

香港中文大學醫學院  
**Faculty of Medicine**  
The Chinese University of Hong Kong

Bachelor of Medicine and Bachelor of Surgery (MBChB)  
&  
Global Physician-Leadership Stream (GPS)



*Transforming our Passion into Perfection*



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# Dean's Message

## Learning the Art of Healing

The Faculty of Medicine at CUHK is dedicated to nurturing our students in the Medicine, Chinese Medicine, Nursing, Pharmacy and Public Health programmes to learn not only knowledge and skills to deliver quality healthcare services, but also more importantly, the art of healing.

Just having a vision for delivering excellent healthcare services, without a strong passion, is like a painting without possibilities and imaginations. Our motto "Transforming our Passion into Perfection" is powering our staff and our graduates to make a difference to the world.

Besides helping students to grow intellectually, psychologically and socially, we place heavy emphasis on developing the hearts and souls of our students so that they become compassionate and resilient practitioners whom a patient respects and trusts. Amongst the many skills that our students are to master, listening skill is one that is crucial to performing the art of healing. The Chinese word "聽" encapsulates the characteristics that a good listener possesses – ears to hear, eyes to see and a heart to feel. "Listen to your patient, he is telling you the diagnosis," said Dr William Osler, Father of modern medicine.

The remarkable achievements of the Faculty over the past 33 years are testimony to the right direction that we have been following in healthcare education. The influences of our graduates in their respective fields of expertise will continue to resonate locally, nationally and internationally. There is a saying that the youth is wasted on the young. I am saying that the youth is flourished on the young. If you have a passion and a drive to make positive changes in the world regardless of which roles you choose to play in the healthcare field, I invite you to read this brochure carefully.

If you have any question on any of our programmes, you are most welcome to contact us.

I look forward to seeing you in the campus of The Chinese University of Hong Kong in September 2015.



Professor Francis K.L. Chan  
*Dean of Faculty of Medicine,  
The Chinese University of Hong Kong*

# Faculty of Medicine The Chinese University of Hong Kong

## Departments and Schools

As one of the top 50 medical schools in the world (QS World Ranking 2014), the history of the Faculty of Medicine can be traced back to the government and Legislative Council's approval in 1974 for the establishment of a new medical school at The Chinese University of Hong Kong. The faculty was set up to cope with the needs of society for graduates with solid and professional training in medical knowledge and competency.



The faculty believes that medicine is best studied through an approach that integrates knowledge, attitude and skills. In 1981, the medical curriculum was designed in accordance with international standards and geared toward local conditions. In the same year, the Choh-Ming Li Basic Medical Sciences Building was completed and the first batch of students embarked on their study of medicine. About a decade later, undergraduate programmes in nursing and pharmacy and many other postgraduate programmes were introduced.

To date, there are 5 schools and 14 departments with 450 regular teaching staff and 3,600 adjunct/honorary teaching staff in the faculty offering teaching for the 8 undergraduate programmes and a number of postgraduate programmes. We also provide continuing and professional training to public and healthcare professionals. So far, more than 15,200 graduates and undergraduate students have passed through the faculty.

### 5 Schools

School of Biomedical Sciences



School of Chinese Medicine



School of Pharmacy



The Jockey Club School of Public Health and Primary Care



The Nethersole School of Nursing



### 14 Teaching Departments

- ◆ Department of Anaesthesia and Intensive Care
- ◆ Department of Anatomical and Cellular Pathology
- ◆ Department of Chemical Pathology
- ◆ Department of Clinical Oncology
- ◆ Department of Imaging and Interventional Radiology
- ◆ Department of Medicine and Therapeutics
- ◆ Department of Microbiology
- ◆ Department of Obstetrics and Gynaecology
- ◆ Department of Ophthalmology and Visual Sciences
- ◆ Department of Orthopaedics and Traumatology
- ◆ Department of Otorhinolaryngology, Head and Neck Surgery
- ◆ Department of Paediatrics
- ◆ Department of Psychiatry
- ◆ Department of Surgery



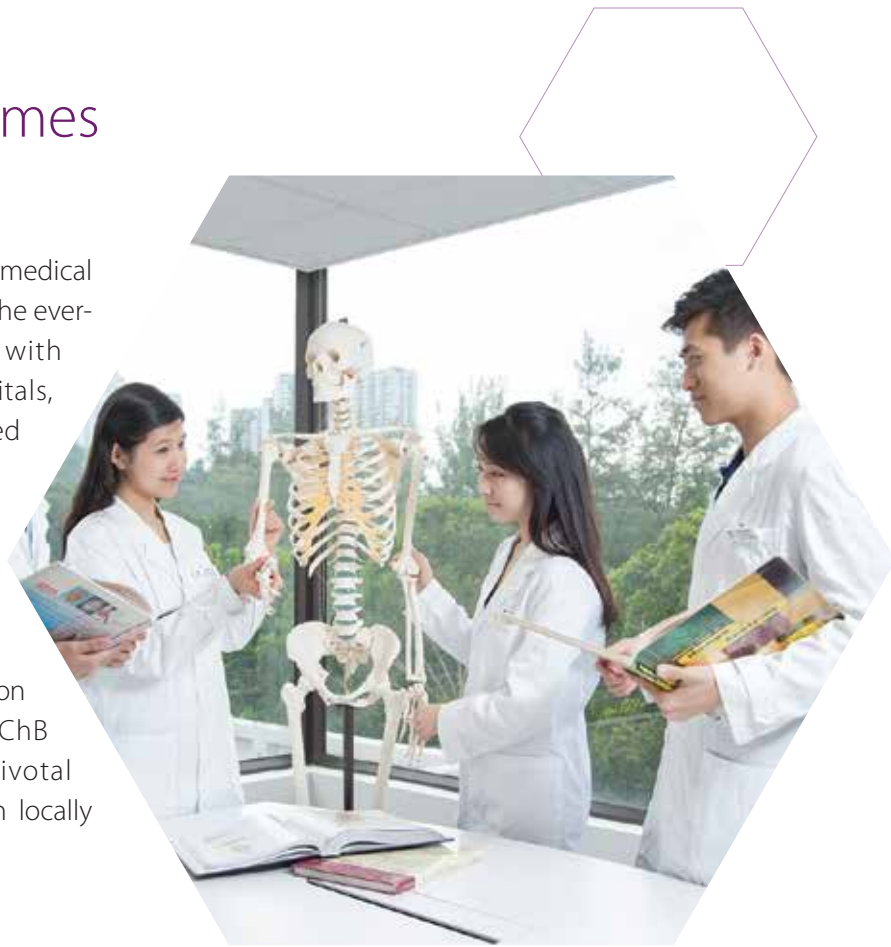
# Undergraduate Programmes

## **Bachelor of Medicine and Bachelor of Surgery (MBChB)**

The 6-year full-time programme adopts a unique medical curriculum to train doctors to meet challenges in the ever-changing healthcare service sector. Together with a year of clinical internship in recognised hospitals, this programme qualifies its graduates as registered doctors in Hong Kong. The university's teaching hospital is the Prince of Wales Hospital.

