

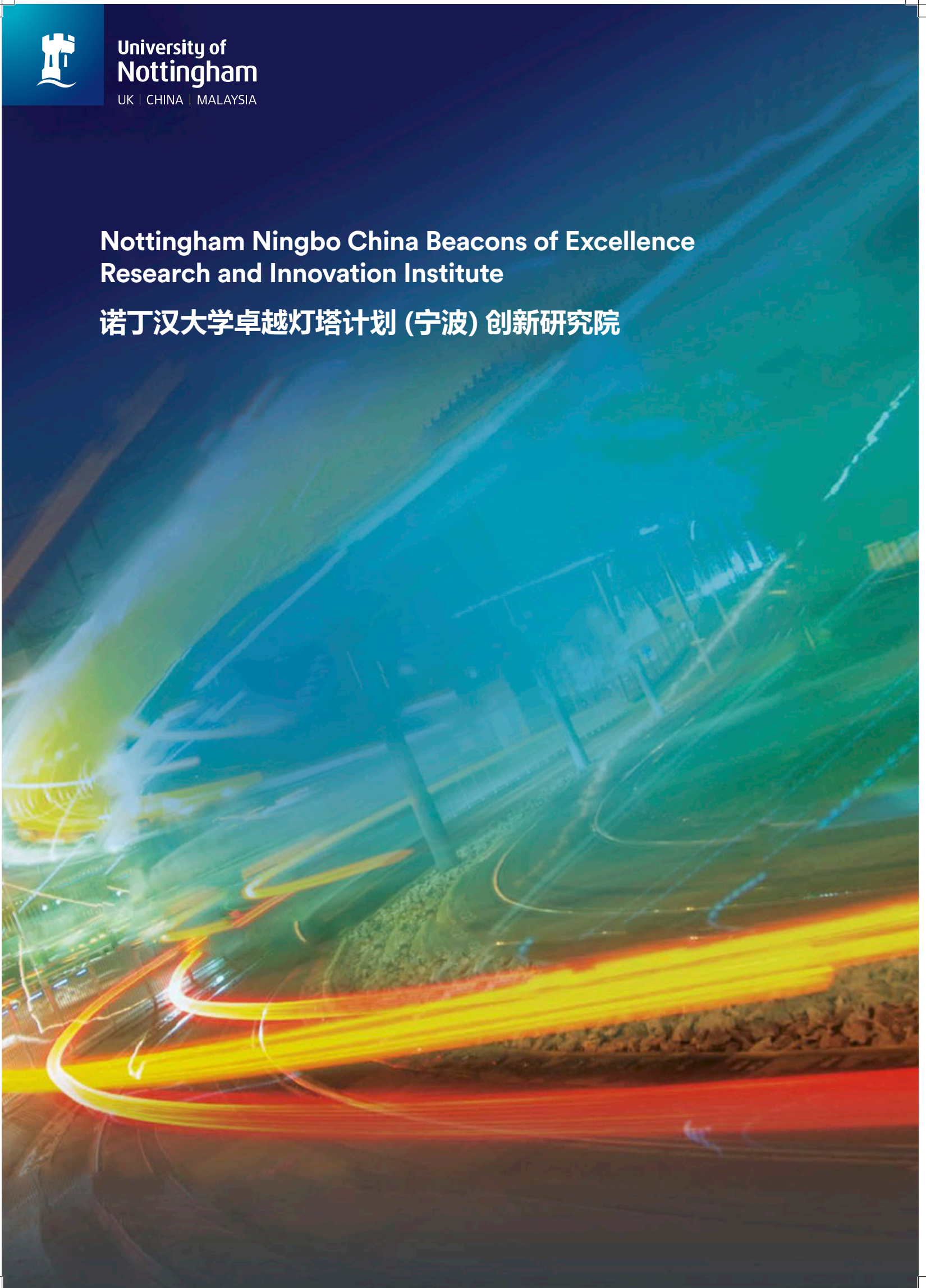


University of
Nottingham

UK | CHINA | MALAYSIA

**Nottingham Ningbo China Beacons of Excellence
Research and Innovation Institute**

诺丁汉大学卓越灯塔计划 (宁波) 创新研究院





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University of Nottingham Ningbo China

University of Nottingham

Founded in 1881, the University of Nottingham (UoN) is a world-class research university.

