# 第二期“何享健青年科学家项目”提名指南

## 一、项目目标

何享健科学基金青年科学家项目（简称“何享健青年科学家项目”）旨在发掘和鼓励处于职业生涯早期的杰出青年科研工作者，并支持他们在医学与生命科学、能源环境与气候变化领域进一步实现原创性和突破性的基础、转化和应用研究。

## 二、提名要求

1、已取得博士学位。

2、在中国高校、科研院所全职工作的青年科研工作者。

3、被提名当年，参评人年龄在35周岁及以下（2025年被提名人1990年1月1日及以后出生），女性候选人放宽至38周岁。对临床医学专业背景的被提名人（需提供临床医师执业资格证书）可放宽至40周岁，女性候选人放宽至43岁。

4、在科学探索、技术突破、工程实践方向中从事基础创新和应用研究及交叉应用的研究及实践者，研究成果应用于医学与生命科学、能源环境与气候变化领域。

## 三、关于提名

1、候选人必须获得由何享健科学基金邀请作为提名机构的高校或研究机构的提名。

2、提名机构提供提名名单后，秘书处将通知被提名人。被提名人须按要求在2026年2月6日24时（北京时间）前将被提名材料通过何享健科学基金官方网站进行注册和提交。

3、机构提名阶段

（1）提名机构出具描述被提名人资格和研究成果、研究计划的提名信，并以PDF文件格式存储后作为附件提交。

（2）基本信息：包括教育经历、科研工作经历、研究领域和方向等。

4、被提名人提交材料阶段

被提名人提交的以下材料，均以 PDF 文件格式提交。

（1）被提名人简历（包括发表的论文清单）。

（2）被提名人独立研究的代表性文章三篇，其中代表性论文建议填写申报人近 5 年作为第一作或通讯作者发表的论文。

（3）一份 5000 字内未来研究计划，中英文版本各一份。

（4）三封推荐信（优先选择被提名人不同高校或机构的推荐人）。

5、上传的机构提名信和专家推荐信是遴选过程的重要组成部分，提名信允许提供其他申请材料（简历、论文等）未提及的内容。推荐信应该客观、深刻评价被提名人的科研能力、已经取得的研究基础或成果，及正在或未来开展的研究计划的创新性和重要性。

**四、提名及评审周期**

1、2025 年 11 月 4 日，秘书处向提名机构发送提名邀请邮件。

2、2025 年 12 月 15 日前，受邀请的提名机构反馈提名的候选人名单、机构提名信。

3、2025 年 12 月 31 日前，秘书处向被提名人发送通知邮件及提名码。

4、2026 年 2 月 6 日 24 时（北京时间）前，被提名人通过提名码链接，提交参评材料。

5、2026 年 2 月 25 日启动评审。

6、2026 年 9 月 30 日前公布获资助人名单。

**五、聚焦的相关学科和细分领域**

1、学科：医学、生命科学、生物医学工程、材料科学、化学、化学工程、环境科学、能源科学、前沿交叉等。

2、医学与生命科学重点资助的方向

（1）基础类：生物医学领域重要前沿研究热点和未来发展趋势，如空间多组学技术和细胞生物信息图谱、基因结构和表达及调控、新型基因编辑工具和技术、合成生物学和生物制造、新型生物材料与组织修复和再生医学、新型生物传感技术、人工智能和深度学习与蛋白质设计和结构解析、类器官研究。

（2）应用类：生物医学前沿技术在疾病诊断和治疗中的应用，如疾病生物标志物的检测筛选、基因疗法、细胞疗法、干细胞治疗、新型传染病疫苗、肿瘤免疫治疗、脑机接口技术、药物靶点研发和递送、长寿与健康。

（3）临床类：重点关注和鼓励探索与严重危害人群健康的临床常见多发病相关的前沿研究，如心脑血管疾病、高发性传染病、肿瘤、代谢性疾病、神经系统疾病。

2、能源环境与气候变化

主要关注能源材料、工业/楼宇脱碳、储能及智能电网、绿色电力电子技术、绿色致冷技术、资源回收再利用六大议题。

（1）能源材料：主要包括生物质材料、节能材料、储能/储热材料、半导体材料，以及材料的绿色低碳制造工艺等方向的科研与技术突破。

（2)工业/楼宇脱碳:致力于工业脱碳、智慧楼宇、碳捕集利用与封存(CCUS)、双碳管理等领域的技术研发与创新。

（3）储能氢能及智能电网：涵盖高效、低排放、低成本发电技术，绿色制氢技术，电池和燃料电池技术，波动性可再生能源储能方案，以及能源与储能系统的智能化管理等方向的科研与技术攻关。