## **Global Physician-Leadership Stream (GPS)**

As an elite programme, this programme provides the most capable students with training in global perspectives and leadership competencies, in addition to the professional medical training of the MBChB curriculum. Graduates are expected to play pivotal leadership roles in the medical community both locally and internationally.



## **Bachelor of Nursing (BNurs)**

The 5-year full-time programme prepares students for registration as general registered nurses with the Nursing Council of Hong Kong. Besides core subjects, students can also gain experience in the care of patients in both community and hospital settings.

## **Bachelor of Science in Gerontology (BScG)**

The 2-year full-time articulation programme provides students who possess an Associate Degree or a Higher Diploma with a full range of knowledge and skills in the planning, delivery and coordination of elderly care services in a wide variety of elderly health and social care settings.

## **Bachelor of Pharmacy (BPharm)**

The 4-year full-time programme provides students with the core knowledge, skills and attitude to flourish in pharmacy practice. Students must complete one additional year of internship after graduation to be qualified as registered pharmacists.





*“In addition to eight undergraduate programmes, the faculty also offers more than 70 postgraduate study programmes.”*

**Bachelor of Science in Community Health Practice (BSc in Community Health Practice)**

The 2-year full-time articulation programme has been designed in response to the increase in non-communicable diseases, emerging and re-emerging infectious diseases and increased societal recognition of the importance of community-based care.

**Bachelor of Science in Public Health (BSc in Public Health)**

The 4-year full-time programme is the first and only undergraduate programme of its kind in Hong Kong. It provides students with an interest in public health with valuable insights into the health issues of concern to the population.

**Bachelor of Chinese Medicine (BCM)**

The 6-year full-time programme consists of pre-clinical study and clinical training, in which students will learn about the basic elements of Chinese medicine through professional training. Graduates from the programme will have a solid biomedical background and are encouraged to move towards a creative interaction between the Chinese and orthodox medical systems.



*\* Programme details and admission information are available at [www.med.cuhk.edu.hk](http://www.med.cuhk.edu.hk).*



# Bachelor of Medicine, Bachelor of Surgery (MBCChB)

## The SMART Curriculum

As one of the youngest institutions to be ranked among the world's top medical schools, CU Medicine prides itself on being innovative and forward-thinking. We excel not only in our research accomplishments but also in our proven ability to nurture competent and compassionate medical graduates who go on to become outstanding doctors.

As the traditional system-based and problem-based learning models can no longer meet the expectations of tomorrow's doctors, CU Medicine is pleased to launch a unique 6-year MBCChB programme – the **SMART** curriculum – to nurture competent and compassionate doctors who will make a difference to the world.

### Student-centred

We see things through the eyes of our students, understanding their needs and walking them through their difficulties. Our students are inspired to learn and are motivated to make the most of their potential.



### Mentorship-based

Our teachers do much more than simply transfer knowledge. They have the interests of their students at heart, see the potential in each student and have the passion and ability to bring out the best in them.

### Assured knowledge acquisition

We ensure our students acquire knowledge and skills through a variety of platforms.

### Robust clinical teaching

Our clinical training begins in the early years. Students acquire clinical competence through a well-designed programme consisting of simulation training, bedside teaching, clinical attachment in centres of excellence, and an advanced pre-internship course.

### Teach ethics and professionalism

We strongly believe that good doctors are defined not by how much they know about the disease but by how well they treat patients suffering from the disease. We teach important bioethical values and principles.





# The 6-year (5+1) Curriculum

We offer a 6-year (5+1) medicine programme. Students with an outstanding academic performance are also given the option to enter Year 2 directly. This 5-year (i.e. Year 2 to Year 6) medicine programme is a comprehensive and standalone programme and exemptions from the University Core Requirements and faculty packages are granted to outstanding students.

## Year 1

This year provides the basic knowledge and concepts to be applied in subsequent pre-clinical and clinical studies.

*Life Science*  
*Humanity*

*Communication Skills*  
*Introductory Bioethics*

## Years 2 and 3

These years provide a solid, comprehensive, and continually updated grounding in biomedical sciences.

*Clinical Skills*  
*Biomedical Sciences*  
*Genomic Medicine*

*Bioethics*  
*Introductory Pathology*

## Year 4

Students acquire the skills and knowledge of handling basic clinical problems through attachment to our primary teaching hospital, the Prince of Wales Hospital, and other partner hospitals. Anatomical and cellular pathology, chemical pathology and microbiology are also taught.

*Bioethics*  
*Junior Clerkship in Medicine and Surgery*  
*Clinical Pathology and Laboratory Medicine*

*Research Methodology*

## Year 5

Students rotate between four different disciplines: Community and Family Medicine, Obstetrics and Gynaecology, Paediatrics, and Psychiatry. At the end of Year 5, students broaden their learning, research, and clinical management horizons through attachments with other hospitals.

*Applied Bioethics*  
*Clinical Electives*  
*Clinical Rotations*

*Professionalism*  
*Advanced Research Methodology*

♥ *Community and Family Medicine*    ♥ *Paediatrics*  
♥ *Obstetrics and Gynaecology*        ♥ *Psychiatry*

## Year 6

Students go through deeper rotations for clinical teaching in medicine and surgery and their subspecialties. Students are scheduled to work with interns in their day-to-day clinical duties under the supervision of a more senior physician.

*Senior Clerkship in Medicine and Surgery*  
*Advanced Pre-internship Training*  
*Assistant Internship*



# Admission

We set out to recruit the very best students. We look not only for academic ability, but for students with a keen interest in medical discipline, high ethical standards, good communication skills, leadership potential, the ability to work as part of team, and a strong desire to serve people.

We take in 210 students a year and do not set specific quotes for JUPAS and non-JUPAS places as we prefer to select the students we consider most capable and best suited to become tomorrow's generation of new doctors.

We accept students who rank in the top 1% or higher in the Hong Kong Diploma of Secondary Education (HKDSE) or equivalent standards for other non-JUPAS categories.

The tables below list the minimum requirements of HKDSE in terms of subjects and the grade required for each respective subject to apply to the MBChB programme. Students with an outstanding academic performance are also given the option to enter Year 2 directly. Those students are able to complete the medicine programme in 5 years.

Core Subject(s)	Minimum Level
Chinese Language	3
English Language	4
Liberal Studies	3
Mathematics Compulsory Part	3

Elective Subject(s)	Minimum Level
Biology	3
Any 1 subject (Note 1)	3
OR	
Chemistry	3
Any 1 subject (Note 2)	3

Notes:

(1) Chemistry is preferred.

(2) Biology is preferred.

(3) Taking a third elective and/or Mathematics Extended Part Module 1 or 2 is strongly recommended.

We use the total score of all subjects (4 core + 2 or 3 electives) to rank the students. As a result, students who take 7 subjects (4 core + 3 electives) will have an advantage over students who only take 6 subjects (4 core + 2 electives). The conversion of examination grades to scores works as follows: 5\*\*=7, 5\*=6, 5=5, 4=4, 3=3. The extended mathematics module contributes to the total HKDSE score if the grade in that module is better than the worst of the 3 best electives. Please refer to our faculty website for calculating the total score if extended mathematics module is included.

