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HKUMed has been at the forefront of the global effort to contain the Covid-19 pandemic, providing the earliest assessments of the disease’s spread and transmission, characterising the culprit SARS-CoV-2 virus, and giving timely advice to the World Health Organization (WHO), the Hong Kong and other governments and local and international media.

FEATURE

8 The Emerging Changemakers

The frontiers of medical and scientific wisdom are being advanced at an unprecedented level, taking us down new paths of understanding and opening new avenues for treatment and wellness. HKUMed has been grooming a pool of young talented researchers, who are adept at applying newer tools such as bioinformatics and artificial intelligence, as well as incorporating traditional clinical feedback. The nine young scholars featured in this issue are distinguished by significant research success early in their careers.

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The Faculty is highly proactive in reaching out to our counterparts in universities and government bodies across the nation and the world. We participate in high-level regional and global forums, share information and expertise with our counterparts from other institutions, and explore new collaborations. These engagements benefit scholars, teachers and students of HKUMed by providing new opportunities and horizons, and ultimately will benefit patients by enriching our knowledge and expertise.
52 SPACE

HKUMed’s redevelopment is well underway to modernise our teaching, learning and research facilities with new spaces and finishes, and give us extra room to grow. The first areas being completed are the lobby space and the new Learning Commons at 21 Sassoon Road. These vibrant, open spaces are designed to encourage staff, students and visitors to interact and be inspired.

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The Faculty in 2018 & 2019

as of December 2018

325
Professoriate Staff

2,762
Undergraduate Students

3,022
Honorary Academic Staff

1,523
Postgraduate Students

as of December 2019

326
Professoriate Staff

2,874
Undergraduate Students

2,973
Honorary Academic Staff

1,676
Postgraduate Students

Undergraduate Programmes (full-time)

as of December 2018

<table>
<thead>
<tr>
<th>Programme</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
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as of December 2019

<table>
<thead>
<tr>
<th>Programme</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
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<tr>
<td>Bachelor of Medicine and Bachelor of Surgery</td>
<td>286</td>
<td>239</td>
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<td>-</td>
<td>991</td>
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<tr>
<td>Bachelor of Chinese Medicine</td>
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<td>21</td>
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<tr>
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<td>-</td>
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</table>
Postgraduate Education

- The Faculty currently offers 13 taught postgraduate programmes in 2019-20.
- The Faculty successfully admitted 214 Research Postgraduate (RPg) students in 2018-19. Nineteen of our new PhD students have been awarded Hong Kong PhD Fellowships by the Research Grants Council (RGC) and 10 have been awarded University Postgraduate Fellowships.
- One MPhil and one PhD student won the Li Ka Shing Prize in 2019.
- One PhD student received the Outstanding Research Postgraduate Student Award in 2019.
- 20 and 15 RPg students gained admittance to exchange programmes (out-going) in 2018 and 2019, respectively at renowned universities overseas, including Columbia University (USA), Harvard University (USA), King’s College London (UK), Karolinska Institutet (Sweden) and University of Toronto (Canada).
- 5 and 7 incoming RPg students in 2018 and 2019, respectively, including those from Erasmus University Rotterdam (The Netherlands), Ludwig-Maximilians-Universität München (Germany), Newcastle University (UK) and Monash University (Australia) joined the Faculty as exchange students.

(As of December 2019)

Research Grants

- Research grants awarded to Faculty members totalled HK$378.23 million in 2018 and HK$538.66 million in 2019.

