



新加坡国立大学重庆研究院
NUS (Chongqing) Research Institute

新加坡国立大学重庆研究院

National University of Singapore Chongqing Research Institute

NUSRI
CHONGQING



成为卓越的国际创新型研究院

A GLOBAL INSTITUTE FOR INNOVATION
AND TALENT DEVELOPMENT

NUSRI
CHONGQING

目录 CONTENTS

关于我们	01
About us	
科学研究	09
Research	
教育培训	13
Education	
产业孵化	17
Enterprise	
地图	21
Map	



关于我们 ABOUT US

院长致辞

Director's Message



王家功 教授
Professor John Wang

新加坡国立大学重庆研究院院长
Director of NUSRI-CQ

新加坡国立大学终身教授
Tenured Professor at the NUS

新加坡国家科学院院士
Fellow of the Singapore National Academy of Science

新加坡工程院院士
Fellow of the Academy of Engineering, Singapore



新加坡国立大学重庆研究院是一所产学研一体化的国际创新型研究院。

我院依托新加坡国立大学雄厚的科研实力和丰富的全球资源，结合中新互联互通合作领域及重庆两江新区产业发展需求进行研究创新、人才培养和国际科技成果转化。

作为中新合作的重要桥梁和纽带，我院希望通过高端人才集聚、国际化人才培养、顶尖科技创新、技术转化体系建设等为地方的科技进步和产业发展提供支撑，为中新合作注入新的内涵和活力。

NUS (Chongqing) Research Institute (NUSRI-CQ) positions to be a global institute excelling in innovations, cutting-edge research, and talent development. Situated in one of the fastest-growing cities in China and following the mutual collaborations between China and Singapore, NUSRI-CQ leverages the combined strengths and resources of both National University of Singapore (NUS) and Chongqing Liangjiang New Area, and pursues technology transformation, innovation, training of highly skilled workforces, and high-tech enterprise.

As an important gateway for NUS in the western region of China, we strive to strengthen the ever-closer Sino-Singapore cooperations in talent nurturing, innovation, platform for technology transfer, new enterprise, and tech start-up.



成立历程

Establishment



2018

2018年9月20日，重庆两江新区管理委员会与新国大签署《重庆两江新区管理委员会与新加坡国立大学关于共同建设新加坡国立大学（重庆）研究院的战略框架协议》。

NUS and Chongqing Liangjiang New Area Administrative Committee ("LJNAAC") signed a strategic framework agreement to jointly establish a research institute in Chongqing on September 20, 2018.



2019

2019年9月11日，重庆两江新区管理委员会与新国大签署共建重庆研究院的实施协议。

NUS and LJNAAC signed a detailed implementation agreement on the joint establishment of NUSRI-CQ on September 11, 2019.



2020

2020年4月7日，新国大重庆研究院完成事业单位法人注册。

NUSRI-CQ was registered as a non-profit organization with an independent legal entity under the auspices of LJNAAC on April 7, 2020.



2025

2025年7月，新国大重庆研究院二期项目在重庆两江协同创新区（15,000 m²）正式启动。

The Phase II project of the NUSRI-CQ was officially launched in Chongqing Liangjiang Coordinative Zone (15,000 m²) on July 2025.

新加坡国立大学

National University of Singapore

新加坡国立大学始建于1905年，通过持续启智润心和不断引领创新，迄今已发展成为在教育，科研和创新领域兼具环球视野和亚洲视角的世界一流研究型高校。

The National University of Singapore (NUS), founded in 1905, has continuously nurtured wisdom and inspired innovation. To date, it has developed into a world-leading research university with a global vision and an Asian perspective in education, research, and innovation.