- A member of the Russell Group
- A founding member of Universitas 21
- Ranked 8th in the UK on the measure of “research power” in the Research Excellence Framework
- Obtained the Queen’s Anniversary Prize (for higher education)
- Delivered a Gold standard in the Teaching Excellence Framework (TEF)
- Nobel Prize Laureates in Economics, Medicine and Chemistry

In 2017, UoN launched the Beacons of Excellence Initiative that championed the University’s field-leading responses to global challenges, covering Precision Imaging, Propulsion Futures, Smart Industrial Systems and Green Chemicals.

The Beacons of Excellence Initiative at UoN has been widely recognised in the UK and Europe, with positive responses from industry. UoN integrates the innovation resources and strengths of the three campuses in the UK, China and Malaysia, and has brought over 300 research teams together. In addition, the Beacons of Excellence Initiative aims to attract a total of between 6 and 8 billion RMB from external funding sources by strengthening external partnerships and networks to ensure its sustainable development.

University of Nottingham Ningbo China

The University of Nottingham Ningbo China (UNNC) was the first Sino-foreign university to open its doors in China. Established in 2004, with the full approval of the Chinese Ministry of Education, UNNC is a collaboration between the University of Nottingham in partnership with Zhejiang Wanli Education Group, a key player in the education sector in China.

Vision

To be a university without borders, where we embrace the opportunities presented by a changing world, and where ambitious people and a creative culture will enable us to change the world for the better.

Mission

- We have inspiring campuses in three countries, energising us to be a globally engaged university that is also committed to making a difference in our cities and regions.
- We empower and support students and staff to collaborate in learning, scholarship and discovery across all realms of knowledge, solving problems and improving lives.
- We are stewards of a pioneering and entrepreneurial tradition of creativity and innovation.

Nottingham Ningbo China Beacons of Excellence Research and Innovation Institute

The Nottingham Ningbo China Beacons of Excellence Research and Innovation Institute (hereinafter referred to as "the China Beacons Institute") was jointly established by Management Committee of Ningbo National Hi-Tech Industrial Development Zone, University of Nottingham Ningbo China, and Zhejiang Wanli Education Group, under the framework agreement signed between University of Nottingham and Ningbo Municipal Government in September 2020. The establishment of the China Beacons Institute shows a combination of a world-class university with its advanced science and innovation and national development strategies and local social and economic development.

The China Beacons Institute will leverage the unique "Ningbo-based and global-oriented" advantages of UNNC. By introducing the key international technological and innovative resources of the Beacons of Excellence from the UK, the intention is to attract global technology innovation resources. This will allow the China Beacons Institute to focus on original research and cutting-edge new technology development, the aim being to establish a world-class scientific and technological innovation platform with innovative research, research achievement transformation, technology transfer and talent cultivation, in order to support and drive the industry development of Ningbo.

Vision

To create a Sustainable Innovation Eco-system with the integration of advanced technology research, outstanding talent cultivation and research knowledge transfer to turn ideas and dreams into reality

Mission

- To attract and cultivate outstanding researchers internationally
- To develop the most transformative and innovative research
- To unlock the best commercial potential of advanced technology
- To accelerate local innovation and enhance its global impact

Features

The China Beacons Institute will focus on four "ins", being international, interdisciplinary, innovative and interactive.



International



Interdisciplinary



Innovative



Interactive

Top talents acquisition

Recruit globally for outstanding talent and establish world-leading research teams.

Cutting-edge technology R&D

Focus on cutting-edge technologies, and undertake fundamental research to tackle the global challenges facing industries in China.

Innovation talent training

Build a global eco-environment for talent training tailored to the demand of Ningbo.

Disseminating science and technology achievements

Promote the transfer and dissemination of the science and technology achievements of the three campuses of the University of Nottingham to Ningbo City to support local industries.

Technology incubation

Encourage the transfer of research achievements from laboratories to market, and become an accelerator for hi-tech enterprises.

Innovation resource sharing

Share the research facilities with the public, and carry out exchange, cooperation and interaction to maximise efficiency.

International collaboration

Link to global innovation eco-networks, master the global trend of science and technology, build strategic research partnerships and improve the overall innovation capacity.



Excellence in innovation ignites the future

Strategy

Aimed at establishing a world-leading scientific research institute, the China Beacons Institute is guided by local strategies and needs, focusing on major scientific and technological projects and cutting-edge technological innovation. Intelligent Manufacturing, Green Chemicals and Energy, and Life Science and Healthcare are the three key research themes to promote innovation from a global perspective. The China Beacons Institute will gather global wisdom to build a first-class team of academics and lead the development of innovative industry. Through delivering steering, original and symbolic research outcomes, the Institute is committed to underpinning Zhejiang Province's goal of building scientific and technological innovation highland.