（4）绿色电力电子技术：重点研究在空间、成本、可靠性和散热的严格约束下，实现大规模、高效、稳定、快速的电力输送等相关技术。

（5）绿色制冷技术：包括高能效压缩机和电机、新型热泵技术、绿色固态制冷材料与技术等方向的科研与创新。

（6）资源回收再利用：涉及工业废品资源化利用、工业余热回收、能源及

储能设备的回收与循环利用等技术的研发与应用。

**六、评审**

1、由相关领域的同行评审专家，以及资深科学家组成的评审委员会进行评审。

2、评选标准基于被提名人的独立研究成果，原创性和突破性，以及对相关领域的贡献和未来研究计划的创新性和应用前景。

**七、资助条款**

1、单个科研项目资助额度合计 200 万元人民币，资助周期 3 年，具体条款以三方资助协议为准。

2、由何享健科学基金与被资助科学家、隶属机构签订三方协议，由其所属高校或科研机构进行科研经费的支付管理。

3、获资助科学家在符合法律法规相关监管的要求下，可将科研经费自由用于支持其研究的任何费用，包括人员、差旅、实验室耗材等日常费用等。

4、如果获资助科学家计划更换所属机构，需提前通知何享健科学基金。

5、获资助科学家每年有义务提交一份研究进展报告和财务报告给何享健科学基金。

**八、注意事项**

提名材料须符合国家相关法律法规的要求，参评过程中涉及到的业绩、成果等描述应当客观、详实，不得夸大或虚构；提名材料中不得有国籍、学历、学术成果、年龄等重要信息谎报或造假行为，秘书处有权对提名材料的真实性进行核查，包括但不限于要求提供原始凭证，邀请提名机构进行鉴定等。如有虚报，直接取消被提名资格。

**九、保密原则**

被提名人参评何享健青年科学家项目并提交材料，视为被提名人同意授权何享健科学基金在保密原则下使用提交的所有材料，所有涉及参与项目提名和评审

的专家和工作人员，均负有对何享健青年科学家项目相关信息的保密义务。

**十、其他**

1、何享健青年科学家项目不收取任何费用，项目资助的提名、提交材料、评审和授予，严格遵循公平、公正、公开的原则，杜绝任何组织或个人干涉评审过程的行为。

2、被提名人材料通过形式审查后，将直接进入后续的同行专家评审和评审委员会遴选环节，不设置现场答辩和评审信息反馈。

3、参与该项目资助工作的全部人员，均依照相关法律法规对涉及项目资助的全部信息负有高度保密义务，提名系统将为评审材料加盖水印，被提名人应注意避免上传涉及机密信息的材料。

4、何享健青年科学家项目尤其鼓励提名和推荐目前尚未获得充分科研资助的青年科技工作者。

**何享健科学基金**

2025 年 11 月

# 2025 HE Research Fellowships Nomination Guidelines

## I. Program Objectives

The HE Research Fellowships, established by the HE Science Foundation, aim to identify and encourage outstanding young researchers in the early stages of their careers. The program supports them in conducting original and groundbreaking fundamental, translational, and applied research in the fields of medical and life sciences and energy, environment, and climate change.

## II. Nomination Requirements

- Candidates must hold a doctoral degree.
- Candidates must be full-time researchers employed by universities or research institutions in China.
- Candidates must meet the following age requirements in the year of nomination:
- General candidates: 35 years old or younger (born on or after January 1, 1990).
- Female candidates: 38 years old or younger.
- Candidates with a clinical medicine background (must provide a valid medical practitioner license): 40 years old or younger.
- Female candidates with a clinical medicine background: 43 years old or younger.
- Candidates must be engaged in fundamental innovation, applied research, or interdisciplinary research in the areas of scientific exploration, technological breakthroughs, or engineering practices, with research outcomes applicable to medical and life sciences or energy, environment, and climate change.

## III. Nomination Process

- Candidates must be nominated by universities or research institutions invited by the HE Science Foundation to serve as nominating organizations.
- After receiving the nomination list from the nominating organizations, the Secretariat will notify the nominees. Nominees must register and submit their

nomination materials via the HE Science Foundation official website by February 6, 2026, 24:00 (Beijing Time).

**Institutional Nomination Stage**

- Nominating organizations must provide a nomination letter describing the nominee's qualifications, research achievements, and research plans. The nomination letter must be submitted as a PDF file.
- The nomination list must include basic information about the nominees, such as their educational background, research experience, research fields, and areas of focus.

**Nominee Submission Stage**

Nominees must submit the following materials as PDF files:

- A detailed CV, including a list of published papers.
- Three representative papers authored independently by the nominee, preferably published within the last five years as the first author or corresponding author.
- A future research proposal (no more than 5,000 words), submitted in both English and Chinese.
- Three recommendation letters, preferably from referees affiliated with different universities or institutions.
- The institutional nomination letter and recommendation letters are critical components of the selection process. The nomination letter may include information not covered in other application materials (e.g., CV, papers). Recommendation letters should provide an objective and in-depth evaluation of the nominee's research capabilities, prior achievements, and the innovation and significance of their current and future research plans.

**IV. Nomination and Evaluation Timeline**

- November 1, 2025: The Secretariat sends nomination invitation emails to nominating organizations.