## Admission Interviews

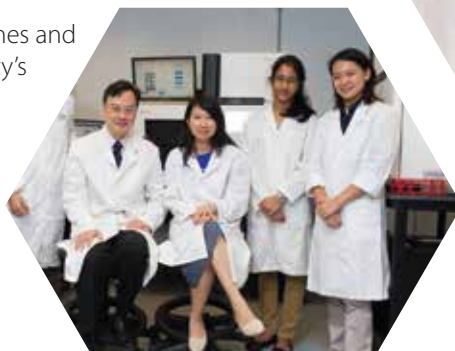
Students will usually only be invited to an admission interview if they achieve the expected minimum examination scores. Interviews last for around 15 minutes and are conducted in English by a panel of two persons who are senior professors, distinguished CU Medicine alumni or authorities in a particular medical field.

## Application

**JUPAS** applicants are made through the JUPAS office and applicants' school.

**Non-JUPAS** applications are made via the Office of Admissions and Financial Aid (OAFI).

The latest information on the programmes and courses offered is available on the faculty's website <http://www.med.cuhk.edu.hk>.



# Our View: Perspectives of Professors and Alumni

## Professor Simon Ng

*Assistant Dean (Learning Experience)  
Faculty of Medicine, CUHK*

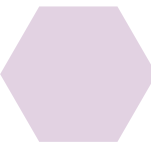
"A positive and inspiring learning experience is essential for students to have their potential fully developed.



CU Medicine is pleased to launch the SMART curriculum in the coming academic year. This unique curriculum is designed using a student-centred and mentorship-based approach, which can help ensure a smooth transition from secondary school to university study for our students.

With early clinical training and various teaching platforms, we believe that our students are able to acquire knowledge and skills in the most effective manner.

Life as a medical student in CU is enriched by the support of very friendly and caring teachers and staff. This supportive learning environment has become a CU Medicine hallmark. Students are truly nurtured here."



## Dr. Jacqueline So

*MBChB Graduate*

"CU Medicine has been an amazing starting point for my life-long journey as a medical professional.



Not only did I receive a first-class education from a renowned faculty, I also became part of an extensive alumni network which has provided me with mentorship and friendship that will last throughout and beyond my career.

Studying with motivated and passionate peers and learning from exceptional leaders in the field has driven me to challenge myself and reach for higher goals. Most importantly, the emphasis placed on providing holistic care to patients through listening to their needs and building mutual trust with them and their families constantly reminds me of the ultimate mission of a doctor: To cure both the health and hearts of patients.

I am proud to be a CU Medicine graduate and I am excited to welcome all of you to our community."



## Enquiries

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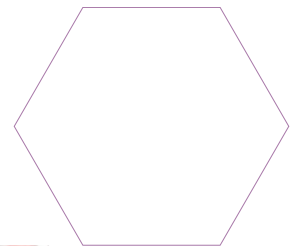
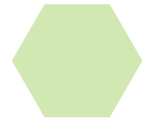
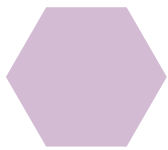
# Global Physician-Leadership Stream (GPS)

## Introduction

Given the changes in the healthcare sector and the challenges ahead, there is a great need to identify and develop a new generation of physician leaders.

The launch of the Global Physician-Leadership Stream (GPS) in 2013 provides the most capable students with training in global perspectives and leadership competencies, in addition to the professional medical training of the MBChB curriculum.

GPS graduates are expected to play pivotal leadership roles in the medical community both locally and internationally, advancing healthcare, and benefiting the community at large.





## Director's Message

"As the first undergraduate medical leadership programme in Asia, GPS goes beyond professional training in medical knowledge, skills and attitudes. It will develop students to become future leaders in the medical and healthcare profession in Hong Kong and in international communities, fulfilling their ambition to pursue a clinical or academic career, or to serve in the public, private or humanitarian sectors.

We seek well-rounded applicants with high scholastic potential and an international perspective who are technically competent, adept at solving problems, and who demonstrate a strong sense of responsibility, ethical behaviour, patience and compassion. Most importantly, they should be committed to preserving the health of the community and possess a passion for lifelong learning and inquiry.

We will look ahead and build on our reputation for innovation, discovery and excellence so we may continue to contribute to the health and well-being of individuals and communities."



**Professor Justin Wu Che-yuen**  
 Director, Global Physician-Leadership Stream  
 Associate Dean (Development)  
 Faculty of Medicine

## Programme Characteristics and Overview

### Early Career Development

GPS students are usually eligible for a large number of course exemptions, enabling them to have the option of direct admission to Year 2 of the MBChB Programme.

Students then have the flexibility to choose their future career path. They can start graduate studies (Master's or PhD degree) in various specialties at CUHK or an overseas institution one year earlier than usual. Students who complete all the normal MBChB and University requirements can even apply to graduate early.



### International Experience

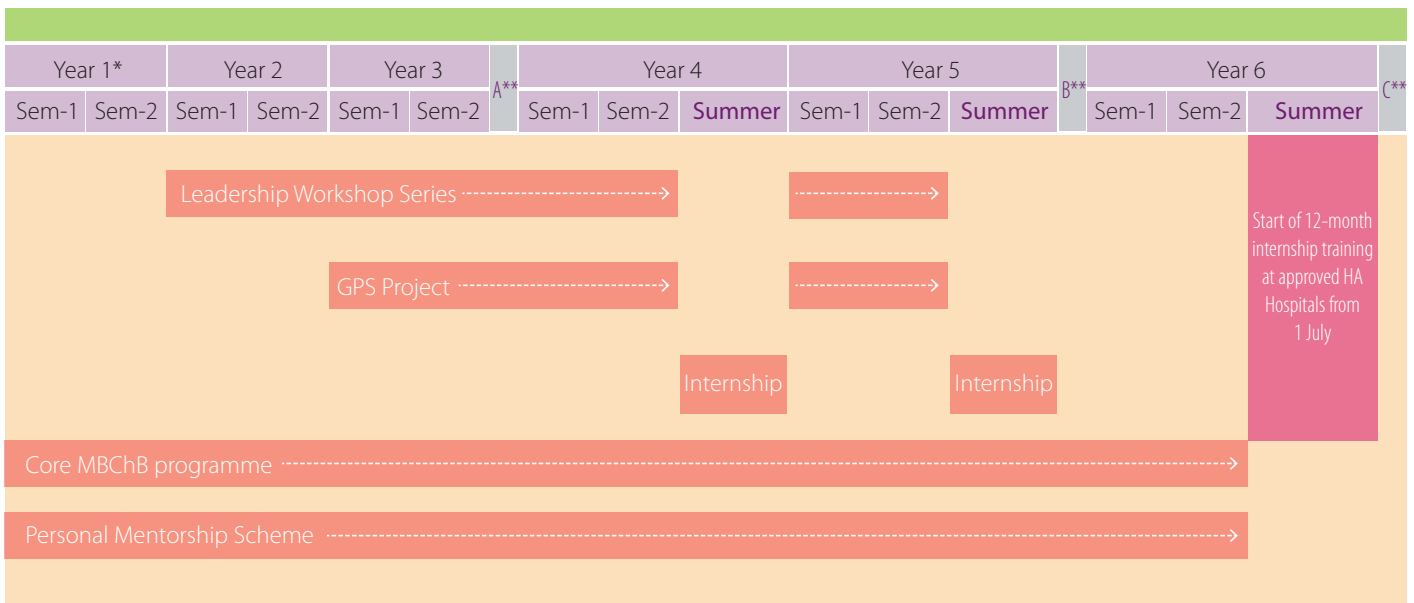
Outstanding GPS students can gain international exposure through funded overseas exchange, internship and graduate studies in top overseas institutions including the University of Oxford and the University of Cambridge.

