contract together with the research plan after funded by NSFC.

(3) If the proposed research involves issues related to scientific research ethics and scientific and technological security (such as biosecurity, information security, etc.), the applicant shall strictly follow relevant national laws, regulations and codes of ethics, and provide corresponding materials as attachment in accordance with the requirements of relevant scientific departments (a scanned copy shall be attached to the electronic application). For specific requirements, please refer to the “Information on Application” and “Funding Scope and Instructions” in “*National Natural Science Fund Guide to Programs 2022*”.

Note: Before completing the online application form, all applicants should check that they comply with the eligibility requirements and ensure all necessary information is presented in the application. Applications that do not meet the above mentioned requirements will be rejected.

Contacts

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