<table>
<thead>
<tr>
<th>Fund/Medical Research (Million)</th>
<th>2018 Number of Projects</th>
<th>2018 HKS (Million)</th>
<th>2019 Number of Projects</th>
<th>2019 HKS (Million)</th>
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<td>RGC General Research Fund/Early Career Scheme</td>
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<td>47.21</td>
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<td>66.55</td>
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<td>Health and Medical Research Fund</td>
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<td>84.27</td>
<td>107*</td>
<td>126.73*</td>
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<td>Health and Medical Research Fund Commissioned Grants</td>
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<td>32.23</td>
<td>11</td>
<td>147.29</td>
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<td>SK Yee Medical Foundation Grants</td>
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<td>6.63</td>
<td>5</td>
<td>3.49</td>
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<td>RGC Area of Excellence</td>
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<td>77.803</td>
<td>0*</td>
<td>0*</td>
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<td>RGC Collaborative Research Fund</td>
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<td>18.78</td>
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<td>RGC Theme-based Research Scheme</td>
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<td>2</td>
<td>105.555</td>
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<tr>
<td>Innovation and Technology Fund</td>
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<td>25.67</td>
<td>40</td>
<td>30.42</td>
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<tr>
<td>Others</td>
<td>45</td>
<td>36.3</td>
<td>33</td>
<td>44.58</td>
</tr>
</tbody>
</table>

*Provisionally awarded
*^ No exercise was called in 2019
(As of December 2019)
Research Output 2018-2019

• The Faculty’s refereed research output saw 1,920.8 items produced in 2018-2019, accounting for 36.4% of the University’s total of 5,275.5 refereed items. The output included important publications in *The Lancet, Nature* and *Science*, etc.
• According to Clarivate Analytics, our researchers have published 297 Highly Cited Papers, and 4 staff members are listed as Highly Cited Researchers. As of July 2019, among 119 HKU staff on the list of Top 1% scholars, 52 of them are from HKUMed, accounting for 44% of the Top 1% scholars in HKU.

Public Education

<table>
<thead>
<tr>
<th>Projects</th>
<th>Number as of 2018</th>
<th>Number as of 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public lectures/ Symposia/ Forums</td>
<td>98</td>
<td>103</td>
</tr>
<tr>
<td>Press conferences and events</td>
<td>45</td>
<td>34</td>
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<tr>
<td>Health programmes on television and radio</td>
<td>147</td>
<td>214</td>
</tr>
<tr>
<td>Regular newspaper columns</td>
<td>109</td>
<td>100</td>
</tr>
<tr>
<td>Media coverage generated</td>
<td>2,829</td>
<td>2,926</td>
</tr>
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</table>

*(as of December 2019)*
HKUMed’s Rapid Response on COVID-19

HKUMed has been at the forefront of the global effort to contain the Covid-19 pandemic, providing the earliest assessments of the disease’s spread and transmission, characterising the culprit SARS-CoV-2 virus, and giving timely advice to the World Health Organization (WHO), the Hong Kong and other governments and local and international media.

“The world is facing the biggest threat in living memory to health, wellbeing, social welfare and the economy,” said the Dean, Professor Gabriel Leung (梁卓偉). “International solidarity is an essential response and HKUMed has been able to make significant contributions on the strength of our investments in emerging infectious disease research since SARS in 2003.”

The investments include the State Key Laboratory of Emerging Infectious Diseases, WHO Collaborating Centre for Infectious Disease Epidemiology and Control, WHO H5 Reference Laboratory and two P3 (biosafety) laboratories. HKUMed scientists harnessed these resources to position the Faculty as a world leader in the field long before Covid-19 appeared and are now focusing all efforts on this new viral threat.

A brief summary of HKUMed’s Covid-19 research highlights is provided on these pages, together with our activities in raising community preparedness and awareness and adapting our educational programmes to social distancing requirements. More research advances will be forthcoming as the global battle to control the virus continues apace and shared, along with our experts’ advice, through the mass media and our social media platforms.
Research Highlights*
(As of April 14, 2020)

Diagnosis
- Developed a protocol by mid-January to detect Covid-19 in suspected human cases.
- Produced electron microscope images of the virus.
- Produced leading research on the severity of infections in terms of numbers hospitalised and deaths.
- Produced multiple reports on the viral dynamics in mild and severe cases, and showed that a deep throat saliva sample taken in early morning is effective for diagnosing and monitoring Covid-19 infection.
- Developed rapid nucleic acid amplification tests for Covid-19 that have been used by public healthcare laboratories in more than 70 countries and territories.
- Identified SARS-CoV-2-related coronaviruses in Malayan pangolins that were seized in smuggling operations in southern China.