### Personal Mentorship Scheme

We have a large pool of leaders and researchers to educate and nurture our GPS students. Under the Personal Mentorship Scheme, each student will be assigned a dedicated academic advisor to assist them throughout their study period. We cherish this strong teacher-student bond which can last for decades.



# Structured 6-year Course



\* Option of direct admission to Year 2 if extended criteria are fulfilled

\*\* Option of the following graduate studies

A = 1 year of Master of Research Medicine at CUHK

B = 1 year of Master of Public Health at CUHK or overseas institutions

C = Within 2 years of conferment of MBChB, pursue Master's or PhD degree at CUHK part-time or full-time at an overseas institution



# Requirements for Application

Students are generally required to achieve the top 0.25% in their respective university entry examinations in order to be eligible for the Global Physician-Leadership Stream (GPS).

JUPAS	HKDSE <sup>(1) (2) (3)</sup>	Total score ≥ 46 AND Any 5** in 4 subjects and with good interview performance and past record of achievements
Non-JUPAS	International Baccalaureate	44/45 or above with good interview performance and past record of achievements
	GCE A-Level	A* in all subjects with an average marks of 97% or above with good interview performance and past record of achievements
	Others	Selection will be based on academic merits, interview performance and past record of achievements

Notes:

- The HKDSE score is calculated on the 4 core subjects and 3 best elective subjects (where level 5\*\* = 7 points, 5\* = 6 points, 5 = 5 points etc.). The attained level of Mathematics (extended part) will contribute to the score if its level is higher than the lowest level of an elective subject (please refer to the faculty's webpage on admissions for further details).  
For the number of subjects with 5\*\*, Mathematics the compulsory part and the optional extended part are treated as one subject. Hence, 5\*\* in both compulsory and extended Mathematics do NOT count as two subjects with 5\*\*.
- In addition, HKDSE students who meet the following extended criterion will be offered the option of direct admission to Year 2 after they are admitted to the GPS.  
- At least 5\* in Biology AND Chemistry AND English
- The above admission requirements will be subject to change without prior notice. For latest information please refer to faculty's website [www.med.cuhk.edu.hk](http://www.med.cuhk.edu.hk)

## Our Students

### Loong Chi Wang Thomson

"What I like most about the GPS programme is the multitude of opportunities available. With these opportunities, I can truly pursue my research interests even at an early stage, which makes my medical education much more worthwhile.



I also enjoy the variety of presentations given by outstanding medical leaders. They provide a global perspective of the medical profession, reminding us that doctors have a responsibility to benefit not only individual patients, but also society as a whole."

### Chan Sze Ying Coco

"I have enjoyed a meaningful and fruitful first year full of good memories.

The GPS provided me with the opportunity to make new friends, not only from CU Medicine but also from Oxford, and to share my experiences with high school students and professors.



One of the highlights of my year was the Stand TALL project when we visited Sichuan to follow up on the progress of the rehabilitation of earthquake victims. We not only met patients and learnt about rehabilitation, but we also learned from the professors how to run an NGO, how to hold an event, and how to plan our future career path. These were invaluable experiences which I treasure very much."







# Research: Unlocking the Secrets

The Faculty of Medicine is involved in a wide range of medical research and advanced clinical technology development.

It has achieved regional and world firsts in many areas of clinical research and procedures and has helped Hong Kong gain a reputation as a pioneer in Asia in some of the world's most advanced surgical technology and techniques.

To fulfil its research mission, the faculty has developed numerous state-of-the-art research facilities including The Li Ka Shing Institute of Health Sciences, the Lo Kwee-Seong Integrated Biomedical Sciences Building, the Lee Hysan Clinical Research Laboratories and two State Key Laboratories of Oncology and Digestive Diseases.

## Diabetes and Personalised Medicine

Diabetes has become a major global public health problem and is associated with the development of different complications that can result in blindness, kidney failure and heart problems. These diabetes-related complications lead to poor health and account for a large proportion of the healthcare burden in most countries. Diabetes and diabetic complications can be prevented by addressing the risk factors at the early stages.

The research of our group focuses on using the latest genomic technologies to discover novel genetic and other molecular markers associated with diabetes and diabetic complications, in order to identify at-risk individuals for early intervention to reduce their risk, as well as provide new biological targets for drug development. We are also developing biomarkers linked to treatment response in order to provide better, more tailored treatment for patients.

Recent achievements include identification and development of a panel of genetic markers that predict the development of kidney complications in diabetes, and the identification of a genetic variant near the PAX4 gene as a novel genetic marker for type 2 diabetes in the Chinese and Asian population.





# Global Impact

We developed a robust non-invasive prenatal test for Down syndrome that is now used in over 50 countries around the world.

## Genomics

The faculty is at the forefront of the clinical application of genomics. In particular, researchers within the faculty have pioneered the field of non-invasive prenatal diagnosis following our discovery of fetal DNA in maternal plasma in 1997. We have developed a robust non-invasive prenatal test for Down syndrome that is now used in over 50 countries around the world. We are also the first in the world to sequence the fetal genome from maternal plasma.

Our researchers are also prominent in cancer genomics, especially for liver and nasopharyngeal cancer. We have developed high throughput DNA sequencing approaches towards a promising blood test that can potentially detect all types of cancer.

These research groups have been supported by the highly competitive and prestigious State Key Laboratory Programme of China, the Areas of Excellence Programme of the University Grants Committee and the Theme-based Research Scheme of the Hong Kong Research Grants Council.

Our researchers in these areas have been recognised through their election to the Chinese Academy of Sciences, the Chinese Academy of Engineering, the Royal Society, the US National Academy of Sciences and the World Academy of Sciences. Other recognitions include the King Faisal Prize in Medicine (2014), the Chinese Young Women in Science Fellowship (2012), and awards from the Ministry of Science and Technology and the Ministry of Education of China.

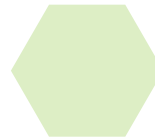


## Gastrointestinal Research

Gastrointestinal (GI) cancers (e.g. gastric, liver and colorectal cancers) are major causes of morbidity and mortality among the Chinese population. The State Key Laboratory of Digestive Disease at CUHK consists of a world-leading team of scientists and clinicians specialised in GI cancer and its related diseases. Our work includes the delineation of the molecular pathogenesis, novel diagnostic biomarkers and therapeutic targets of GI cancers, the treatment of HBV infection, and the management of peptic ulcer bleeding.

