Our Objectives:

• Developing Entrepreneurial Talent (NOC, MSc, RAP)

• Creating Deep-Tech Ventures (GRIP)

• Building Global I&E Gateways (BLOCK71 & NUSRI)

• Engaging the Ecosystem (Corporate Innovation, Innovfest)
NUS Innovation & Entrepreneurship Eco-System

- Intellectual Properties From Research
- Entrepreneurial Talent Development: NOC, MSc, RAP, (LLP)
- Deep Tech Venture Creation: GRIP
- Startup Global Eco-System: BLOCK71 locations like Suzhou, The Hanger, Corporation Innovation, Innovfest Unbound, Innovfest Suzhou
- IP Management & Licensing
NUS is Singapore’s flagship university
Our reputation for excellence is built on
Education and research innovation
Discoveries and initiatives that
contribute to country and society
As a leading global university centred in Asia, we nurture students to understand Asia and the world.
National University of Singapore (NUS)

- **1905**: The Straits Settlements and Federated Malay States Government Medical School is founded at Outram, where Singapore General Hospital stands today.
- **1913**: The School is renamed the King Edward VII Medical School making it the first institution of higher learning in Singapore.
- **1921**: The Medical School becomes the King Edward VII College of Medicine.
- **1928**: Raffles College is established at Bukit Timah to provide tertiary education in the arts and sciences.
- **1949**: Raffles College merges with the King Edward VII College of Medicine to form the University of Malaya, the first university for the people of Singapore and the Federation of Malaya.
- **1955**: Nanyang University, a privately funded Chinese university, opens its doors.
- **1962**: The Singapore campus of the University of Malaya becomes an autonomous institution known as the University of Singapore.
- **1980**: The National University of Singapore is established with the merger of the University of Singapore and Nanyang University.

A Leading Global University Centered in Asia
Innovation & Impact

NUS aspires to be a leading global university centred in Asia, characterised by world-class education and scholarship, distinguished by our special expertise, thought-leadership and connections in Asia.
National University of Singapore (NUS)

It is a world leader in teaching, research and entrepreneurship. It has more than 40,000 students from more than 100 countries and regions around the world.

NUS has 17 colleges offering undergraduate and postgraduate degree programmes, more than 2,600 faculties and more than 4,000 full-time researchers.
We are Asian and Global

- 1st in Asia
- 4th Globally
- 10th Globally
- 23rd Globally
- 24th Globally

2019 *QS World University Rankings: Asia
2018 US News & World Report's Best Global Universities in Asia Rankings

2017 **THE Most International University Rankings

2018 **Global University Employability Ranking

2019 **THE World University Rankings

2018 **THE World Reputation Rankings

*Quacquarelli Symonds
**Times Higher Education
WORLD’s TOP 10 FOR 11 SUBJECTS
NUS Research

Conduct research of **global impact** in support of national objectives

Achieve peaks of excellence across interdisciplinary research

Bring research discoveries to application and commercialisation
4 Research Centres of Excellence

- Centre for Quantum Technologies
- Cancer Science Institute of Singapore
- Mechanobiology Institute, Singapore
- Singapore Centre on Environmental Life Sciences Engineering (in partnership with NTU)

30 Research Institutes & Centres
NUS (Suzhou)
Research Institute
Our first overseas research institute

First foreign university to set up a research institute within the Suzhou Dushu Lake Science and Education Innovation District of Suzhou Industrial Park
Yale-NUS, a leading liberal arts college in Asia which offers a new model of liberal arts & science education for Asia and the world

Groundbreaking partnership with Yale University
Building bridges, building alliances

IARU - International Alliance of Research Universities

APRU - Association of Pacific Rim Universities

AUN - ASEAN University Network

AUA - Asian Universities Alliance

U21 - Universitas 21

WEF - Global University Leaders Forum

International Alliance of Research Universities
Our distinctive global programs

NUS Overseas Colleges
Student exchange and internships
>70 double, joint and concurrent degrees with top universities
>300 partner universities in 40+ countries for student exchange experiences
Developing Entrepreneurial Talent
NUS Overseas Colleges (NOC)