- By December 15, 2025: Nominating organizations submit the candidate list and institutional nomination letters.
- By December 31, 2025: The Secretariat notifies nominees and provides nomination codes.
- By February 6, 2026, 24:00 (Beijing Time): Nominees submit their application materials via the nomination code link.
- February 25, 2026: Evaluation process begins.
- By September 30, 2026: Announcement of funded researchers.

**V. Focused Disciplines and Subfields**

**1. Disciplines**

Medical sciences, life sciences, biomedical engineering, materials science, chemistry, chemical engineering, environmental science, energy science, and frontier interdisciplinary research.

**2. Medical and Life Sciences**

**Basic Research:**

Key frontier research topics and future trends in biomedical sciences, such as spatial multi-omics technologies and cellular bioinformatics mapping, gene structure and expression regulation, novel gene editing tools and techniques, synthetic biology and biomanufacturing, new biomaterials and tissue repair/regenerative medicine, advanced biosensing technologies, artificial intelligence and deep learning for protein design and structural analysis, and organoid research.

**Applied Research:**

Applications of biomedical frontier technologies in disease diagnosis and treatment, such as disease biomarker detection and screening, gene therapy, cell therapy, stem cell therapy, vaccines for emerging infectious diseases, tumor immunotherapy, brain-computer interface technologies, drug target development and delivery, and research on longevity and health.

**Clinical Research:**

Exploration of frontier research related to common and frequently occurring diseases that pose significant threats to public health, such as cardiovascular and cerebrovascular diseases, high-incidence infectious diseases, tumors, metabolic diseases, and neurological disorders.

**3. Energy, Environment, and Climate Change**

The program focuses on six key topics: energy materials, industrial/building decarbonization, energy storage and smart grids, green power electronics technologies, green refrigeration technologies, and resource recycling and reuse.

**Energy Materials:**

Research and technological breakthroughs in areas such as biomass materials, energy-saving materials, energy/thermal storage materials, semiconductor materials, and green low-carbon manufacturing processes for materials.

**Industrial/Building Decarbonization：**

Technological innovation in industrial decarbonization, smart buildings, carbon capture, utilization, and storage (CCUS), and dual-carbon management.

**Energy Storage, Hydrogen Energy, and Smart Grids:**

Research on efficient, low-emission, and low-cost power generation technologies, green hydrogen production technologies, battery and fuel cell technologies, renewable energy storage solutions, and intelligent management of energy and storage systems.

**Green Power Electronics Technologies:**

Development of technologies for large-scale, efficient, stable, and rapid power transmission under strict constraints on space, cost, reliability, and heat dissipation.

**Green Refrigeration Technologies：**

Research and innovation in high-efficiency compressors and motors, advanced heat pump technologies, and green solid-state refrigeration materials and technologies.

**Resource Recycling and Reuse:**

Technological development and application in industrial waste resource utilization, industrial waste heat recovery, and recycling and reuse of energy and storage equipment.

**VI. Evaluation**

The evaluation will be conducted by a review committee composed of peer experts and senior scientists in relevant fields.

Selection criteria will be based on the nominee's independent research achievements, originality and breakthroughs, contributions to the field, and the innovation and application potential of their future research plans.

**VII. Funding Terms**

- Each funded research project will receive a total of RMB 2 million over a three-year funding period. Specific terms will be outlined in a tripartite funding agreement.
- The HE Science Foundation will sign a tripartite agreement with the funded scientist and their affiliated institution, which will manage the disbursement of research funds.
- Funded scientists may freely use the research funds to cover any expenses necessary to support their research, including personnel, travel, laboratory consumables, and other operational costs, in compliance with relevant laws and regulations.
- If a funded scientist plans to change their affiliated institution, they must notify the HE Science Foundation in advance.
- Funded scientists are required to submit an annual research progress report and financial report to the HE Science Foundation.

**VIII. Important Notes**

- Nomination materials must comply with relevant national laws and regulations.

Descriptions of achievements and results must be objective and detailed, without exaggeration or fabrication.

- The Secretariat reserves the right to verify the authenticity of nomination materials, including requesting original documentation or institutional verification. Any falsification will result in immediate disqualification.

**IX. Confidentiality**

Nominees agree to authorize the HE Science Foundation to use all submitted materials under strict confidentiality. All experts and staff involved in the nomination and evaluation process are obligated to maintain the confidentiality of all related information.

**X. Additional Information**

- The HE Research Fellowships do not charge any fees. The nomination, submission of materials, evaluation, and funding process strictly adhere to the principles of fairness, impartiality, and transparency. Any interference in the evaluation process by organizations or individuals is strictly prohibited.
- After passing the formal review, nominees will proceed directly to peer review and selection by the evaluation committee. No on-site defense or feedback on the evaluation process will be provided.
- All personnel involved in the funding process are bound by strict confidentiality obligations under relevant laws and regulations. Nominees should avoid uploading materials containing sensitive or confidential information.
- The program particularly encourages the nomination and recommendation of young researchers who have not yet received sufficient research funding.

**HE Science Foundation**

**November 2025**