



香港中文大學  
The Chinese University of Hong Kong

# The Chinese University of Hong Kong

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# FOREWORD

Founded in 1963, The Chinese University of Hong Kong (CUHK) is a comprehensive research university with a unique mission: to combine tradition with modernity, and to bring together China and the West. Over the years, CUHK has evolved into an internationally recognised beacon of academic excellence.

CUHK's diverse and multicultural campus attracts students from Hong Kong and around the world. As the only university in Hong Kong offering a collegiate experience, CUHK places equal emphasis on students' intellectual and moral development, providing opportunities for whole-person growth. Our academic programmes prepare students to meet the challenges and grasp the opportunities of today's interconnected and dynamic world by offering them a deep, broad and enriching educational experience.

Our eight academic Faculties, together with some 300 research institutes and research centres, are driving forces behind many groundbreaking advances in research and innovation. Numerous discoveries in fields such as biomedical science, robotics, AI, and green energy are benefitting humanity. Our academics come from all over the world, continuously taking our research and innovation to new heights.

Over the years, we have developed extensive international partnerships that have enriched the University's education and research agenda. Hong Kong's strategic position within China, particularly in the Guangdong-Hong Kong-Macao Greater Bay Area, presents an abundance of exciting opportunities for CUHK to capitalise on our scholarly capabilities to drive innovation and sustainable development.

Amidst rapid changes such as globalisation, technological advancements, political and economic developments, and digital transformation, CUHK has stood the test of time by staying true to its core values. It has transformed from a young university into a fully-fledged 21st century academic institution, nurturing countless brilliant minds whose achievements extend far beyond academia and into society as a whole.

We look forward to collaborating with our partners worldwide to achieve even greater success, while expanding our impact to benefit the global community.

**Dennis Lo Yuk-ming**  
Vice-Chancellor and President



# CUHK AT A GLANCE



## The Chinese University of Hong Kong

is a highly esteemed, forward-looking comprehensive research university, recognised for excellence both regionally and globally. Founded in 1963, it is the second oldest university in Hong Kong.

With a founding philosophy to combine tradition with modernity and to bring together China and the West, CUHK sets itself apart from the others with its deep roots in Chinese culture, its emphasis on bilingualism and multiculturalism, and a unique college system. As a university with a worldwide footprint, CUHK teachers and students hail from across the globe with a network of over 280,000 alumni.

Boasting a galaxy of distinguished scholars and researchers who gained recognition worldwide for their contributions to education and research, CUHK aims to promote interdisciplinary research that delivers benefits, tackles grand challenges, and fulfils societal needs locally, nationally, and globally.

As a top 50 university in the world, CUHK is consistently recognised for its research performance, innovation endeavours, education paradigm, civic responsibility, and international engagement. Our dedication to cultivating global connections and achieving excellence with purpose and responsibility contributes to realising the aspirations of Hong Kong to become an influential nexus for knowledge and innovation.

## A Focus on Student Development

CUHK is the only university in Hong Kong that offers a collegiate system, with a wide range of non-formal learning opportunities that complement formal curricula.

The nine colleges of the University are congenial communities with their own hostels, dining halls and other facilities. They are designed to help students develop interpersonal skills and cultural sensitivities, while building their confidence and sense of social responsibility. Providing pastoral care and whole-person education, each college is a closely-knit community that enables students to reach their full potential.

## A Space to Learn and to Grow

CUHK has the largest, greenest and most scenic campus in the city. Designed for sustainability, the 137.3-hectare campus houses contemporary learning facilities as well as a range of cultural, sport, and social amenities together with a teaching hotel, a teaching hospital, an Art Museum and a Museum of Climate Change. The campus is conveniently connected to the MTR system and all parts of the city.



# EDUCATION

## A Leader in Higher Education

CUHK prides itself in its dedication to education. We nurture students to be responsible global citizens capable of making lifelong contributions to society. Students benefit from a curriculum that is characterised by bilingualism, multiculturalism and a discipline specialty. It is complemented by an award-winning general education programme of broad-based relevance, which has been a hallmark of CUHK undergraduate education.

CUHK offers a wide range of academic programmes leading to bachelor's, master's and PhD degrees through our eight faculties and a graduate school, including one of only two medical schools in Hong Kong.

Given our geographical location, traditions and ties, CUHK enjoys special advantages in the study of Chinese culture, society and business. Different specialties in engineering and science command world-leading positions, while our business, law and medical schools are highly regarded for their professional training and seminal research.

We offer undergraduate programmes centred on a four-year credit-based curriculum, as well as various postgraduate programmes that are widely recognised throughout the world. We also provide Hong Kong's first university-wide Co-Operative Education Programme (Co-Op@CUHK) and a series of MOOCs on various platforms with a wide regional and global reach.

In partnership with world-renowned universities, we offer some 30 dual degree and joint teaching programmes that prepare our students for international careers. Notable examples include a dual undergraduate degree programme with Waseda University and a joint PhD student supervision programme with the University of Exeter. Besides, an Interdisciplinary Data Analytics & X Double Major Programme is offered in collaboration with the Shenzhen campus to provide students with an immersive educational experience in the emerging southern Chinese megalopolis and to contribute to the region's talent pool.

## Teaching of the Highest Quality

CUHK has been consistently commended in quality audits carried out by Hong Kong's University Grants Committee (UGC) for providing a high standard of teaching and learning, a high-quality student learning experience and its achievement in international outreach.

The University's general education programme receives accolades locally and internationally for its design and implementation. Besides, the Association of Pacific Rim Universities (APRU) Virtual Student Exchange Programme, developed and managed by CUHK, was 'Highly Commended' for International Strategy of the Year at the Times Higher Education (THE) Awards Asia 2021.

Taking pride in the quality of education we offer, we are committed to continuous improvement in order to provide the best learning experience for our students.



## Student Awards and Accolades

1. Vivian Kong, a Juris Doctor student, won a gold medal in the women's individual épée at the 2024 Paris Olympics. In the Hangzhou 2022 Asian Games, 16 students and alumni garnered 11 medals: one gold, two silvers and eight bronzes.
2. Representing Hong Kong, the robotics team from CUHK Engineering and Medicine triumphed at the top-notch Asia-Pacific Broadcasting Union's Asia-Pacific Robot Contest 2024, marking their third championship title.
3. A student team earned the International Sustainability Award under the James Dyson Award for its 'E-COATING' invention to reduce indoor building temperature without using electricity, making it the first team from the Greater China region to have received this honour.