Key objectives include:

- 1** To establish the three Beacons of Excellence Innovation Centres in Intelligent Manufacturing, Green Chemicals and Energy and Life Science and Healthcare. The China Beacons Institute will establish several research and innovation laboratories reaching the standard of Provincial Key Lab /Yongjiang Laboratories. It will also develop several joint laboratories or engineering centres with the local industries in the areas closely linked to the “246” strategy.
- 2** To establish an excellent research team through secondment from the University of Nottingham, internal recruitment and research engagement, global recruitment campaigns, and inter-campus collaboration. Between 60 and 80 high-level researchers will be recruited, among whom are targeted to be equivalent to the level of “National Thousand Talents Plan” recipients or academicians of the Chinese Academy of Sciences or the Chinese Academy of Engineering.
- 3** To establish an International Innovative Doctoral Education Base and train between 400 and 500 PhD students with global insights and industry experience.
- 4** To promote cooperation in innovation and entrepreneurship between China and the UK; to develop a Public Technology Platform, Technology Accelerator, IP and Commercialisation Office, International Technology Transfer Centre and Investment and Financing Office, forming an innovation and entrepreneurship eco-system and culture.
- 5** To achieve high-level innovation capacity and competitiveness, and to produce high-level research outputs; to apply for and secure external income via knowledge transfer, technology training, technology services, commissioned research and government funding at all levels.

Governance Structure



The Council is the highest decision-making body of the China Beacons Institute. The China Beacons Institute will have a Steering Committee, consisting of advisors from UoN and other leading experts. The main responsibility of the Steering Committee is to provide guidance on key issues such as the Institute's development strategy, medium and long-term development plan, annual plan and targets, operation mechanisms, major policies, etc., with the aim of promoting the smooth operation and development of the Institute.

The Institute is composed of five core business modules:

1. The core of "Research and Development" is the three Research and Innovation Centres in Intelligent Manufacturing, Green Chemicals and Energy, and Life Science and Healthcare. With the key focus on cutting-edge technologies, three Research and Innovation Centres will carry out frontier and applied research, and develop independent core technologies, with the aim of serving industry development and driving regional innovation.
2. "Technical and Analytical" includes Computing Centre, Analytical Centre, Advanced Manufacturing Centre and Technical Service Centre. With the principle of "open and shared resources in terms of research facilities, space, technology and talents", it will provide analysis, testing, consultancy and other technical services to research institutes, universities and industries.
3. "Research Innovation and Knowledge Exchange" includes Research Innovation and Knowledge Exchange, and will provide space, facilities and services for pilot-scale test and manufacturing for the projects and technologies from the Institute with commercialisation potential and market demand. It aims to accelerate the development of mature technology, towards production and market-readiness.
4. Talent Training includes the PGR Office and Postdoc Office. Talent Training will provide high-quality Master of Research and PhD education to train high-level talents with global insights and industry experience in order to satisfy the local demand for high-level innovation talents.
5. Operation and Administration includes Estate Office, HR office, Finance Office, Procurement Office, Marcomm Office, Legal and Assurance Office and Health and Safety Office, which will support the administrative support of other units of the Institute.



Research Areas

Intelligent Manufacturing

Aiming to assist global partners with research on precision manufacturing, green energy saving and smart automation technology, the China Beacons Institute will focus on intelligent technologies, including but not limited to:

- Ultra-precision machinery manufacturing technology and systems;
- High-performance motor drive control technology;
- New nanomaterials and electronic devices;
- System intelligent decision-making optimization.

The China Beacons Institute will cooperate with government to build the intelligent manufacturing incubation, which promotes the high-quality innovation of the industry and enhances competitiveness of manufacturing in Yangtze River Delta.



Green Chemicals and Energy

In response to the sustainable development of industry and the needs of international energy and the environment, the China Beacons Institute aims to assist with the development of new green energy and environmental-related technology to help the industry conquer barriers. It will establish a world-leading energy technology and focus on research on green chemistry and engineering, distributed energy of organic waste, and urban mineral resources. It is committed to leading global partners to promote the development of emerging energy and environmental protection industries.



Life Science and Healthcare

From preventative medicine to medical materials and big data, a significant amount of research resources will be devoted to Life Science and Healthcare. The China Beacons Institute will have a focus on research projects which include evidence-based medicine, biomedical imaging technology and equipment, future health medical equipment, smart food, translational research, big data and clinical research, health economics to contribute to a high value-added medical industry.