2026 QS 世界大学排名

QS World University Rankings 2026

8th | 1st

全球第八
in the world

亚洲第一
in Asia

愿景 VISION

引领世界，形塑未来
a leading global university
shaping the future

使命 MISSION

教育、启迪、改造
to educate, inspire and transform

核心价值 VALUES

创新、坚毅
卓越、尊重、诚信
innovation, resilience
excellence, respect, integrity

新加坡国立大学重庆研究院

NUS (Chongqing) Research Institute

2020年4月，新加坡国立大学（以下简称“新国大”）与重庆两江新区管理委员会合作共建新加坡国立大学重庆研究院（以下简称“研究院”）。作为新国大在中国西部的唯一对外合作窗口，研究院依托新国大雄厚的科研与全球资源，聚焦新材料与智能制造、新能源、生命健康等新兴技术和领域，积极打造高端研发平台、高新产业孵化基地和教育培训中心，致力于构建具有全国影响力的产学研一体化国际创新型研究院。

In April 2020, the National University of Singapore ("NUS") and Chongqing Liangjiang New Area Administrative Committee collaboratively established the NUS (Chongqing) Research Institute ("NUSRI-CQ"). As NUS's cooperation window in western China, the institute leverages NUS's strong scientific research and global resources, focusing on new materials and intelligent manufacturing, new energy, life and health, as well as other emerging technologies and fields. It aims to build a high-end research and development platform, a high-tech industry incubation base, and an education and training center, dedicated to constructing an internationally innovative research institute integrating industry, academia, and research with national influence.

愿景 VISION

成为卓越的国际创新型研究院
A global institute for innovation and talent development

使命 MISSION

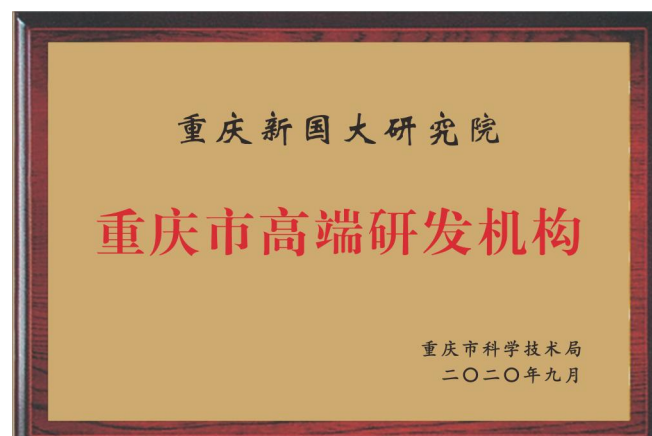
致力于通过教育的引领、原创性的科学研究和技术转移转化，培养和集聚高端人才，推动地方的科技进步和产业发展

Through research, technology transformation and talent development, NUSRI-CQ aims to make great contributions to the R&D industries and communities of Chongqing and Western China.

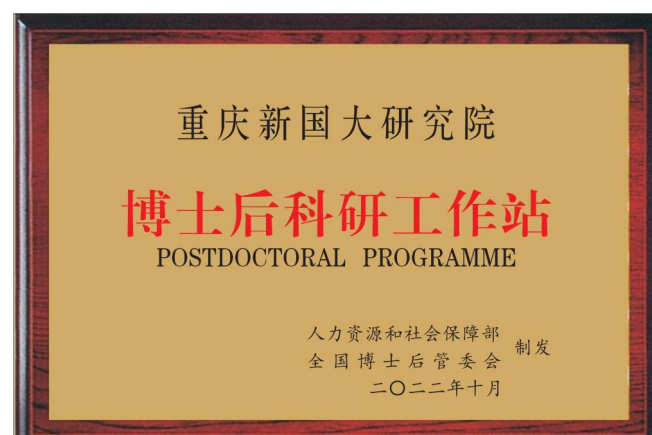


资质及荣誉

Achievements



国家级博士后科研工作站
National Postdoctoral Research Station



重庆市高端研发机构
Chongqing Advanced Research Institution



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

国家自然科学基金依托单位
Entity Eligible for National Natural Science Foundation of China (NSFC) Funding



重庆两江新区国家海外人才离岸创新基地-海外站点
Chongqing Liangjiang New Area National Overseas Talent Offshore Innovation Base - Singapore