Our recent research highlights include the discovery of biclonal origin, novel recurrently mutated genes and a prognostic mutation signature in colorectal cancer, the development microRNAs (mir-921, miR-135b, miR-221 etc) as novel noninvasive biomarkers for colorectal cancer, the identification of novel tumor suppressor genes (ADAMTS9, DACT1 etc) in gastric cancer, and the elucidated novel oncogenes (e.g. CCRK) or tumor suppressive genes (e.g. Smad7) as therapeutic targets in liver cancer.

Our research group has published over 1,200 peer-reviewed articles including more than 100 top papers and has been honoured with 36 prestigious prizes such as the State Scientific & Technological Progress Award, the Laurel Award for International Leadership, and the MOE Higher Education Outstanding Natural Science Output Awards.



## Integrative Medicine

The Hong Kong Institute of Integrative Medicine was established in fall 2014 to develop an innovative model of healthcare service that synergises the strengths of both Western and Chinese medicine.

Distinguished from other local integrative medical units, the institute aims to explore the application of research findings on patients in order to bring about improvements in disease treatments, cutbacks in treatment cost, and alleviate the burden on patients and the health system caused by medical treatments.

The institute employs an evidence-based medicine process to study and evaluate the efficacy of integrative medicine in areas such as stroke rehabilitation, chronic pain treatment, metabolic diseases, digestive diseases, skin diseases, cancer rehabilitation, and women's health.

In response to an increasing demand for integrative medicine, the institute also investigates how Chinese and Western medicine can collaborate on risk management, clinical governance and teamwork on the existing clinical platform.

## Liver Research

Liver disease is highly prevalent in Asia. In Hong Kong, 7% and 27% of the general population have chronic hepatitis B and non-alcoholic fatty liver disease respectively, which may result in cirrhosis and liver cancer.

Our aim is therefore to improve diagnostic accuracy, develop effective treatments and prevent complications in patients with liver disease. The CUHK research team has led a number of international clinical trials for the treatment of chronic hepatitis B. We were among the first to show that antiviral therapy can prevent disease progression and liver cancer in chronic hepatitis B, pioneered the use of transient elastography to accurately diagnose liver fibrosis and cirrhosis, and developed a clinical score to predict liver cancer so that high risk patients can receive early diagnosis and curative treatment.

Our research findings have been cited by numerous international guidelines and have received numerous research awards. In 2013, our team received the First-Class MOE Higher Education Outstanding Scientific Research Output Award from China.





## Oncology

Our department's researchers are internationally recognised leaders in cancers prevalent in Asia including liver, nasopharynx, stomach and lung cancers.

Our department is part of the Partner State Key Laboratory of Oncology in South China (CUHK) and is an active member of the Phase II Mayo Consortium hosting US NCI funded studies, through our involvement in the Cancer Therapeutics Research Group.

Since 2007, we have been conducting studies in Radiation Therapy Oncology Group (now NRG Oncology) and in 2009 became a Sister Institution of US MD Anderson Cancer Centre.

Between 2009 and 2013, our investigators published 13 papers with impact factors of more than 10 either as first or corresponding authors. We are also involved in research projects with Cancer Research UK, Stanford University and the University of Liverpool. Results of the IPASS study published in the New England Journal of Medicine established EGFR TKI as the standard first line therapy for lung cancer patients with EGFR mutation.

Professor Tony Mok was the recipient of the 2013 Addario Lectureship Award and Professor Anthony Chan delivered the 2013 Gerald Choa Lecture for the Hong Kong College of Physicians. The Li Shu Fan Medical Foundation has established two Li Shu Fan Medical Foundation Professorships in Clinical Oncology (Professor Anthony Chan and Professor Tony Mok) in support of academic research in clinical oncology.

## The CUHK Jockey Club Minimally Invasive Surgical Skills Centre

942

Training courses conducted

14,716

Healthcare professionals trained

>850

Surgeons equipped with basic robotic surgical training between 2005 and 2014

## 1st in Asia

Our Robotic Surgery Training Centre was established in 2008 and is the first outside the US and Europe.

## Robotic and Minimally Invasive Surgery

The performance of the first laparoscopic cholecystectomy by the Department of Surgery at The Chinese University of Hong Kong in 1990 introduced minimally invasive surgery to Hong Kong. Since then, we have made major advances in minimally invasive surgery, including the application of laparoscopic colectomy for colorectal cancers, laparoscopic repair of perforated peptic ulcers, laparoscopic appendectomy and thoracoscopic surgeries. Minimally invasive surgery results in less pain for the patients after surgery and improved perioperative outcomes.

Our work has been extensively published and widely cited in medical literature and we have contributed to the medical community through publications in high-impact, respected journals such as The Lancet, Gastroenterology, Annals of Surgery, and the Journal of Bariatric Surgery.

In 2005, the Chinese University of Hong Kong established the CUHK Jockey Club Minimally Invasive Surgical Skills Centre (MIS). This is a unique multidisciplinary centre with advanced laparoscopic facilities for the most up-to-date training of MIS surgeons.





# The Journey to Become a Future Clinician-Scientist

The Faculty of Medicine conducts a wide range of biomedical research and other healthcare related research. Besides providing first-class facilities for researchers and offering significant postgraduate training, the faculty nurtures future clinician scientists from undergraduate programmes. Students have the opportunity to learn scientific research skills and participate in exciting research projects.



## **Nicole Tanner, GPS Year 2**

*Participated in research on dementia*

"In addition to the curriculum, CUHK and my mentor, Professor Vincent Mok, gave me incredible opportunities to explore in great depth how medicine can be applied in different contexts. In shadowing Professor Mok's research in dementia, I was able to learn about how research is executed and how it is designed.

To put this learning experience in context, I joined a team to write a scientific research paper, which achieved first place in an international competition in Korea."



## **Dr Wong Hei Sunny, MBChB Graduate**

*DPhil in Clinical Medicine (Oxford)  
MRCP (UK), MBChB (CUHK)  
Human Genome Organization Travel  
Award for Young Researcher*

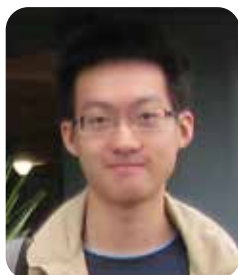
"The Selected Study Module (SSM) gave me the opportunity to conduct a project related to my interest area. This allowed me to learn the important methodology and statistical tools required to carry out laboratory and clinical research. With my educational background and work in the Prince of Wales Hospital as an academic unit, I was given the chance to join the vibrant research activities in the medical school while at the same time serving the public as a resident in the Department of Medicine. I hope I can contribute through the medical school to a better future for Hong Kong and mankind."