Transmission
- First to demonstrate human-to-human transmission of the virus involving a family case at HKU-Shenzhen Hospital.
- Produced the first analysis of the transmission dynamics of the disease in collaboration with the Chinese Center for Disease Control and Prevention.
- Produced the first mathematical dispersion model of the potential spread of Covid-19 within China and beyond; the projections, produced in late January, have in many ways been materialised.
- Published an analysis on the effectiveness of face masks, involving pre-Covid-19 viruses, that was the fifth highest ranked article on Altmetric, which scores research papers globally based on the attention received in social media and mainstream news.

Tests and Trials
- Developed a hamster model that is more physiological than transgenic mice and more accessible than macaque monkeys. In one test, plasma from recovered hamsters was injected into infected hamsters and reduced the lung viral load by ten times.
- First to use an ex vivo human lung explant model to demonstrate that the SARS-CoV-2 virus has a higher virus replication and lower interferon/inflammatory response than the 2003 SARS-CoV, which explains the relatively mild symptoms and higher transmissibility of the new virus.
- Announced plans for a clinical trial on a possible target drug (through the HKU Clinical Trials Centre) and vaccine (through the State Key Laboratory of Emerging Infectious Diseases).

The Bigger Picture
- Two HKUMed staff (the Dean, Professor Gabriel Leung, and Professor Yuen Kwok-yung (袁國勇)) appointed to the 25-member WHO-China Joint Mission that visited five cities over two weeks in February to assess the state of the epidemic in China and the effectiveness of its response.
- Professor Leung appointed to co-convene the WHO’s research group on the epidemiology of Covid-19.
- Three HKUMed staff (Professor Leung, Professor Yuen and Professor Keiji Fukuda (福田敬二)) appointed to the Hong Kong government’s four-member expert advisory group on Covid-19.

The Research Council chaired by the Secretary for Food and Health has approved a total funding of HK$111 million on April 27 to support the two medical schools in Hong Kong to conduct 26 medical research studies on Covid-19 under the Health and Medical Research Fund (HMRF). HKUMed received more than HK$76 million out of the total funding.
Raising Awareness

• **Real-time Dashboard:** Operated by the School of Public Health to provide a daily tally of cases in Hong Kong broken down by age, source (local, imported, possible local, close contact of these), onset, confirmation, hospitalisation, isolation, discharge and deaths.

• **#askHKUMed and other advice and information:** Short videos, infographics and other information produced by HKUMed for sharing on social media. Examples of topics include how to properly wear masks and wash hands, for both adults and children; what is rapid testing; how the fatality rate is calculated; the impact of Covid-19 on women; and thoughts on the herd immunity proposal, among other issues.

• **Mass Media:** Dozens of interviews given to local and international media by HKUMed experts; opinion pieces have also been contributed. Outlets include some of the top news outlets in the world, such as 60 Minutes Australia, Al Jazeera, Australian Broadcasting Corporation (ABC), BBC News, Caixin Media, CBS News, CGTN, CNN, CCTV, Euronews, NBC news, National Public Radio, NHK (Japan Broadcasting Corporation), Phoenix TV, Reuters, Sveriges Television; *The Atlantic, Der Spiegel, The Economist, Financial Times, Fortune, The Guardian, La Repubblica, The New York Times, New Yorker, Politico, The Straits Times, The Wall Street Journal*, etcetera., reaching billions of readers/viewers worldwide. The School of Public Health and HKU Journalism and Media Studies Centre held a joint workshop, “Learn to Decode What You Hear about Covid-19” that was livestreamed on March 30 and is available on YouTube.

• **Latest updates via social media:** HKUMed has attracted a high level of interest and engagement through its social media accounts, which are posting the latest research findings, updates and advice as the Covid-19 epidemic evolves. Tweets through our @hkumed Twitter account have garnered millions of impressions and engagements. Our Facebook, Instagram and LinkedIn accounts have also seen a high level of activities, as has the Dean’s Twitter account @gmleunghku.