重庆两江新区众创空间
Chongqing Liangjiang New Area Entrepreneurship Incubation Centre

科学研究

RESEARCH

研究院聚焦于三个关键领域：新材料与智能制造、新能源以及生命健康。旨在打破传统学科边界，推动更深层次的跨学科融合，以更好地应对全球性挑战和服务于地方产业发展战略。

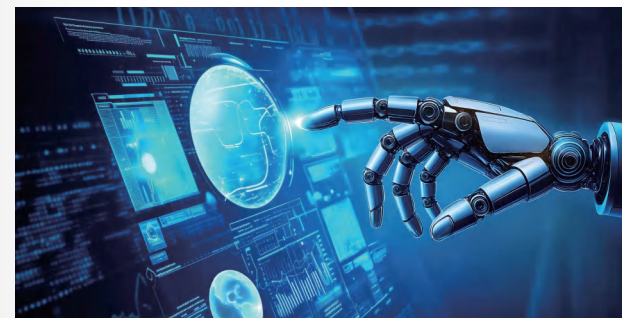
研究院从新国大引进教授、副教授及助理教授作为各领域的学术带头人。他们带领本地科研团队，围绕这三个前沿领域，积极推进高水平的科学研究、深入的跨国项目合作以及高端研发人才的培养计划，致力于将原创性科研成果转化为驱动区域产业升级的创新引擎。

NUSRI-CQ has established new three key fields: New Materials and Intelligent Manufacturing, New Energy, and Life Health. These fields are designed to transcend traditional disciplinary boundaries and foster deeper interdisciplinary integration, thereby enhancing our capacity to address global challenges and contribute to local industrial development strategies.

NUSRI-CQ has appointed professors, associate professors, and assistant professors from NUS as academic leads for each field. Leading local research teams, these experts conduct high-level scientific research, facilitate in-depth international collaborative projects, and implement high-end R&D talent development initiatives—all focusing on these three cutting-edge domains. Through these efforts, NUSRI-CQ is committed to translating original research outcomes into an innovation engine that drives regional industrial upgrading.

研发领域

Research Fields



新材料与智能制造

New Materials and Intelligent Manufacturing

该领域致力于打破材料科学与智能技术间的壁垒，构建从创新材料、智能设计到数字化制造的全链条研发平台，聚焦于高附加值产品的集成化数字主线、混合制造工艺的数字孪生平台，以及基于智能传感与嵌入式AI的精密控制系统。

This field is dedicated to bridging the gap between materials science and intelligent technologies, establishing an integrated

R&D platform that spans innovative materials, smart design, and digital manufacturing. It focuses on developing integrated digital threads for high-value-added products, digital twin platforms for hybrid manufacturing processes, and precision control systems powered by intelligent sensing and embedded AI.



新能源

New Energy

应对全球能源变革与可持续发展挑战，新能源领域整合了材料、传感、物流和金融风险管理方面的优势资源，专注于新能源技术的创新与生态系统构建。该领域致力于下一代储能与电池技术的研发、电池全生命周期管理与溯源，以及智慧能源系统的优化与风险管理。

In response to global energy transition and sustainable development challenges, this

field leverages consolidated expertise from fields including materials, sensing, logistics, and financial risk management. It focuses on innovating new energy technologies and building a supportive ecosystem. The field is dedicated to R&D in next-generation energy storage and battery technologies, battery lifecycle management and traceability, as well as the optimization and risk management of smart energy systems.



生命健康
Life Health

生命健康是未来科技最重要的前沿领域之一。该领域致力于将先进传感、人工智能、大数据和新型材料等新兴技术应用于精准医疗、智能康养和公共卫生领域，专注于开发非接触式健康监测（如医疗无线外渗检测系统）、AI辅助诊断、智能康复设备以及生物功能性材料（如可塑形吸收性骨修复材料GAIBONE®）。

Life health represent one of the most critical frontiers of future technology. This field is com-

mitted to applying emerging technologies—such as advanced sensing, artificial intelligence, big data, and new materials—to the fields of precision medicine, intelligent wellness, and public health. It specializes in developing non-contact health monitoring systems (e.g., wireless medical extravasation detection systems), AI-assisted diagnostics, intelligent rehabilitation equipment, and bio-functional materials (e.g., the shapeable, absorbable bone graft material GAIBONE®).

科研安全管理

Safety and Health Management System

研究院在从事科研工作的同时，高度重视科研安全，致力于提高科研人员的安全意识和强化责任意识，健全和完善实验室安全相关管理制度，加强日常安全检查和监督，做好实验室物品的管理。

NUSRI-CQ has established Department Safety and Health Management System (DSHMS) with the objective to support and promote a safe and healthy workplace.