## International Education Programmes

CUHK is committed to making global learning accessible to its students by developing opportunities that allow them to benefit from international education without travelling.

- The APRU SDG Education for Global Citizenship Programme connects students from across Asia Pacific to develop social innovation solutions to global challenges.
- The CUHK-Yonsei Underwood International College Cultural Industries Programme fosters cultural exchange and enhances the understanding of the design and creative industries in Hong Kong and Seoul.
- The Future 17: SDGs Challenge Programme equips students with skills for tackling 21st century global challenges in partnership with the University of Exeter and Quacquarelli Symonds.

## Graduates and Alumni Network

Our graduates are often readily accepted by prestigious overseas institutions of their choice for further degree studies. They are in great demand among local employers and multinational companies, and 94% of them are able to secure employment by September in their graduation year. CUHK graduates also consistently receive high ratings in government and private employer surveys.

A global network of over 280,000 CUHK alumni flourishes in all professions and sectors, from finance and IT to education and the civil service. These alumni contribute to the University by providing mentorship, career guidance and even early career launches.







# STUDENT EXPERIENCE

## Where Students Soar

A world-class university with a global outlook, CUHK offers a unique opportunity to excel in a stimulating intellectual environment alongside a cosmopolitan group of students in one of the world's most dynamic cities.

The student experience is at the heart of the CUHK education. We promote whole-person education and assist students to develop their full potential through artistic, sports, leadership and community service activities outside the classroom. We foster students' holistic development through social and civic engagement, enhancing their personal growth and contributing to developing a better world. To help students soar in their chosen fields, we also provide various enrichment programmes that strengthen their interpersonal, problem-solving and leadership skills.

As Hong Kong plays a strategic role in the national Greater Bay Area initiative, CUHK students are especially well prepared to take up career opportunities in mainland China.

## A Rich Multicultural Experience

Our home in Hong Kong, Asia's World City, offers a truly international experience in an environment where students from more than 80 countries live and study together on a culturally-integrated campus.

Full scholarships covering tuition and living expenses are offered to attract talent from within the region and around the world.

CUHK is a regional pioneer in international education. Since establishing our first student exchange partnership with the University of California system in 1965, we have accumulated six decades of international education experience.

CUHK broadens the student learning experience by providing abundant opportunities to undertake an exchange for periods ranging from a few weeks to a term or a year at 280 world-renowned partner institutions in over 35 countries and regions. Every year, about 6,000 students undertake an exchange or join experiential learning programmes such as research trips, field visits, internships, and service learning and cultural exposure programmes outside Hong Kong.

At the same time, over 2,500 visiting students come to CUHK annually, creating a melting pot of cultures on campus. Through various activities and programmes, students are brought together from different ethnic, cultural, socio-economic, and linguistic backgrounds.

The diverse student experience at CUHK, combined with excellence in teaching and a multicultural atmosphere, produces graduates who are future global leaders with the drive and ability to make lifelong contributions to society.

## Our International Students

### Jose Manuel Cervantes Sanchez

Jose from Mexico was awarded CUHK's University Admission Scholarship to major in Global Communication. He is most interested to study in Southeast Asia, especially Hong Kong, with its multicultural vibes and high-quality education. He considers CUHK to have unique advantages over other universities in Hong Kong, including its international reputation and academic atmosphere, as well as a wide range of general education programmes.

### Kuntapath Charusrojthanadech

Kuntapath from Thailand discovered CUHK at a university fair just before graduating from high school. She was impressed by the range of courses, scholarships and extra-curricular activities the University offers. Additionally, she believes that Hong Kong is the ideal place for her to immerse herself in Chinese language and culture, while also being conveniently close to home.



## Our Exchange Students

### Georgia May Tattersall

Georgia is a student from the University of Otago, majoring in Chinese studies and law. Supported by the Education New Zealand Prime Minister's Scholarship, she has spent a semester on exchange at CUHK. The unique blend of Western and Chinese cultures in Hong Kong made her feel at home almost immediately. She appreciates CUHK's ideal environment for enhancing her Chinese language skills and enjoys engaging in lively discussions with locals about cultural differences.

### Jiayin Yan

Jiayin joined the Formula student racing team at her host university, Graz University of Technology, collaborating with young Austrian engineers to build a racing car and compete globally. She experienced different competition cultures from that in Hong Kong. Her team achieved far more than she had anticipated, placing first in Autocross and Skidpad, and third in Acceleration in Formula Student Austria.





# RESEARCH



## World-class Research

Research is central to the vision and mission of CUHK. As a champion of research and innovation that creates value and benefits society, CUHK is recognised as a leading research university in Asia and among the best in the world.

Among our most notable research achievements are the advances we have made in liquid biopsy in prenatal testing and early cancer detection, biotechnological improvements of soybean, molecular analysis for cancer and metabolic disease detection and treatment, drug development for rare neurodegenerative diseases, network coding theory that has revolutionised data transmission and network applications, and AI and robotics for innovative technologies in biomedical and smart city applications.

With the support of a wide array of research institutes and centres, CUHK has long championed interdisciplinary research excellence on local, national and international levels. We encourage international research collaborations and have established a number of joint research units in partnership with eminent institutions in mainland China and abroad, all aimed at advancing knowledge across various subject areas and addressing some of the world’s challenges.

The strength, diversity and impact of our research are evidenced by the establishment of five State Key Laboratories entrusted by the Ministry of Science and Technology of China, 13 CUHK-led Areas of Excellence research projects supported by the Hong Kong University Grants Committee, and six InnoHK Centres under the Hong Kong Government’s flagship InnoHK initiative.

In line with the CUHK Strategic Plan 2021–2025, CUHK will focus on integrating research, innovation and enterprise into a dynamic and productive continuum, a superhighway that enables the translation of research into tangible benefits and the delivery of innovation to the world.