Learning Arrangements for Students and the Community

• **Faculty Programmes:** Regular updates on teaching and learning arrangements have been provided to students and staff since January 22. Most learning has moved online. Special notifications have also been sent out to students in their clinical and final years and those who are on their experiential year abroad. The Yu Chun Keung Medical Library has provided access to e-resources.

• **Online learning for all:** Two highly relevant MOOCs (massive open online courses) are offered through the Faculty: Epidemics I and Epidemics II. Both were developed by the Dean and look at the fundamental scientific principles underlying epidemics and the public health actions behind their prevention and control. Epidemics II incorporates Covid-19.

HELPING HANDS

HKU, the HKU-Shenzhen Hospital and Hong Kong’s Elderly Commission bought 50,000 masks in early February for 5,000 elderly people in need. Student volunteers packed the masks which were distributed by 11 non-government organisations.

Thin-section electron micrographs of the 2019 novel coronavirus grown in cells at The University of Hong Kong. The image shows part of a virus infected cell grown in culture with multiple virus particles being released from the cell surface. Each infected cell produces thousands of new infectious virus particles which can go on to infect new cells. Image credit: John Nicholls, Leo Poon Lit-man and Malik Peiris, The University of Hong Kong.
The frontiers of medical and scientific wisdom are being advanced at an unprecedented level, taking us down new paths of understanding and opening new avenues for treatment and wellness. HKUMed has been at the forefront of this expansion, particularly in such areas as infectious diseases, cancer and liver transplants. One of the keys to our success has been grooming a pool of young talented researchers, who are adept at applying newer tools such as bioinformatics and artificial intelligence, as well as incorporating traditional clinical feedback.

當今的醫學知識和科研技術正以前所未有的速度發展, 對醫學有更深刻的理解, 並開闢了醫療技術新路徑, 提升人民健康,保障大眾健康福祉。香港大學李嘉誠醫學院一直走在科研前沿, 在傳染疾病、癌症和肝臟移植等範疇裡, 成績尤其卓越。醫學院能夠稳步前進, 其中一個成功關鍵就是培養了一群優秀的年輕研究學者, 他們擅於運用新工具如生物資訊及人工智能, 結合傳統臨床試驗, 開拓科研新領域。
The nine young scholars featured in this issue are distinguished by significant research success early in their careers. For example, they have tracked the paths of H7N9 bird flu and Middle Eastern Respiratory Syndrome (MERS), pinpointed cancer stem cells, and shown that antioxidants can help some cancers to grow. These achievements are the result of their wide-ranging curiosity, deep understanding of new technologies and attention to patient experiences, which they have harnessed to great effect.

“Novel multi-omics, big data research demands new thinking,” the HKUMed’s Dean, Professor Gabriel Leung, said. “We are placing priority in attracting young talents who have an intuitive understanding of this approach and providing them with an environment to flourish. They are integral to the Faculty’s future success and to better outcomes for patients in future.”

To support those goals, we have launched an initiative to recruit 140 more professoriate members, including up-and-coming scholars, by our 140th birthday in 2027. This is in addition to HKU’s generous Presidential PhD Scholarships and Post-doctoral Fellowships to attract young scholars and provide them with research funding.

The Faculty has also invested heavily in the cutting-edge technology and systems that enable scholars to make ground-breaking discoveries. Our Centre for PanOmic Sciences was established in 2019 as a successor to the Centre for Genomic Sciences and boasts such facilities as new single-cell sequencing platforms, a multi-disciplinary biobank, and expanded capabilities for bioinformatics and original research. We are also preparing to establish Hong Kong’s first GMP facility in collaboration with Hong Kong Science Park.

“Have we done very well in recent years recruiting young talent and providing incentives to help them succeed. Their achievements speak to the quality and commitment of our recruits,” said Professor Leung Suet-yi, who recently completed a six-year term as Associate Dean (Research) of HKUMed.