- Immersion in 11 global entrepreneurial hubs
- Full-time start-up internships
- Part-time entrepreneurship classes
- Singapore Signature University Student Program
Alumni-founded start-ups

Alumni involved in Innovation & Entrepreneurship ecosystem

>2800 Alumni

>650 Alumni-founded start-ups

>79%
What’s Ahead for NOC

• Launching NOC PhD program in 2020
One-year program

Experiential approach

Venture creation focus

Launching in 2020

MSc in Entrepreneurship (Venture Creation)

- One-year program
- Experiential approach
- Venture creation focus
- Launching in 2020
Residential Accelerator Program (RAP)

- Three-month program
- Targeted at professionals interested in deep-tech start-ups
- Preferential access to NUS IP reservoir
Creating Deep-Tech Ventures
Graduate Research Innovation Program (GRIP)

- 1-year venture creation & incubation program
- For graduate students and research staff
- Aims to increase commercialization of NUS research and technologies
GRIP Start-Ups

- Graduated 40 teams to date
- Goal to spin-off 250 companies over 5 years
- Up to S$100K in funding provided to teams
- >40 graduated teams to date
What’s Ahead for GRIP

- Integrating with NOC
- Forging investment partnerships
- Developing post-program support
Incubatee /year >300+
Tech driven Startups /projects

- Material manufacturing
- Advanced materials
- Water agriculture technology
- AR/VR virtual reality
- Artificial intelligence biotechnology
- Medical and health care
- Blocks chain network security
- Privacy data science
- Analysis

- Energy and environmental
- (SaaS) enterprise service
- Financial
- Hardware
- Food science
- Information and communication
- Unmanned aircraft
- Machine learning
- Robot sensor
Promising spin-offs

- **UNUM Therapeutics**: Immunotherapy biotech; raised > SGD100M since 2014
- **Clearbridge BioMedics**: Biomedical engineering spin-off; raised SGD9M in Series B in 2013
- **MEDAD Technologies**: Adsorption desalination technology; winner of BlueTech Award at 2014 SIWW
- **AYOXXA**: Microarray technology; POC recipient; closed > €11M in financing
Successful start-up acquisitions

- 2010: McAfee
- 2012: StubHub (an eBay company)
- 2013: To The New
- 2014: Zendesk
- 2015: Lippo Group
- 2017: Howdy
NUS Innovation & Enterprise Community
Building
Global Innovation & Entrepreneurship Gateways
BLOCK71

- A tech ecosystem builder & global connector
- Aggregator for the start-up community
- 7 locations in 6 cities and 4 countries
Global Reach and Access to:
• 670+ NUS Patents (FY14-18)
• 2400 NUS Research-Active Faculty
• >150 Pitch Opportunities Per Year
• 400+ Workshops, Meet-Ups and Kopi Chats
• 600+ Total Incubatees Since 2011
BLOCK71 around the world

SINGAPORE

BANDUNG

SAN FRANCISCO

JAKARTA

YOGYAKARTA
Supporting a Two-Way Flow of Talent, Technologies & Start-ups through NOC and BLOCK71 programs, exchange partnerships & access nodes
"We are committed to building a vibrant international innovation and entrepreneurship ecosystem, building a broad platform that connects international science and technology, start-ups, investors and other resources, providing them with a variety of services and expanding domestic and overseas markets."
NUSRI Enterprise & BLOCK71 Suzhou

- Deep-tech Launchpad for Singapore Tech Startups and SMEs for Yangtze Delta

Supporting Start-ups (BLOCK71 Sz)