科研领军

Investigators



王家功 教授 / Prof John Wang
首席研究员 / Chief Principal Investigator

新加坡国立大学重庆研究院院长 / Director of NUS (Chongqing) Research Institute
新加坡国家科学院院士 / Fellow of Singapore National Academy of Science
新加坡工程院院士 / Fellow of the Academy of Engineering, Singapore
亚太材料科学院院士 / Academician of the Asia Pacific Academy of Materials (APAM)



林水德 教授 / Prof LIM Chwee Teck
首席研究员 / Chief Principal Investigator

新加坡国家科学院院士 / Fellow of Singapore National Academy of Science
新加坡工程院院士 / Fellow of the Academy of Engineering, Singapore
英国皇家工程院院士 / Fellow of the Royal Academy of Engineering



康斯坦丁·诺沃肖洛夫 教授 / Prof Konstantin Sergeevich Novoselov
首席研究员 / Chief Principal Investigator

2010年诺贝尔物理学奖得主 / Winners of the Nobel Prize for Physics in 2010



仇成伟 教授 / Prof QIU Cheng Wei
首席研究员 / Chief Principal Investigator

新加坡工程院院士 / Fellow of the Academy of Engineering, Singapore
东盟工程与技术科学院院士 / Fellow of the ASEAN Academy of Engineering and Technology
美国电磁学学院院士 / Fellow of the Electromagnetics Academy



许国勤 教授 / Prof XU Guoqin
首席研究员 / Chief Principal Investigator

新加坡国家科学院院士 / Fellow of Singapore National Academy of Science

教育培训

EDUCATION

研究院依托母校新国大卓越的教学资源和全球视野，为满足“一带一路”、“中新互联互通”以及“成渝双城经济圈”等众多国家战略所带来的高端人才需求，定期举办各类高起点、高层次教育项目，包括“3+1+1”联合培养、国际青年交流培养、高端管理人员培训等。研究院以为重庆地区集聚、培养和输送高层次人才为核心开展教育工作，积极打造联通重庆、新加坡以及世界的国际化、创新型人才培养基地。

To implement the initiatives of "One Belt and One Road", "China-Singapore Strategic Connectivity" and "Chengdu-Chongqing Twin City Economic Circle", it is critical to develop multi-cultural talents with global experience and mind-set. NUSRI-CQ will offer a variety of programs, including PhD and MSc by research, executive training and student exchanges in collaboration with local institutions. NUSRI-CQ intends to serve as the talent development platform, playing important roles in connecting Chongqing with Singapore, ASEAN and beyond.

“3+1+1”联合培养项目

"3+1+1" Joint Educational Programme

为加快“建设世界重要人才中心和创新高地”，助力“中新互联互通”以及“成渝双城经济圈”等国家战略的实施，新国大重庆研究院、新加坡国立大学与中国境内合作院校三方共同建“3+1+1”联合培养项目。通过新国大与国内部分“双一流”大学优势学科之间的强强联手，三方共同选拔和培养优秀青年人才。

Joint Educational programme is collaborated by NUSRI-CQ, NUS and partner universities in China, which aims to jointly cultivate innovative talents through leveraging and integrating world-class excellence from China and Singapore.



国际青年交流培养

Youth Immersion Programme

作为跨文化交流互动的平台，研究院定期组织国际学生来华交流体验，通过近距离感受当地的经济发展和社会生活的方方面面，帮助海外青年直观了解中国西南地区，尤其是重庆的经济、文化现状及未来发展机遇。同时，研究院也挑选优秀的中国学子赴新学习深造，开拓国际视野，了解世界前沿学术动态，提高科研能力。

NUSRI-CQ offers the Youth Immersion Programme for selected NUS undergraduate and graduate students. The programme is designed for the students to learn about social, cultural and economic development of Chongqing and western region of China. Through the close interaction and communication with local institutions, the international and local students can build a better cross-cultural understanding and a global mindset.



高端管理人员培训

Executive Education Programme

研究院着重依托本校师资团队，整合相关优质资源，结合地方政府规划及需求，向重庆及西部地区各级地方行政管理团队分享新加坡在社会经济发展等方面所取得的各项经验及成果，提升执政理念及管理水平。此外，研究院也将面向身处西部地区的企业高级管理人员，通过举办普适性或定制化的培训课程，帮助其更好地把握时代变革的脉络，熟悉国际商务规则，提升领导能力。

Singapore is known for adapting and implementing most advanced skills and practices in social, educational and industrial management. To share Singapore experience and knowledge, NUSRI-CQ mounts training programs on leadership, public policies, innovation and entrepreneurship, social and business management, meeting the rapidly growing demand for professional advancement arising from Chongqing and other major cities in Western China.