### Areas of Excellence

- Aging, Skeletal Degeneration and Regeneration
- AI-Powered Surgical Robots
- Centre for Genomic Studies on Plant-Environment Interaction for Sustainable Agriculture and Food Security
- Centre for Medical Engineering of Molecular and Biological Probes
- Centre for Organelle Biogenesis and Function
- Centre for Plant and Agricultural Biotechnology
- Centre for Research into Circulating Fetal Nucleic Acids
- Chinese Medicine Research and Further Development
- Information Technology
- Institute of Network Coding
- Probing the Fundamental Structure of Matter with High Energy Particle Collisions
- The Historical Anthropology of Chinese Society
- Using Data to Transform Diabetes Care and Patient Lives

### State Key Laboratories

- State Key Laboratory of Agrobiotechnology (CUHK)
- State Key Laboratory of Digestive Disease (CUHK)
- State Key Laboratory of Research on Bioactivities and Clinical Applications of Medicinal Plants (CUHK)
- State Key Laboratory of Synthetic Chemistry (Partnership with The University of Hong Kong)
- State Key Laboratory of Translational Oncology (CUHK)

### InnoHK Centres

- Health@InnoHK**
- Centre for Neuromusculoskeletal Restorative Medicine
- Centre for Novostics
- Microbiota I-Centre
- AIR@InnoHK**
- Centre for Perceptual and Interactive Intelligence
- Hong Kong Centre for Logistics Robotics
- Multi-Scale Medical Robotics Centre





## Strategic Research Areas

CUHK has identified four unique, yet complementary strategic areas of research which anchor the University's research focus under its Strategic Plan.



## China: Tradition and Modernity

As China takes centre stage in the world's economic, cultural and political arenas, understanding and engaging China is of critical importance to global development. CUHK possesses geographical and cultural advantages to spearhead various aspects of China research, with over 200 faculty members and a good number of centres and institutes devoted to various aspects of China studies.

### Related Research Centres

Centre for China Studies
Centre for Chinese Media and Comparative Communication Research
Centre for Comparative and Transnational Law
CUHK-Tsinghua University Joint Research Centre on Chinese Economy
CUHK-Zhejiang University Joint Research Centre for Digital Economy
Hong Kong-Shenzhen Finance Research Centre
Hong Kong Institute of Asia-Pacific Studies
Institute of Chinese Studies

### Chinese Economy

Prof. Michael Song of the Department of Economics is a renowned expert on Chinese economy and macroeconomics. In collaboration with Tsinghua University, Prof. Song is leading a project funded by the National Natural Science Foundation of China and Hong Kong's Research Grants Council on providing a quantitative and panoramic evaluation of China's industrial policies. The results will enable a deeper understanding of the modern Chinese economy and open vital discussions on future policy design, particularly the initiatives of the Guangdong-Hong Kong-Macao Greater Bay Area. He also leads a long-term project funded by the Becker Friedman Institute at The University of Chicago on growth and development in China.







## Innovative Biomedicine

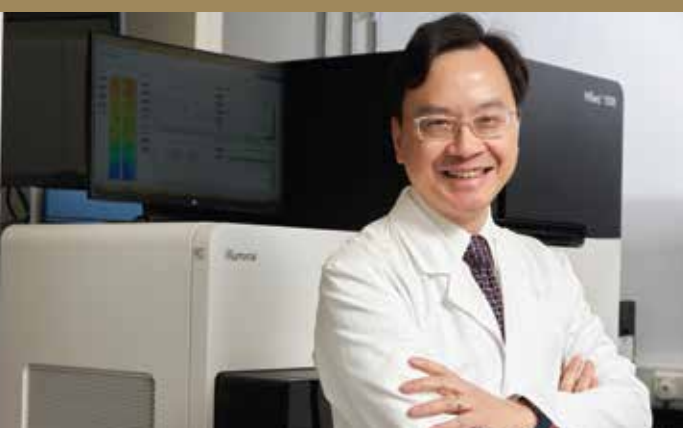
With an ageing population in many parts of the world and the sporadic emergence of global infectious disease threats, biomedical research is essential to defending, upkeeping and enhancing public health. CUHK is a world leader in genetic, genomic and precision medicine. It is a pioneer in various fields, including non-invasive prenatal testing, cancer liquid biopsies, and the genomics of cancers prevalent in Asia.

### Related Research Centres

Hong Kong Institute of Integrative Medicine
Hong Kong Cancer Institute
Hong Kong Institute of Diabetes and Obesity
Institute for Tissue Engineering and Regenerative Medicine
Li Ka Shing Institute of Health Sciences
Lui Che Woo Institute of Innovative Medicine

### Prenatal Diagnosis

Regarded as one of the most impactful breakthroughs in the global scientific community, Prof. Dennis Lo Yuk-ming, Li Ka Shing Professor of Medicine, discovered the presence of cell-free fetal DNA in maternal plasma and pioneered a non-invasive DNA blood test for Down syndrome that has benefited millions of women globally. The work provides a foundation for non-invasive prenatal tests for multiple genetic diseases. Prof. Lo is also advancing the use of a similar approach for the early screening of cancers. Prof. Lo has received multiple prestigious international awards, including the 2022 Lasker~DeBakey Clinical Medical Research Award, the 2021 Breakthrough Prize in Life Sciences (also known as the 'Oscars of Science'), the 2021 Royal Medal in Biological Sciences by the Royal Society of London, and the inaugural Future Science Prize in Life Sciences in China in 2016. Additionally, he was elected as a member of the Chinese Academy of Sciences in 2023.



### Restorative Medicine

Co-led by Prof. Patrick Yung and Prof. Woody Chan, the Centre for Neuromusculoskeletal Restorative Medicine is one of the research and development centres under the Hong Kong Government's InnoHK initiative. This multidisciplinary, international consortium is dedicated to applying convergent principles and technologies from biomedical science and engineering to restore structure and function of neuromusculoskeletal tissues and organs that have been injured, diseased and degenerated due to ageing or trauma. The centre aims to maintain mobility and enhance the quality of life through innovative biomedical research and development.



### Gut Microbiota

The gut microbiome not only affects our gastrointestinal health but also plays an important role in the functions of our immune system and brain. Prof. Francis Chan and Prof. Siew Chien Ng of the Department of Medicine and Therapeutics have established Asia's first fecal microbiota transplantation programme, which transfers gut microbes from healthy human donors to patients in order to restore gut dysbiosis. Their groundbreaking discoveries include a symbiotic formula that boosts immunity against COVID-19 and a stool microbiome precision test for detecting colorectal cancer. They aspire to position Hong Kong as a leading microbiome innovation and technology hub in Asia.