Providing technology start-ups Market Access Resources (business platforms, networks, soft-landing resources, etc.)
- Professors, researchers, PhDs and alumni (>40%)
- Entrepreneurs from Singapore, China and other countries
- BLOCK71 Suzhou #1 and #2
- Through InnovFest Suzhou
- Leveraging key China startup partnerships
- Space

Promoting Technology-2-Market
- NUSRI Research (9 licenses, 66 inventions arising from NUSRI)
- NUS & Research Institutes
- Through InnovFest Suzhou

Nurturing innovation, Cultivating Global Mindset
- Spearheading Master Degree in innovation and entrepreneurship
- Nurturing entrepreneurial mindset, promoting internships with China Tech Companies (working with NUS FoE, NOC)
- Entrepreneurship and innovation events, Corporate Challenges
- Bridging China Innovations with BLOCK71 network in ASEAN and Silicon Valley.
Collaboration between NUSRI and NUS Enterprise
Focusing on deep tech startups
Since May 2013
4000m² / 27 Individual Offices/ 500+ Workstations
Collaboration between: NUSRI, NUS Enterprise, Ascendas-SingBridge China

Expanded space for eco-system tech startups and service providers

Since 21st Jan 2019

500m² / 9 Individual Offices/ 100 Workstations
### Profile of Incubatees

<table>
<thead>
<tr>
<th></th>
<th>NUS Researchers</th>
<th>NUS PhDs Alumni</th>
<th>Other NUS Alumni</th>
<th>Other Singaporean entrepreneurs</th>
<th>International entrepreneurs</th>
<th>Chinese entrepreneurs</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total incubatees</td>
<td>13</td>
<td>5</td>
<td>7</td>
<td>10</td>
<td>2</td>
<td>39</td>
<td>76</td>
</tr>
<tr>
<td>On-site incubatees</td>
<td>9</td>
<td>4</td>
<td>6</td>
<td>5</td>
<td>2</td>
<td>17</td>
<td>43</td>
</tr>
</tbody>
</table>

#### Total incubatees

- **46%** NUS Researchers
- **19%** NUS PhDs Alumni
- **7%** Other NUS Alumni
- **13%** Other Singaporean entrepreneurs
- **9%** International entrepreneurs
- **3%** Chinese entrepreneurs

#### On-site incubatees

- **39%** NUS Researchers
- **21%** NUS PhDs Alumni
- **14%** Other NUS Alumni
- **12%** Other Singaporean entrepreneurs
- **9%** International entrepreneurs
- **5%** Chinese entrepreneurs
BLOCK71 Suzhou

76 incubated enterprises, 43 currently

850+ staffs in the incubating companies

RMB 800 million equity funding raised.
Total valuation > RMB 2.5 billion

Helped 30+ entrepreneurs get all kinds of talents
titles and support from local government (Over
RMB 45 million grants)

160+ entrepreneurial activities held.
9800+ participants
Technology resources, Market network and VC resources

**Technology resources**
- NUS & Research institutes
- NUSRI Research
- BLOCK71 Global Network

**Market network**
>1,000 companies network
Including industrial enterprises, service enterprises, etc.

**VC resources**
>100 local and international VCs
Local China Government policies and grants

- Policy for Science and technology talents
- Policy for science and technology enterprise qualification
- Supporting policies for science and technology finance
- Subsidy policy for R&D

Provide comprehensive government policy declaration advisory, counseling services according to different types of enterprises.
VVIP Guests Visiting

Visited by then Singapore Deputy Prime Minister TEO Chee Hean in 2014

Visited by SHI Heping, then vice governor of Jiangsu province, in 2014
Lanuching ceremony of BLOCK71 Suzhou witnessed by Singapore and China leaders in 2017

BLOCK71 Suzhou Incubatee--PATSNAP visited by Minister of Finance HENG Swee Keat, Current Prime Minister of Singapore
Engaging the Ecosystem
Corporate Innovation Enabler