Talent Recruitment

The China Beacons Institute is located in Ningbo Yongjiang Science and Technology Corridor in Ningbo National Hi-Tech Industrial Development Zone. The site to be constructed will consist of 130,000 square meters of real estate with the core concept of "open and sharing". The intention is for the newly constructed site to be opened in 2025. In the interim, a temporary solution has been established based on facilities in UNNC and in a separate, newly refurbished building in Ningbo National Hi-Tech Industrial Development Zone.

With part of the mission of "acquiring high-level experts and establishing world-class research teams", the China Beacons Institute has committed to recruiting high-level researchers via global recruitment campaigns.

In addition, the China Beacons Institute will launch a series of internal funding schemes to encourage and support early-career researchers to become national-level talent with international visibility. Besides an internationally competitive package, the China Beacons Institute will offer research funding support and PhD student support to Principal Investigators and above to establish their laboratories and form their teams.

Vacancies

- Outstanding Principal Investigators
- Principal Investigators
- Senior Investigators
- Investigators



Search for more details

Remuneration, Benefits and Support

The China Beacons Institute offers internationally competitive salary package and a range of benefits and entitlements, including accommodation allowance, insurance, schooling support, home flight, relocation & repatriation support, and paid annual leave. Start-up research funding may also be provided based on research needs.

Enquiries and how to apply

Informal enquiries and applications may be addressed to Mary Comer at WittKieffer via email to mcomer@wittkieffer.com

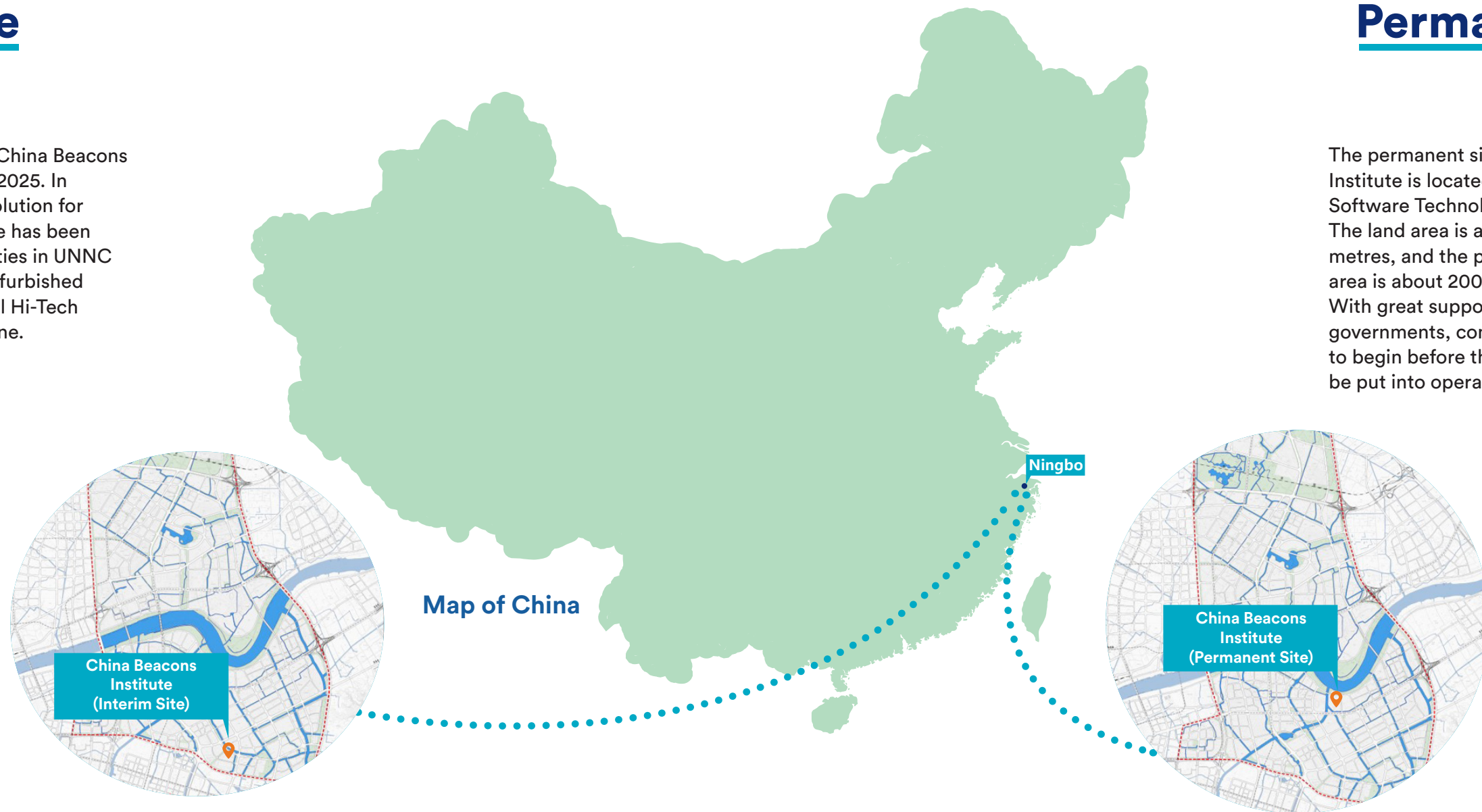
Applications should include a full academic CV and a cover letter which addresses the key selection criteria.