The nine scholars have collectively also earned strong external recognition for their achievements. They have all published in leading journals. Two have been named among the top 1% most-cited scholars in their fields – Dr Stephanie Ma Kwai-yee and Dr Tommy Lam Tsan-yuk. And they have all received awards in their fields and/or from HKU for their work.

Professor Leung’s successor, Professor Leung Wai-keung, will continue the drive to recruit and nurture young talent that can enhance the Faculty’s contributions to medical science. “With the Hong Kong government’s recent emphasis on innovation and technology and the transformation of the Greater Bay Area into an innovation hub, there are many opportunities out there. We are ensuring that we will have the talent and energy to seize them for now and the longer term,” he said.

本期介紹的九位年輕學者，他們在研究事業的早期階段已取得傑出成就，當中包括成功追蹤H7N9禽流感和中東呼吸綜合症冠狀病毒的傳播途徑，準確破解癌幹細胞的特性，以及發現證據顯示抗氧化物有助某些癌細胞繁殖生長等。這幾位年輕學者，對科研懷有廣泛的探研之心，對新技術認識深入且運用嫻熟，亦時加留意病人臨床反應的細節，這些都是促使他們成功的原因。

醫學院院長梁卓偉教授說：「新多組學和大數據研究，需要新思維。醫學院當今要務，是致力吸引在這方面有天賦的年輕人才，並為他們提供優良環境，讓其發揮科研潛力。醫學院要保持發展優勢，年輕學者的力量不可少，他們是未來社會的健康福祉所依。」

為了吸引年輕科學家，港大一向設有多個豐厚獎學金。以此為目標，醫學院亦計劃在2027年慶祝成立140周年之前的七年間，多招募140名教授人員，其中當不乏在科研界嶄露頭角的年輕學者。

醫學院亦重點投放資源於先端技術系統和平台，以配合科研人員尋求突破性發現。2019年，前為基因研究中心的港大泛組學科研中心正式成立。中心擁有單一細胞排序平台及跨學科的生物資料庫，大大提升了處理生物訊息和原創科研的能力；此外，醫學院亦與香港科技園合作，籌備成立香港首個GMP（生產質量管理規範）設施。

剛剛卸任六年任期副院長（科研）職位的梁雪兒教授說：「醫學院近年在聘請年輕學者方面，成績很是不俗；學校也盡力提供支援和鼓勵，他們的成就，正好表明醫學院作出聘請優秀科研人才的承諾。」

這九位年輕學者的科研成績在國際間均贏得高度認可。他們的研究成果都登上國際知名醫學期刊，其中馬桂宜博士和林讚育博士更在生命科學領域中躋身首1%獲最多引用的學者。他們幾位亦屢獲殊榮，得到校內校外所頒發的各種獎項。

接替梁雪兒教授重任的新任副院長（科研）梁偉強教授，將繼續不遺餘力地羅致和栽培年輕人才，傳承醫學院在科研上的堅實貢獻。梁教授說：「香港政府近年大力推動創新科技，大灣區也正朝着作為創新科技中心的方向發展，機遇處處，因此無論是現在、還是將來長期計劃中，醫學院必須確保有優秀人才和充足的幹勁，去把握每一個發展機會。」
As a pharmacist of the emergency department at Austin Hospital in Melbourne Australia prior to joining HKUMed, Dr Esther Chan Wai-yin, Associate Professor of the Department of Pharmacology and Pharmacy encountered situations that spurred her discoveries on sedating drug use for behavioural emergencies and anti-blood clotting (anticoagulation) drugs.

Seeing patients in an agitated state who were at risk of harming themselves and others motivated her work on sedation drugs. “The agitation may be due to mental health issues or related to drug and/or alcohol abuse. But there had not been much data about which drugs work quickly and safely or how they compared,” she said.

She therefore conducted randomised clinical trials in Drug Solutions for Emergencies Australia and Hong Kong to determine the best drugs and delivery methods for achieving quick and safe sedation. She showed that olanzapine was safe and effective to be delivered both intravenously and intramuscularly. The Hong Kong trial was the first clinical trial in Asia to compare sedative and antipsychotic medicines for use in behavioural emergencies.