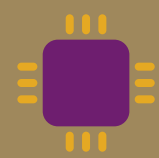


### Novel Therapeutics for Rare Neurodegeneration

Led by Prof. Edwin Chan from the School of Life Sciences, our pioneering research in the development of novel peptidyl and small molecule inhibitors has opened new horizons for curing currently incurable rare neurodegenerative diseases. In collaboration with an international team of scientists, Prof. Chan has unveiled the miRNA dysregulation network in these rare disorders. Furthermore, he has established an intercontinental research collaboration network to promote translational research for other rare neuronal diseases, including amyotrophic lateral sclerosis/frontotemporal dementia, myotonic dystrophy, and spinocerebellar ataxias. Additionally, he is developing innovative therapeutic approaches for Huntington's disease. His team has developed the AI-assisted RareCure Drug Discovery Platform to facilitate novel peptidyl drug development against toxic RNA targets. In 2024, Prof. Chan's start-up company was selected to receive support from Hong Kong Science Park's incubator programme, accelerating its drug development efforts.







## Information and Automation Technology

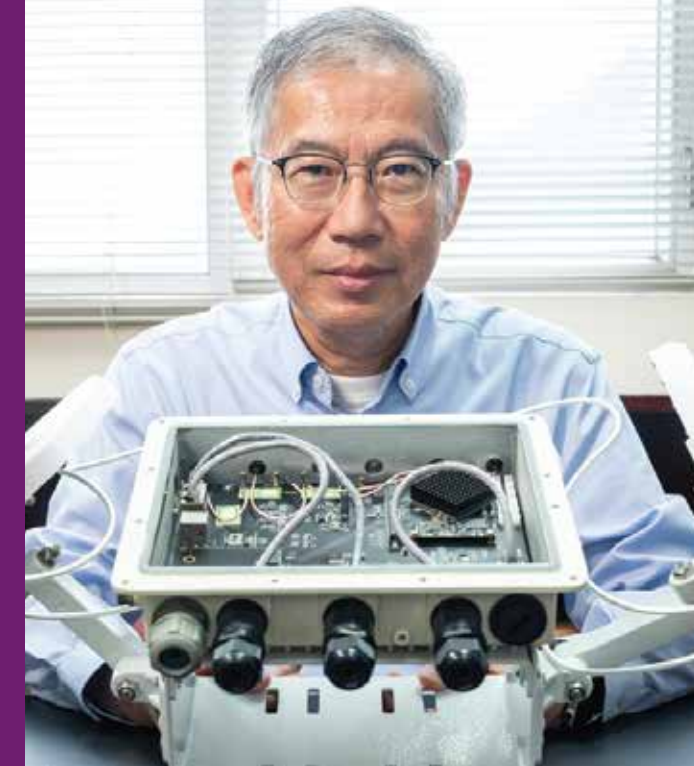
Information pervades all aspects of human life. CUHK is a leading institution in Asia for machine learning and AI research. It boasts expertise in a wide range of fields, including data networks, information coding, network security, big data analytics, robotics, financial technologies, optimisation, renewable energy, optical communications, computer-aided design automation, and biomedical imaging.

### Related Research Centres

Chow Yuk Ho Technology Centre for Innovative Medicine
CUHK Interdisciplinary Artificial Intelligence Research Institute
CUHK T Stone Robotics Institute
Hong Kong Institute of Quantum Information Science and Technology
Institute of Network Coding
Institute of Optical Science and Technology
Stanley Ho Big Data Decision Analytics Research Centre

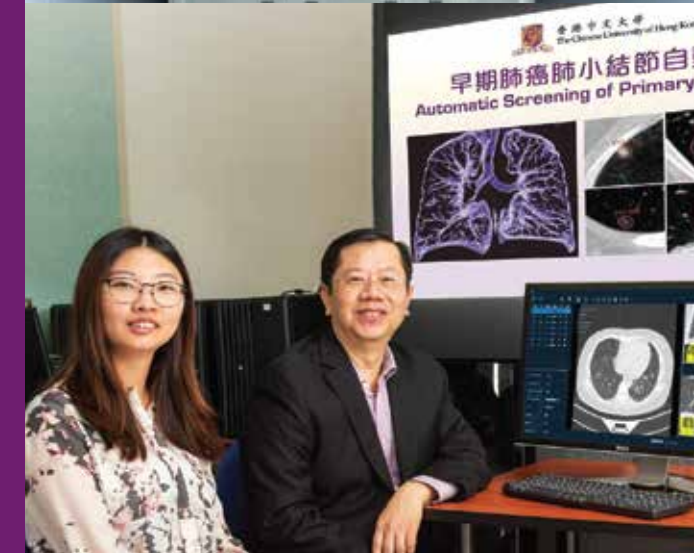
## Network Coding

A forerunner in telecommunications, the Institute of Network Coding, headed by Prof. Raymond Yeung, has achieved significant breakthroughs in information science, leading to network communications that are more efficient, reliable, and secure. This revolutionary research on network coding has a far-reaching impact not only on wireless communications but also in the aerospace industry. The technology has resulted in patents from multiple countries, and the research team is now focusing on its future applications in AI data centre networking, satellite communications, the Internet of Things, wireless sensor and mesh networks, and smart lampposts.