Interim Site

The permanent site of the China Beacons Institute will be opened in 2025. In the interim, a temporary solution for the China Beacons Institute has been established based on facilities in UNNC and in a separate, newly refurbished building in Ningbo National Hi-Tech Industrial Development Zone.

Permanent Site

The permanent site of the China Beacons Institute is located in the School of Software Technology, Zhejiang University. The land area is around 133,000 square metres, and the planned construction area is about 200,000 square metres. With great support of the city and district governments, construction is scheduled to begin before the end of 2021, and will be put into operation in stages in 2025.



About Ningbo

Ningbo City

Being one of the first Coastal Open Cities and a Sub-Provincial city, Ningbo is also listed as part of the State Economic Plan of China. As one of the state-listed famous historical and culture cities, Ningbo enjoys its fame as the economic centre of the southern wing of the Yangtze River Delta, as well as being recognised as a national advanced manufacturing base.

Recent years have seen Ningbo play an active role in state-level pilot projects, such as the Comprehensive Experimental Zone for the Construction of “the Belt and Road” Initiative, Yangtze River Delta Regional Integration, the National Independent Innovation Demonstration Zone, and the “17 plus 1” Economic and Trade Cooperation Demonstration Zone. Ningbo’s economic and social development continues to be at the forefront of high-quality development. Ningbo port’s cargo throughput has been ranked No. 1 in the world for 12 consecutive years. The total industrial output has ranked Ningbo first in Zhejiang Province, with its total GDP value ranked 12th in China. Ningbo was also entitled a “National Civilized City” for the 6th year running.

Recent years have also shown Ningbo’s efforts in stepping up talent recruitment and in building the city into a youth-friendly city. In order to boost Yangtze River Delta integration, strategic platforms including Ningbo Qianwan New District and Yongjiang Science and Technology Innovation Corridor have been established, with a focus on key industrial areas such as Advanced Materials, Industrial Internet, and Key Basic Parts manufacturing.

A series of “1+X” measures have been implemented in order to build an optimal city for talent ecology, with the support of a variety of platforms including the Zhejiang Innovative Centre, the Ningbo Collaborative Innovation Centre for Overseas Engineers, the Academician Family, Ningbo Talent Family. Ningbo hosts 45 national manufacturing single champion enterprises in total, ranking 1st in China. Up to 1121 talent groups are supported through the city-level talent induction programme, with 4 listed companies established by national talents.

Choose Ningbo for a brighter future!

Ningbo National Hi-Tech Industrial Development Zone

The Ningbo National Hi-Tech Industrial Development Zone is a key science and technology innovation platform for the Ningbo Municipal Government to implement innovation-driven development strategy with the efforts of the whole city.

As the core area of Ningbo Independent Innovation District, Ningbo National Hi-Tech Industrial Development Zone fully implements the strategy of “Innovation-driven Development”. It also further promotes development by integrating “Science, Industry and City” together, in order to establish a global top-class and domestically-leading new material innovation centre, a core engine that drives Ningbo’s innovation, is a bellwether among industrial competitions, a test field of reform and innovation, and a model for urban construction.

In recent years, with the continuous enhancement of regional science and technology innovation and comprehensive economic strength, the Ningbo National Hi-Tech Industrial Development Zone has been appraised as a national-level overseas high-level talent innovation and entrepreneurship base, as well as being recognised as a member of the top group of integrated science and finance testing areas nationally.





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Address: No. 211 Xingguang Road, Ningbo, Zhejiang Province, PRC
Telephone: 86 (0) 574 8818 0000-8119
Email: CBI@nottingham.edu.cn
Website: www.nncbi.org.cn



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