200 Corporate Partners * 2000+ Submissions

**Accelerators**
- ICE71 (Cybersecurity)
- Modern Aging (Health & Wellness)
- PIER71 (Maritime)
- SIA (Aviation)

**Innovation Programs**
- Bayer
- ComfortDelgro
- Danone
- DSTA
- L’Oréal
- LTA
- Shell
- SMRT
InnovFest

- Southeast Asia’s largest innovation festival
- >13,000 attendees in 2019 from over 100 countries
Hosted and organized by NUSRI in close partnership with NUS Enterprise and BLOCK71 Suzhou,

Innovfest Suzhou is committed to becoming one of China’s leading technology and startup platform to promote technology licensing and business collaboration at the eastern part of China.

Providing Singapore and overseas tech owners and companies a premium platform to find investors, collaborators, partners and enterprise customers.

Guest of Honor 2019:
Ms. Indranee RAJAH, Minister in the Singaporean Prime Minister’s Office and Second Minister for Finance and Education
Dr. KOH Poh Koon, Senior Minister of State at Ministry of Trade and Industry, Singapore
Innovfest Suzhou 2019

118 presentations
39 exhibition booths and 7 concept projects
6 NUS GRIP startups participated
89 technologies and products were shared, 49 of them come from Singapore

704 attending companies and organizations: including
493 tech companies, 70 investment firms, 110 universities and research institutes
More than 1330 participants
100 matching meetings
More than 71 media reports
Innovfest Suzhou 2015-2019

They joined us in 2019:

- Huawei
- Tencent
- CapitaLand
- Sinopharm
- Boston Scientific
- Fosun Pharma
- Lenovo
- GGV Capital
- Connect
- Innov8
- Shanghai Firma
- IFLYTEK
- INNOVENT
- Watermark
- Sembcorp
- Sinica
- TF
- Patsnap

Number of attendees:
- 2015: 300
- 2016: 500
- 2017: 620
- 2018: 1,160
- 2019: 1,330

Enterprises attended:
- 2015: 113
- 2016: 164
- 2017: 458
- 2018: 696
- 2019: 704

Exhibition booths:
- 2015: 26
- 2016: 44
- 2017: 70
- 2018: 104
- 2019: 118

Project of presentations:
- 2015: 25
- 2016: 33
- 2017: 35
- 2018: 35
- 2019: 39
许宝琨：创新是推动新中经济发展关键动力

媒体覆盖

2019年09月26日 星期四

第五届中新国际科技交流与创新大会
深化中新合作

汇聚人才，聚力创新|新国大苏研院举办第五届中新国际科技交流与创新大会——深化新苏科教创新合作，提升创新驱动产业效能

江苏 > 本网专稿

2019年9月25至27日，新加坡国立大学苏州研究院（以下简称“新国大苏研院”）举办第五届中新国际科技交流与创新大会。新方参会的有新加坡总理公署部长兼财政及教育部第二常任秘书林文楷（Indranee Rajah），新加坡贸工部高级政务部长许文瑞，新加坡商务和创新部长陈振声，新加坡国立大学商学院副院长（国际）克拉克·杰克逊（Clarke Jackson）等。中方参会的有苏州市委副书记杨为超，苏州工业园区党工委副书记、管委会主任陆晨，苏州工业园区党工委委员、管委会副主任韦钢，苏州工业园区党工委委员、苏州国际合作公司董事长陈振辉，苏州国际合作公司副总经理李建平，苏州国际合作公司纪委书记、工会主席张中华等领导。
NUS Innovation & Entrepreneurship Eco-System

- Intellectual Properties From Research
- IP Management & Licensing
- Entrepreneurial Talent Development: NOC, MSc, RAP, (LLP)
- Deep Tech Venture Creation: GRIP
- Startup Global Eco-System: BLOCK71
  - locations like Suzhou, The Hanger, Corporation Innovation, Innovfest Unbound, Innovfest Suzhou
Thank You!
nus.edu.sg
enterprise.nus.edu.sg