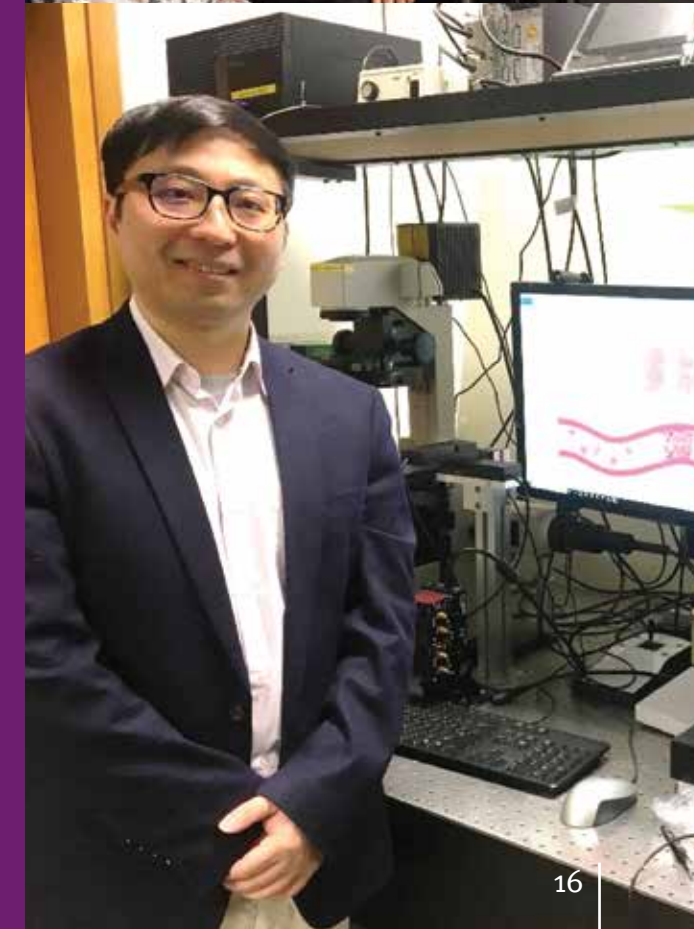
## AI-assisted Cancer Diagnosis

At the forefront of international medical technology, Prof. Pheng-Ann Heng and Prof. Qi Dou of the Department of Computer Science and Engineering have developed an innovative AI system that utilises automated medical image processing technology through deep learning to provide efficient diagnosis using CT scans and histopathological images. The system has been validated on two of Hong Kong's most prevalent cancers—lung cancer and breast cancer—demonstrating high accuracies. With enhanced efficiency in clinical diagnosis, the cutting-edge technology is expected to be widely adopted by the medical sector in the near future.

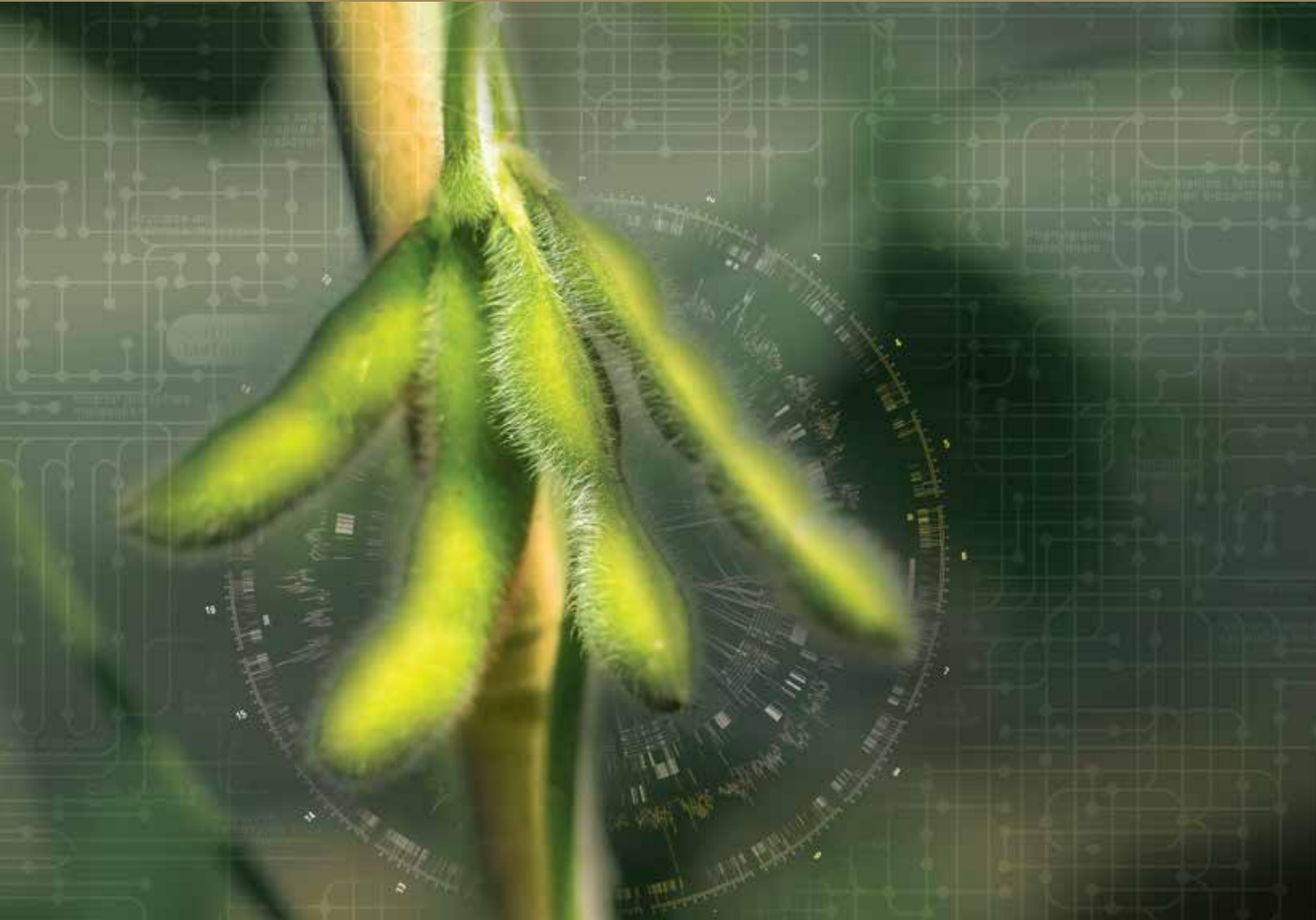


## Medical Robotics

Prof. Li Zhang from the Department of Mechanical and Automation Engineering has created an innovative robot designed for minimally invasive surgery and beyond. This slimy, hydrogel-based soft robot is distinguished by its exceptional deformation capability and adaptability for robotic manipulation, paving the way for new biomedical applications within the human digestive system. Additionally, his team has developed an AI-assisted navigation system that enables millions of nanorobots to function like a swarm of bees, autonomously adjusting their movements and distribution in response to environmental changes. The system is poised for therapeutic applications, allowing nanorobots to carry out crucial tasks such as drug delivery within the human body, eliminating the need for surgeons to undergo specialised training.







## Sustainable and Climate-Smart Agriculture

Promoting sustainable agriculture is vital to achieving zero hunger, eliminating poverty and addressing climate change. Led by Prof. Hon-Ming Lam, Director of the State Key Laboratory of Agrobiotechnology (CUHK), the team is committed to developing innovative technologies to tackle the environmental challenges facing agriculture, ultimately striving for sustainable farming and global food security.