打造联通重庆、新加坡乃至世界的国际化、创新型高端人才培养基地
Serving as the talent development platform and playing important roles in
connecting Chongqing with Singapore, ASEAN and beyond



产业孵化 ENTERPRISE

研究院充分整合新加坡国立大学企业机构（NUS Enterprise）的创业资源与全球创新网络，致力于推动技术转移与商业化、国际科技项目孵化及全球市场拓展。依托国大创新中国研究院与BLOCK71全球孵化网络，新国大已在中国构建起充满活力的创业生态体系，成功培育超100家初创企业，助力早期项目对接全球市场与合作伙伴。

NUSRI-CQ harnesses the entrepreneurial resources and global innovation network of NUS Enterprise to drive technology transfer and commercialisation, international tech-startup incubation, and global expansion in Chongqing. Through NUSRI China and NUS Enterprise's BLOCK71, NUS has built a dynamic entrepreneurial ecosystem in China supporting over 100 start-ups and connecting early-stage ventures to global markets and partners. As an innovation hub for Central and Western China, BLOCK71 at NUSRI-CQ bridges the university's world-class research with a global entrepreneurial network, advancing sectors such as new materials and intelligent manufacturing, new energy, and life health. Leveraging NUS Enterprise's credibility and global reach, NUSRI-CQ attracts high-tech start-ups worldwide and fosters two-way technology exchange between China and Singapore, strengthening cross-border innovation and regional growth.

三大核心职能 Three Core Functions

新加坡国立大学重庆研究院国际科技产业中心，以三大核心职能驱动区域产业创新发展。

The Enterprise Division drives regional industrial innovation through its three core functions.



科技成果转化

Technology Transfer and Commercialization Pathway

聚焦研究院科研平台前沿技术，构建“基础研究-技术开发-产业应用”全链条转化体系。

打破技术壁垒：将实验室技术成果与知识产权转化为重庆产业的战略路径。

Building a full-cycle R&D transformation chain (basic research → tech development → industrial application) for platform technologies.

Bridging the Gap: Strategic pathways for transforming tech achievements & IPs from lab to industry in Chongqing.



国际科创企业培育

Global Innovation Incubation Ecosystem

面向全球科技创新企业，提供“初创孵化-成长加速-规模扩张”全生命周期服务。

Providing full lifecycle services—from startup incubation to growth acceleration and scale-up expansion—for global technology innovators.



全球出海支持

Global Expansion Support

产业中心为助力本土科技企业实现国际化布局，提供从战略到落地的“走出去”全流程赋能。我们依托新加坡国立大学的顶尖学术力量与全球产业网络，通过市场准入、技术产业化、资源匹配等核心服务，帮助企业夯实全球竞争力，成就卓越的价值创造。

Enterprise Division is dedicated to supporting local technology companies to map out internationally. From strategic planning to soft-landing, we empower companies through the "Going Global" initiative. Leveraging the top-tier academic resources and global industry network of the National University of Singapore (NUS), we deliver core services such as market access, technology industrialization, and resource matching. Our integrated approach helps companies solidify their global competitiveness and achieve outstanding value creation.



地图

MAP



金通大道
Jintong Avenue

嵩山中路
Songshan Middle Road

箭竹路
Jianzhu Road

恒山东路
Hengshan East Road



大竹林站
Dazhulin Station



竹林公园
Zhulin Park



新加坡国立大学
重庆研究院
NUSRI-CQ

兰海高速 (G75) Lanhai Expressway

金开大道
Jinkai Avenue

金开大道
Jinkai Avenue

📍 重庆市两江新区卉竹路2号重庆互联网产业园二期4号楼
Building 4, Chongqing Internet Industrial Park Phase 2,
Chongqing Liang Jiang New Area, Chongqing, China, 401120

☎ 023-67392300
🌐 www.nusricq.cn

新程共启 重聚未来

A New Journey A Shared Future



新加坡国立大学重庆研究院



新国大重研院国际科技产业中心