**Chung Fai Leung Jonathan,  
GPS Year 3**

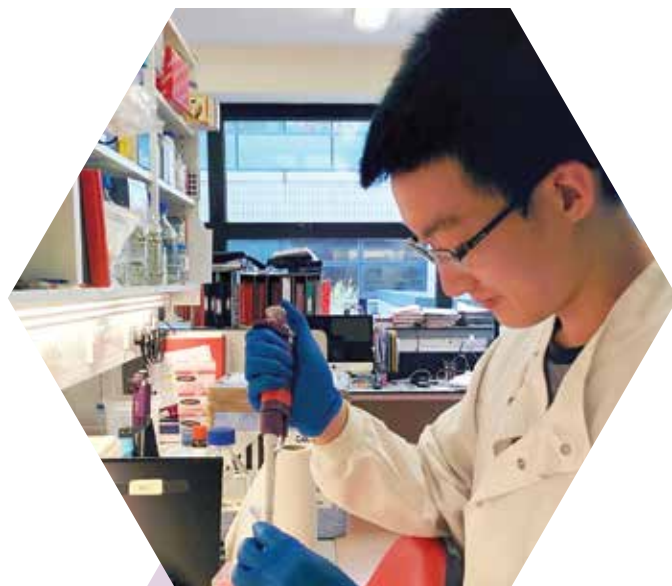
*Took part in an exchange scheme with The Weatherall Institute of Molecular Medicine (WIMM), The Oxford University*



“Since beginning my studies at medical school, I have realised my interest not only pertains to practice medicine, but also to the research behind it. I want to become someone who treats patients but who also finds clues that will lead to better cures in future.

The Weatherall Institute of Molecular Medicine (WIMM) in Oxford is one of the most renowned research centres. I was attached to its Molecular Haematology Unit, which consists of multiple teams of more than 100 scientists and doctors from around the world. Meeting and working side-by-side with pioneering researchers, and having a personal one-to-one supervisor and close companionship with people in the laboratories, was truly an eye-opening experience.

Not only did this attachment help me gain a deeper understanding of laboratory research and give me early exposure in this field, it has been a catalyst which will help my future prospects and open new opportunities to pursue further training in medical research.”



**Dr Ko Ho Owen, MBChB Year 5**

*PhD in Neuroscience (UCL),  
BMedSc (CUHK)*

*Overseas Research Students Awards  
and UCL Studentship*

*Published papers in the scientific  
journal Nature in May 2011 and April  
2013*



“In 2008 I moved to London to pursue a PhD in neuroscience at the University College London (UCL) with an Overseas Research Students Awards and UCL Studentship.

At UCL, I had the privilege of joining the visual neuroscience laboratory led by Dr. Thomas Mrsic-Flogel. Together with my colleagues, I developed a new experimental approach to address a fundamental question in neuroscience, investigating how the pattern of connections between neurons relate to their function.

Many wonder why I bother spending years doing things seemingly very remote to clinical medicine. It’s because in the long term, in addition to clinical practice, I want to pursue a career in biomedical research, and I consider it important to develop my ability in approaching research questions while I am young. I would encourage everyone who is interested in doing research to be courageous and give it a go.”

# To See the World: To Explore, to Experience and to Learn

Under the guidance of, and with the approval of, the Coordinator of Clinical Elective, each student arranges an attachment of their choice either in Hong Kong or overseas, in order to broaden their horizons. The clinical elective is conducted in MED 5 summer for four to six weeks. In 2014, 89% students completed their clinical electives in overseas attachment across 15 countries, while 8% completed the clinical electives in Hong Kong and 3% in China.

Apart from the summer electives, the university has a long tradition of promoting term-time exchanges to enhance the exposures of our students. Over the past few years, some of our medical students have taken part in one-year exchange study programmes in Europe and the United States.

With the new curriculum, we envisage an increase in flexibility to enhance these term-time exchange studies for medical students. In addition, the faculty is building a network of exchange schemes with other overseas medical schools and institutions, for example the Karolinska Institutet (KI).

Launched in 2013, the GPS programme provides outstanding students with opportunities to take part in overseas exchange and pursue graduate studies at top overseas institutions such as the University of Oxford and the University of Cambridge.

Clinical electives completed by students in 2014:

89%

were overseas  
across  
15 countries

8%

in Hong Kong

3%

in China



**Lam Ping Hei Pensi, GPS Year 3**

*Yale Cancer Center, Yale University*

“Lucky me! I went to Dr. Katerina Politi’s laboratory on lung cancer research at Yale. The lab is under the Yale Cancer Center and Department of Pathology of the Yale School of Medicine. The active interactions within the lab, the way meetings were held, and how I was patiently guided, all intrigue me and make me grateful to be learning much more than solely lab skills.

My work was related to lung cancer drug resistance. My main lab work was the extraction of mRNA extraction from tumor tissues and cells to see if they carry the mutations they are supposed to have. I have also learnt how to give xenograft mice drugs to see their tumor responses. These were all new skills to me.

The lab was a great working environment. We hold meetings every week and besides people give updates on their work, we spent time discussing fun or interesting papers. Even with a topic like ‘whether praying helps patients with bloodstream infection’, they analysed rationally the research methods. Everyone was actively involved, throwing questions and joining in brainstorming.”

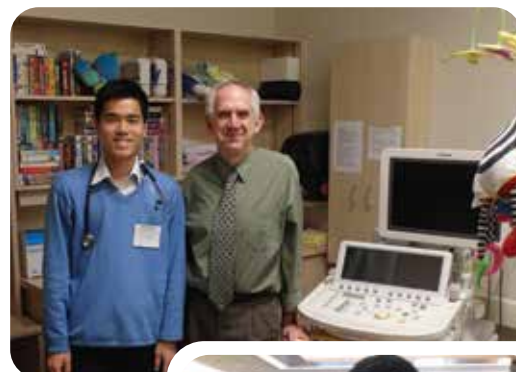
**Au Chi Chun, MBChB Year 5**

*Elective in Canada*

“I visited the Paediatric Cardiology Department at Victoria Hospital in Canada last summer. I was assigned to interview patients born with heart defects in clinic and besides reporting to senior doctors, I also assisted in documentation. There I met Andrew who has Down syndrome. I was amazed that despite undergoing cardiac surgery which limited his physical strength, he was a talented artist and after coming up with an idea to raise money for college, he began designing T-shirts to raise funds for charities for the disabled.

During my time there, I stayed with a Singaporean host family who took me to their church where I made some new friends. I was also so happy to see snow for the first time in my life and to visit the Niagara Falls.

Looking back, I am so thankful to the faculty for allowing me to visit Canada for my medical elective, to practice medicine in another way, and to meet different people and experience a different lifestyle.”



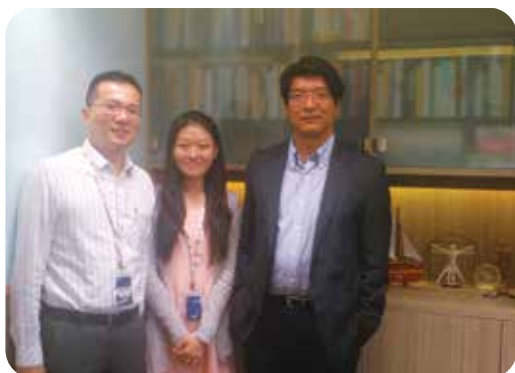
**Vivian Lok, MBChB Year 5**

*Elective at Hospital Authority*

“Generally during the summer break in between Year 4 and Year 5, MBChB students receive financial support to do clinical attachments in different countries and cultures. However, thanks to the faculty and professors, I did something unique: I was the first student to be elected for attachment to the Hospital Authority.