Utilising genomic techniques, Prof. Lam identified the major salt tolerance gene in soybeans and collaborated with breeders in China to produce five new stress-tolerant soybean varieties. These advancements aim to increase food supply, reclaim semi-arid soils, and reduce carbon emissions sustainably. This initiative has also expanded to Pakistan and South Africa, revolutionising local agriculture and fostering international collaborations.

Recently, Prof. Lam launched Hong Kong's first aerospace agricultural project, marking a significant milestone in the region's agricultural development. This ambitious experiment seeks to explore how soybean seeds and nitrogen-fixing bacteria mutate under space conditions, paving the way for new advancements in agricultural technology that could enhance the resilience of soybean farming in the face of climate change.



## Environment and Sustainability

As the world is facing a climate emergency and the complex challenges of rapid urbanisation,

CUHK aims to position itself as a global thought leader in sustainable development research for densely populated and highly mobile cities. Additionally, it aspires to become a global hub for computational approaches to environmental and sustainability research. The University's sustainability research is firmly rooted in a commitment to advancing the United Nations' Sustainable Development Goals.

### Related Research Centres

Centre for Genomic Studies on Plant-Environment Interaction for Sustainable Agriculture and Food Security

CUHK Jockey Club Institute of Ageing

CUHK Institute of Health Equity

CUHK-University of Exeter Joint Centre for Environmental Sustainability and Resilience (ENSURE)

Great Bay University-CUHK Joint Institute of Advanced Materials and Green Energy Research

Institute of Environment, Energy and Sustainability

Institute of Plant Molecular Biology and Agricultural Biotechnology

Simon F.S. Li Marine Science Laboratory

## Clean Energy Storage

With the threat of climate change intensifying, countries worldwide are striving to achieve zero emissions by mid-century. One promising approach involves renewable energy and off-grid applications. A research team led by Prof. Yi-Chun Lu from the Department of Mechanical and Automation Engineering has developed innovative materials that facilitate safe, low-cost, and long-lasting flow battery applications. This technology is particularly suited for regions with cold climates or significant weather fluctuations, as well as for renewable energy projects and electric vehicle solar charging stations, ensuring a reliable power supply. Prof. Lu's ground-breaking work has garnered recognition from numerous prestigious organisations, including the New Cornerstone Science Foundation, the National Natural Science Foundation of China, the International Society of Electrochemistry, and the Falling Walls Foundation.





# INNOVATION AND IMPACT

As a leading research university, CUHK is dedicated to integrating research, innovation and enterprise as a productive continuum to translate knowledge into tangible benefits, generating impact for the world. Widely recognised as one of the most innovative universities locally and regionally, we have more than 2,000 granted patents in a wide range of fields worldwide, covering medical technology, biotechnology, information technology, telecommunications, and materials science, among others. Some of the patents have been licensed to relevant industries to bring innovations to the market to benefit society. Apart from technological innovations, we are committed to advancing social good by, for example, utilising our world-class expertise in computer science and our proven teaching experience to develop a new AI module for all public secondary schools in Hong Kong.

In 2023-24, seven CUHK projects received funding from Hong Kong Government's inaugural Research, Academic and Industry Sectors One-plus Scheme, marking the highest number among all local universities. This achievement showcases our global leadership in medicine, computer science and engineering and our commitment to nurturing industry collaborations. With strong translational research capabilities, the University is poised to support Hong Kong's status as an international innovation and technology hub in alignment with the national plan.

CUHK is devoted to fostering a vibrant ecosystem that nurtures innovation and entrepreneurship on our campus. This dedication has resulted in the launch of 85 start-ups. The pioneering Minor Programme in Entrepreneurship and Innovation offers undergraduate students with a focus on ideation, realisation and commercialisation. In addition to the CUHK Pre-Incubation Centre on our Hong Kong campus, we also established an Entrepreneurship and Innovation Hub in Shenzhen that provides affordable space, mentorship and industry access for CUHK-enabled start-ups to expand in China.



## Sign Bilingualism for an Inclusive Society

Research conducted by Prof. Gladys Tang, an expert in sign linguistics and language acquisition, has shown that deaf and hard-of-hearing (DHH) children achieve optimal learning by simultaneously acquiring both sign language and spoken language. This finding dispels the misconception that learning sign language hinders the development of spoken language in DHH children. In 2016, she set up SLCO Community Resources to promote sign bilingualism for an inclusive society to the wider public. This initiative is notable for being the first Hong Kong-based social enterprise recognised by Social Venture Challenge Asia, one of the region's most prestigious competitions for social enterprises.



## Robot-based Education for Autistic Children

Autistic children often develop social communication skills later than their peers, which can lead to challenges in societal inclusion. Research shows that autistic individuals tend to respond more readily to objects than to human interaction as compared to objects. Pioneering the integration of technology into special needs education, Prof. Catherine So from the Department of Educational Psychology has designed and implemented an innovative robot-based programme for children with autism aged 3 to 18. In collaboration with NEC Hong Kong, the programme has been delivered in mainstream schools, special schools, and non-profit organisations.

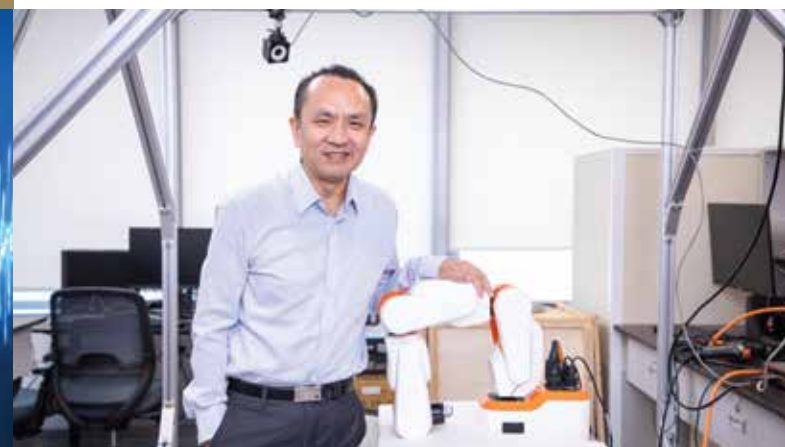


## Precision Surgical Innovation

Translating medical and engineering knowledge into healthcare technologies that directly benefit patients is a key pursuit and core strength of CUHK. The Multi-Scale Medical Robotics Centre, co-directed by Prof. Philip Chiu, Dean of Medicine and Prof. Samuel Au of the Department of Mechanical and Automation Engineering, is a trailblazer in bringing the worlds of medicine and engineering together. Established under the InnoHK initiative in collaboration with ETH Zurich, Imperial College London, Johns Hopkins University, and Technical University of Munich, the centre is advancing minimally invasive, high-precision surgical robotic technologies. It is also incubating affordable medical robots as pressure mounts for better patient care in hospitals in Hong Kong, mainland China and around the world.

## AI for Speech Processing

The onset of neurological diseases can make communication difficult. Although research on solving these problems is ongoing, this is stymied by the lack of a relevant, sizeable spoken language dataset to help researchers unlock what those affected are trying to say. Prof. Helen Meng, a specialist in AI and deep learning, and Prof. Patrick Wong, an expert in neuroscience and linguistics, are collaborating on technology solutions for Cantonese speakers in Hong Kong who suffer from dysarthria, which affects the articulation of sounds and words, and have since expanded their research to neurological diseases such as dementia or neurocognitive disorder. Their cross-disciplinary research combines multilingual speech processing, AI, neuroscience, and language learning.



## Robots for the Workplace

The Hong Kong Centre for Logistics Robotics, led by Prof. Yunhui Liu, was established with research contributions from the University of California, Berkeley. Founded under the InnoHK initiative, it focuses on the research and development of robotics and AI technologies for future workplaces as well as innovative solutions to pressing challenges in the logistics industry. In particular, it aims to advance robot intelligence in key areas, including smart perception, smart interactions, smart manipulation, and smart mobility.



## Innovation in Rural Architecture

Prof. Peter Ferretto of the School of Architecture and his team at Condition\_Lab have designed and built an extraordinary new children's library, The Pingtan Book House, in Hunan, China. The building seamlessly integrates play and reading within a traditional timber structure, fostering a love of both books and Dong culture in local youths. This project has received the prestigious World Interior of the Year Award and the Best Use of Natural Light Prize at the World Architecture Festival 2022, often dubbed the 'Oscars of Architecture'.



# GLOBAL ENGAGEMENT



## Our Global Footprint

CUHK is a comprehensive research university with a global vision and a mission to combine tradition with modernity, and to bring together China and the West. Internationalisation is integral in our education and research, with a view to strengthening our research capacity, education for students, and impact around the world.

International academic exchange has been at the core of CUHK since our founding. Several overseas ties were in place with our constituent colleges prior to the University's establishment. Our first student exchange programme was established with the University of California system in 1965. Today, CUHK has formal partnerships with 500 universities and institutions around the world, ranging from teaching and research collaborations to faculty and student exchanges, among many other engagements.

We are an active member of national, regional and international networks of higher education, research and engagement. Through the alliances formed with centres of excellence worldwide, we advance knowledge, develop innovative academic programmes that enrich students' learning experiences, and break new ground in research. We create impacts across a wide range of disciplines that address the many global challenges of today.

CUHK's focus on internationalisation is further reflected in our commitment to building a multicultural environment on campus. Students and teachers hail from countries all around the world, with 33% of our students and 56% of our teachers originating outside Hong Kong.

## Global Partnership

### Stanford University, USA

CUHK is host to Stanford's Bing Overseas Studies Programme (BOSP) in Hong Kong. It is the only BOSP programme in Greater China. Students enrol in a tailor-made programme jointly developed by Stanford and CUHK to gain exposure to courses within the social sciences and China studies, enrich their understanding of Chinese culture and immerse them into the local community.

### Student Exchange

Student exchange has been at the heart of CUHK since its founding. The University offers a wealth of exchange opportunities to broaden the learning experience of its students. It has established partnerships for student exchange and other international education programmes with over 300 distinguished institutions in more than 35 countries and regions through which our students expand their horizons.

### University of Exeter, UK

The CUHK-University of Exeter Joint Centre for Environmental Sustainability and Resilience (ENSURE) embarks on large, impactful interdisciplinary collaborations to tackle emerging issues related to a changing environment and human health and well-being.



### The University of Manchester, UK

CUHK and Manchester have strong partnership in research and education, particularly in biomedical sciences and cultural management. The two universities offer a joint fund to support research collaboration. Manchester is also engaged in CUHK's Centre for Perceptual and Interactive Intelligence under the InnoHK initiative.

### The University of Sydney, Australia

CUHK collaborates closely with USYD on various fronts including bioengineering, diabetes and sustainable agriculture with the support of a joint fund. The two universities co-lead the Association of Pacific Rim Universities Pacific Rim Biodiversity and Sustainability Programme.

### Ludwig-Maximilian University of Munich, Germany

CUHK is a member of the LMU-China Academic Network which aims to strengthen scientific collaborations with leading Chinese universities. LMU Munich is also a member of the Global Alliance of Medical Excellence inaugurated by CUHK Medicine to promote innovative medical education and research.

## National, Regional and International Memberships

The following are among the many national, regional and international affiliations we have established across the globe:

- Asia-Pacific Association for International Education
- Association of Commonwealth Universities
- Association of Pacific Rim Universities
- China-UK Humanities Alliance for Higher Education
- Guangdong-Hong Kong-Macao University Alliance
- Innovation and Entrepreneurship Education Alliance of China
- International Universities Climate Alliance
- Mainland-Hong Kong-Macao Legal Education Alliance
- University Alliance of the Silk Road
- Worldwide Universities Network



# NATIONAL ENGAGEMENT

## Comprehensive Presence

CUHK is the first local university to establish a comprehensive presence in mainland China. Beginning with the connections formed by our constituent colleges prior to the establishment of the University, we have had long and deep academic ties with leading universities and research organisations in mainland China, many in key national priority areas. We are equally committed to developing teaching and learning programmes that benefit CUHK students as well as our mainland partners. This includes dual degree programmes with some of the most prestigious universities to take advantage of the distinct curricula and expertise of two disciplines in two institutions.