During the one-month attachment, I learned about administrative medicine and realised that teamwork is the ultimate key to efficient patient care in the medical field. A good leader is always indispensable to every successful team. The one thing that I would like to share with you about the attachment is that a good leader is not the one walking in front of the team, but the one walking among them.

I want to thank the faculty whole-heartedly for letting me excel and experience this different form of personal development.”





# We Serve the Community

## The Ethnic Minority Health Project

The mission of the Ethnic Minority Health Project is to mitigate the adverse human impact caused by natural disasters, as well as to reduce behavioural and environmental health risks through evidence-based health education campaigns in remote, disaster-prone, and poverty-stricken communities in rural China. The project is a collaborative effort among students, faculties, local and international professionals, as well as community representatives from a wide array of disciplines.

In 2014, the team visited the Yi ethnic group situated in Hongyan Village in Sichuan Province, China. They aimed to empower the villagers by health intervention to alleviate the adverse impacts of natural disasters and human health risks related to behavioural factors. Based on collected data which revealed villagers' preparedness to disasters and their health awareness, students gave presentations on a variety of health topics including

- Preparation of disaster kits
- Oral rehydration solution
- Detrimental effects of smoking and alcohol consumption



*"It warmed our hearts when we saw the smiling faces of villagers during our presentation to them."*

*Michael Suen, participant in the Ethnic Minority Health Project 2014*



### Summer Clinical Attachment Programme for Secondary School Students

Organised by the Faculty of Medicine, the Summer Clinical Attachment Programme is an annual event which aims to introduce secondary school students to the medical field and give hands-on experience in real-life settings such as doctors' duties and hospital operations.

The programme consists of three parts: Lectures on the latest technology, alumni and professionals sharing sessions, and a doctor shadowing session. The attachment programme is popular and highly reputable among the public. This year more than 100 secondary school students, nominated by schools, took part in the five-day programme from 7 July to 11 July. It also included one night of accommodation to give the participants a taste of university life.



### Visiting the Terminally Ill at Grantham Hospital

With the continued support of Grantham Hospital Hospice Centre, the Medical Outreachers student association has over the past few years run the Palliative Care Service at Grantham Hospital.

The service recruits students and trains them to work closely with the centre and social workers as hospice care volunteers who make bi-weekly visits to terminally ill patients. During visits, between June and August, the students provide extended care to the patients through activities such as handicrafts. Also, recognising the desire of patients to record their memories, participants help transcribe their life stories.

It is hoped that through this programme, patients may benefit from the care of our volunteers while our medical students can better understand how to be empathetic doctors.



*“Regular bedside visits to the patients allowed me to get know them better as people rather than patients with a certain disease. This reminded me that a good doctor is someone who treats the person, not just the disease.”*

Phoebe Ho, participant in the Palliative Care Service



### **"A Healthier Me is an Irresistible Me"**

The Asian Medical Students' Association (AMSAHK) organised two sessions of a health fair titled: "A Healthier Me is an Irresistible Me" at Tseung Kwan O and Ma On Shan this year. The project aimed to motivate the public to be more in control of their health as well as to develop healthy, positive mental attitudes towards their body image and healthy life habits, and, in the context of the event, to become "irresistible".

With overwhelming support and extremely positive feedback, the health fair reached over 1,200 people. The campaign included some basic health check-ups, dietary advice, simple home exercise recommendations and infographics. Being committed to improving the health of the general public, AMSAHK strongly believes the implementation of a health fair in shopping centres is an effective means of attracting the attention and interest of the public and encouraging people to change their lifestyle and be more in control of their health.

*"I see the public fair as a prelude to my medical career ahead. It is fascinating to apply what we have learnt in the classroom to demystify some general health misconceptions within the community."*

*Landon Chan, coordinator of "A Healthier Me is an Irresistible Me" Health Fair*



*"Health is a gift in life. The trip has strengthened my determination to become a doctor and offer that gift to those in need."*

*Sharon Tsang, participant in the overseas social service trip to Uganda*

### **We Serve We Care Vietnam Service Trip**

Every year the medical society organises an overseas service project for CUHK medical students. The programme aims to equip participants with leadership skills, broaden their horizons and, most importantly, remind them of the importance of being caring and loving to people in need. In 2012, the project was named: "We Serve We Care Vietnam Service Trip". A group of 21 medical students from Year 1 and 2 visited Hanoi in Vietnam for 15 days to explore the issue of Agent Orange and serve the underprivileged.





# Financial Aid and Scholarships

Students can apply for territory-wide university, college and faculty scholarships. The university and the Faculty of Medicine offer more than 300 scholarships and awards to students who achieve academic excellence, demonstrate outstanding leadership, and perform dedicated extracurricular and community services. In 2013/14, the percentage of medical students receiving scholarships by year of study was 30%.

In 2013/14

30%

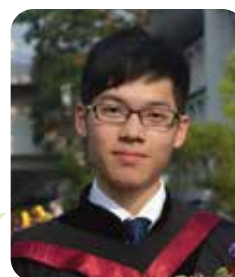
of medical students received scholarships

To help needy students meet part of the cost of their university education, the government has made provisions for grants and loans through the Student Financial Assistance Agency. The university and the Faculty of Medicine also administrate their own bursaries, loans and campus work schemes to registered local and non-local needy students.

## Au Chi Kin, MBChB Graduate

- Carol Yu's Scholarship
- City Lions Club of Hong Kong Award
- Dr. and Mrs. Tzu Leung Ho Outstanding Academic Awards (Grand Medal)

*"I would like to thank our patients, who are always our best teachers and selflessly teach us through their experiences, consolidating and transforming our theoretical knowledge into practicable clinical skills and experiences."*



## Cheung Pui Shan Sandy, MBChB Year 5

- Cheng Chek Chi Memorial Scholarship
- Health Medical Diagnostic Centre Prizes in Anatomical & Cellular Pathology
- Kan Tong Po Medical Scholarship
- Medicine Year 3 Outstanding Musculoskeletal Panel Prize
- Mr & Mrs Law Chung Wan Prize for Distinction in Medicine

*"I would like to express my gratitude to the teaching staff for their guidance and generous support despite their busy workload. Not only do they teach us medical knowledge, they also demonstrate the caring attitude towards patients and are role models for a good doctor."*



## Fong Ka Man, MBChB Graduate

- Certificate of Merit for Outstanding Performance in the Medicine Component of Part II of the Third Professional Examination
- Kan Tong Po Gold Medal in Medical Studies
- Medicine Year 5 Certificate of Merit for Orthopaedic Module

*"I am very proud of the culture of our faculty. Looking back at my five years of medical study, I would like to thank our dedicated teachers who are willing to devote their time despite their busy clinical duties to teaching their juniors, and the strong family spirit amongst students who are willing to share knowledge and support each other."*



# To Study, To Play and To Serve



## Medical Society

The Medical Society is a non-profit student association organised by a group of aspiring medical students. Each year, it organised a wide range of academic, recreational and social events. In 2014, the society hosted a charity event, the Medical Students' Festival, to raise funds for a beneficiary through a variety show and a charity ball. It also continues to organise the annual flagship event - the Health Exhibition - to raise public awareness of health issues.

## AMSAHK

The Asian Medical Students' Association Hong Kong (AMSAHK) is a student-led organisation jointly run by medical students from the University of Hong Kong and the Chinese University of Hong Kong. By bringing together medical students from two entities in Hong Kong, the AMSAHK aims to cultivate local awareness and global perspectives towards health issues and beyond. As a founding member of AMSA International and an associate member of the International Federation of Medical Students' Associations recognised by both the WHO and the UN, AMSAHK provides an extensive global network to medical students by joining overseas conference and establishing international student exchange programmes. Locally, AMSAHK organises public health projects on particular health issues and launched the MedStart programme. To become energetic and sociable doctors, AMSAHK hopes students not only acquire medical knowledge from textbooks but also form lasting bonds with students from different backgrounds by participating in a variety of events.



## MedEgg

MedEgg Production was established in October 2001, and registered as a non-profit-making organisation in April 2002. As its name suggests, this is a theatre group purely composed of medical students, taking part from the stage to backstage. MedEgg aims at promoting drama to the medical school while allowing students to train up their confidence and teamwork skills as well as sense of responsibility which are traits crucial to career development. Through drama, MedEgg also hopes to convey the views and aspirations of future doctors.





### Medical Outreachers

Medical Outreachers Hong Kong is a non-government organisation run by medical students from the Chinese University of Hong Kong and the University of Hong Kong. By cooperating with various NGO partners and organising a wide range of services, from local hospital visits to cataract surgery trips in China, it aims to inspire future doctors to engage in medical volunteer service, and cultivate a sense of compassion and devotion to serve the community. Medical Outreachers was formally registered as a charitable organisation under the Inland Revenue Department of HKSAR in May 2011.



### Pharmacy Society

The Pharmacy Society is a student association which has been serving the School of Pharmacy since 1993. Dedicated to the pharmacy profession, the society aims to inspire students and serve the community. This year, 11 passionate pharmacy students formed the 21st Pharmacy Society, Pharmise. The society promises to provide the best for members of the school and promote pharmacy professionalism to the public by organising activities that are not only enjoyable but also rewarding. With patience, passion and persistence, the society wishes to create precious moments that can be enjoyed by all pharmacy students together.



### Society of Chinese Medicine

The Society of Chinese Medicine is a student association founded in 2001 which serves over 180 Chinese Medicine students, ranging from Year 1 to 6. To strengthen the bonds among students and enhance their sense of belonging to the School of Chinese Medicine, a wide range of activities, including the Spring Banquet and Semester Opening Party, are held throughout the year. Apart from in-school activities, the society organises joint school events, such as the "Xinglin series", to connect Chinese Medicine students from different institutions. To further benefit its members, the society also acts as a communication medium between teaching staff and students.



### Society of Public Health

The Society of the School of Public Health and Primary Care was formed by students of both the Public Health Programme and the Community Health Practice Programme. The society aims to strengthen connections between students of the two programmes, mainly by organising a range of activities for its members. Annual activities organised by the society include the Spring Celebration, Graduates' Photo-Taking Day, Freshmen Orientation Camp and Sports Day. Members also organise unique health promotion activities, primarily targeted at staff and students of CUHK. Outside the campus, the society participates in health promotion activities to improve the health of the public.



### Nursing Society

The nursing society is the student association of the School of Nursing founded in 1991. It is run by a group of aspiring nursing students who are enthusiastic about serving more than 1,000 students at the school. This year, 14 pensionable students have formed the 20th Nursing Society, Dynursity. This society aims to enhance the sense of belonging to the school among all nursing students, and serve the community. Throughout the year, it has organised several volunteer services to raise public awareness of health. In recognition of the importance of maintaining a healthy balance between work and fun, the society also organises a number of joint university activities to help nursing students extend their network within the medical field while enjoying exciting and interesting activities. The society hopes all nursing students will enjoy the diversity of university life during their five years at CU Medicine.





# Messages from Alumni

## Dr Hon Leung Ka Lau

*Member, Legislative Council, HKSAR  
1986, MBChB; 2005, MD*

"In this profession, our primary goal is to work for the best of our patients. The greatest satisfaction comes from their full recovery."



## Dr Luk Che Chung

*Cluster Chief Executive, Hong Kong  
West Cluster, Hospital Authority  
1986, MBChB*

"Being a doctor is never an easy job. You have to be resilient and tolerant of hardship, heavy workload, and the tremendous stress that comes with saving lives. However, your painstaking efforts are worth making when you witness the full recovery of your patients."



## Prof James CS Chim

*SH Ho Professor, Haematology &  
Medical Oncology, Department of  
Medicine, University of Hong Kong  
1986, MBChB*

"To make a good clinician, knowledge, clinical skill, empathy and effective communication matter. To strive for excellence, passion counts in addition of all of the above. Translational research is the key to seeing the future of medicine."



## Dr Siu Wing Tai

*Clinical Associate Professor (honorary),  
Department of Surgery, CUHK  
Consultant Surgeon, Hong Kong  
Sanatorium & Hospital  
1989, MBChB*

"The Faculty of Medicine of CUHK is an outstanding medical school. It is located in a comfortable and beautiful campus. Since my graduation, I have witnessed the growth of my Alma Mater. Young as she may be, our medical school is privileged in not being under the constraint of rigid traditions. Every member enjoys the freedom of innovation and development. I foresee a brilliant future for the Faculty of Medicine of CUHK."



## Dr Pang Fei Chau

*Chief Manager (Medical Grade),  
Hospital Authority  
1994, MBChB*

"The white coat any doctor wears is not merely uniform, but a symbol of respect and trust by patients. I thank CUHK Medical Faculty for providing me with the clinical skills and professionalism I need as a doctor to serve patients. Nevertheless, the education of the medical school is the doorway which takes us into our lifelong career. Once through that door, there is still a long way to go to learn how to win trust from the community."



## Dr Arora Namrata

*Resident, Family Medicine, Kowloon  
West Cluster  
2011, MBChB*

"Through the one-month Overseas Exchange Student Programme, medical students can choose to visit hospitals in foreign countries. I had my elective clinical attachment in India, where I had the opportunity to experience medical practices there as well as the culture."



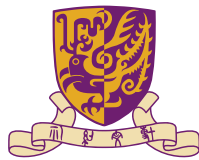
## Dr Jennifer Lui

*Top Ten Regeneration Warriors 2005  
2012, MBChB*

"Studying medicine is tough and challenging, yet it became interesting and fulfilling with the support of all my classmates and teachers. With their help, I was able to overcome obstacles and solve problems I encountered. I studied with my classmates, prepared for examinations and celebrated festivals together. These friendships are the most invaluable thing I gained in these years."







香港中文大學  
The Chinese University of Hong Kong


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 <http://www.facebook.com/CUHKMedicine>