We have a strong foothold in the Guangdong-Hong Kong-Macao Greater Bay Area (GBA). Since 2006, CUHK has established a range of education and research platforms in GBA, including CUHK-Shenzhen, CUHK Shenzhen Research

Institute, Shenzhen Institute of Advanced Technology, and CUHK Hong Kong-Shenzhen Innovation and Technology Research Institute (Futian). Major new initiatives and collaborations are underway to achieve substantial outcomes in basic research, talent cultivation, as well as innovation and entrepreneurship in the region.

CUHK is more focused than ever on identifying opportunities to integrate with the nation's development. The University has opened the CUHK Shanghai Centre and the CUHK Beijing Centre, which serve as important platforms for academic, alumni and entrepreneurial collaborations.

## The Chinese University of Hong Kong, Shenzhen

The Chinese University of Hong Kong, Shenzhen (CUHK-Shenzhen) extends the core educational philosophy and values of the University beyond Hong Kong. It offers bachelor's, master's and PhD degrees through the School of Management and Economics, School of Science and Engineering, School of Humanities and Social Science, School of Data Science, School of Music, School of Medicine, and School of Public Policy. Currently, more than 10,000 students are studying at CUHK-Shenzhen.



## CUHK Shenzhen Research Institute

CUHK's wholly-owned Shenzhen Research Institute serves as a pivotal base for conducting research, training, and technology transfer on the mainland, particularly in the Greater Bay Area. The Institute's major research areas include biomedicine, information technology, and sustainable development. It set up the Innovation Hub in 2018 for cultivation and incubation of start-ups, with the aim of creating an entrepreneurial ecosystem between Shenzhen and Hong Kong.

## Shenzhen Institute of Advanced Technology

CUHK partnered with the Chinese Academy of Sciences and Shenzhen Municipal Government to establish the Shenzhen Institute of Advanced Technology (SIAT) which plays a significant role in technology innovation, industry collaboration, and economic development in the region, focusing on multidisciplinary integration development of information technology and biotechnology. It includes nine affiliated institutes (with 60 research centres) and is home to nine national innovation labs, 34 key labs and platforms at the provincial level. It has incubated over 1,850 companies in emerging industries such as low-cost healthcare, service robots, electric vehicles, cloud computing, digital cities, nanomedicine, new energy and new materials.



## CUHK Hong Kong-Shenzhen Innovation and Technology Research Institute (Futian)

The Hong Kong-Shenzhen Innovation and Technology Research Institute (Futian) was established to enhance the linkage and elevate CUHK's presence of research excellence in the Lok Ma Chau Loop Area. Riding on the opportunity brought by the regional development, the Institute aims to advance research collaboration in robotics, AI and medicine to serve the needs of the Greater Bay Area.





# FACTS AND FIGURES



Year founded:  
1963



160+ undergraduate  
majors and minors



220+ postgraduate  
programmes



18,000 undergraduates  
16,200 postgraduates



280,000  
alumni



1,700+  
teaching staff



1,800  
research staff



300 research  
institutes  
and centres



11,500 non-local  
students from  
80+ countries/regions



500  
partners  
worldwide



Top 10  
Times Higher Education  
Asia University Rankings



36th in QS World  
University Rankings

## Colleges

Chung Chi College	New Asia College	United College
Shaw College	Morningside College	S.H. Ho College
C.W. Chu College	Wu Yee Sun College	Lee Woo Sing College

## Faculties



Arts



Business  
Administration



Education



Engineering



Law



Medicine



Science



Social  
Science

## World-class Scholars

The University boasts a galaxy of distinguished scholars and researchers who are highly regarded authorities in various specialties. They include:

2

Nobel Laureates

1

Fields Medalist

Turing Award Winner

1

Fellow of the Royal Society

Fellow of the US National  
Academy of Inventors

1

Future Science Prize

Lasker Award Winner

4

RGC Research Fellows  
2024-25

32

International Exhibition  
Inventions Geneva Winners  
2024

404

Scholars Listed in World's  
Top 2% Scientists 2024 by  
Stanford University

7

China's Excellent Young  
Scientist Fund Winners 2024

## Highly Cited Researchers

Numerous scholars have been named the Highly Cited Researchers 2024 by Clarivate Analytics, which recognises researchers who have demonstrated significant and broad influence in their fields of research.



Prof. Francis Chan  
Gut microbiology



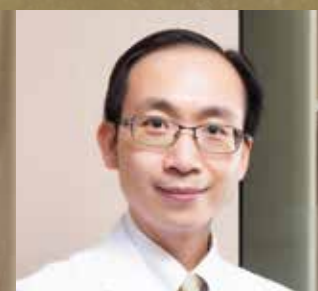
Prof. Henry Chan  
Liver cancer



Prof. Tony Mok  
Lung cancer



Prof. Siew Ng  
Gut microbiology



Prof. Vincent Wong  
Fatty liver



Prof. Jun Yu  
Gastrointestinal diseases



Prof. Joseph Sung  
Gastrointestinal diseases



Prof. David Hui  
Respiratory diseases



Prof. Grace Wong  
Liver diseases



Prof. Martin Wong  
Chronic diseases



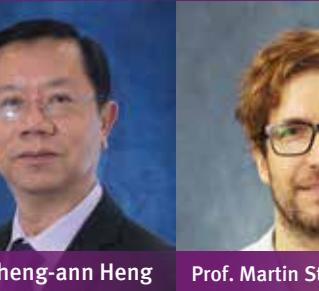
Prof. Samuel Wong  
Primary care



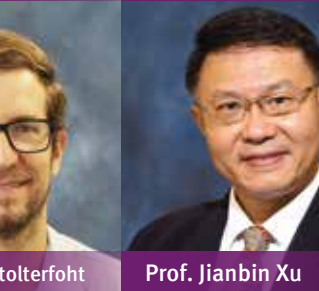
Prof. William Wu  
Cancer biology



Dr. Sunny Wong  
Microbiology



Prof. Pheng-ann Heng  
Medical AI



Prof. Martin Stollerfoht  
Solar cells



Prof. Jianbin Xu  
Nanoelectronics



Prof. Ching-ping Wong  
Electronic materials





## Office of Academic Links

The Office of Academic Links serves as the international relations and global education arm for CUHK. It is dedicated to advancing the University's internationalisation strategy in research and education, enhancing its impact and visibility on the global stage, and enriching the global exposure and learning experience of students. Connect with us to explore how we can collaborate to create impactful and meaningful partnerships.





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