Dr Chan also showed in a separate study that haloperidol – the most commonly prescribed antipsychotic medication in Hong Kong was associated with an increased risk of death compared with several other anti-psychotics. The study advised that elderly patients and those at risk of heart disease or pneumonia need careful monitoring or, preferably, should be given a different antipsychotic drug.

Her work in these areas have led to practice changes

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**Up-and-Coming**

Exciting new discoveries have been made by young HKUMed scholars, from unravelling the mechanisms of obesity to identifying the triggers of cancers common among Hong Kong and Asian people.

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**Dr Esther Chan Wai-yin**
and recommendations in clinical practice guidelines including the Australian Therapeutic Guidelines, and are expected to guide and improve the future management of acute agitation in emergency settings in Hong Kong and abroad.

Dr Chan’s work on anticoagulation medicines was motivated by the fact that emergency rooms see a lot of patients with bleeding due to these medications, which are often prescribed to reduce the risk of stroke. She embarked on population-based cohort studies on oral anticoagulants – and found that gastroprotective agents could reduce the risk of gastrointestinal bleeds, which is a common concern in people taking anticoagulation medications. This has led to recommendations in clinical practice guidelines and changes in clinical practice. She continues to work on the most frequently used newer anticoagulation medications ( dabigatran, apixaban, rivaroxaban and edoxaban) to discover more about their effectiveness and safety profiles.

She also studied the data of men and women patients being treated for atrial fibrillation by the Hong Kong Hospital Authority and found that newer oral anticoagulants could be more effective and safer, especially for women patients. Although warfarin was the most commonly used drug, Dr Chan and her team found that women who were prescribed a newer treatment, non-vitamin K antagonist oral anticoagulant, had a further reduced risk of bleeding in the brain compared with warfarin. The same effect was not seen in men.

“Big data is now an important part of the work we do. While clinical trials have its merits, they are resource intensive and you may only work with a few hundred or perhaps thousands of patients. With the good quality data we have in Hong Kong, we can look at tens of thousands of patients and in a way mimic clinical trials. And we can do this more efficiently and look at multiple clinical outcomes concurrently,” she said.
急症藥物解決方案

藥理及藥劑學系副教授陳慧賢博士在澳洲墨爾本奧斯汀醫院急症部門任職藥劑師時，日常目睹及經歷各種緊急情境，促使她研究鎮靜藥物治理緊急行為，以及抗凝血藥物的使用。

陳博士經常看到送來急症室的病人激烈躁動，瀕臨自殘和傷害他人的邊緣，讓她萌生研究鎮靜藥物的想法。她說：「病人激烈躁動的原因，可能與精神健康問題有關，也可能是濫用藥物及/或酗酒所致，但目前文獻中沒有足夠數據讓我們知道哪些藥物比較安全而且起效較迅速。」

陳博士因此在澳洲和香港展開隨機臨床試驗，試圖找出起效快而且安全的最佳鎮靜藥物及給藥方法，最後她發現名為奧氮平（olanzapine）的藥物，無論是用作靜脈注射還是肌肉注射，都安全有效。陳博士在香港進行的研究，乃亞洲區首個對用於治療緊急行為情況的各種鎮靜藥物及抗精神病藥物，進行比較的臨床試驗。

陳博士在另外一項研究中發現，在香港以及全球常見的抗精神病處方藥物氟哌啶醇（haloperidol），和其他數種抗精神病藥物比較時，有較高死亡風險。該項研究建議，老年病人以及有心臟病或肺癌風險的病人，在使用該藥時需要特別監察，可能的話，更應轉用另外一種抗精神病藥物。

陳博士在這方面的研究，促使「澳洲治療指引」等相關機構改變臨床實踐的守則及建議，並有望指導和改善香港及海外的急症部門對激烈躁動病人的治理。

另一方面，陳博士對抗凝血藥物的研究，也是源於過往在急症室的工作。當時她目睹許多病人為了滅低中風風險，卻又在服用抗凝血藥物之後，因血凝問題到急症求診，其中腸胃道出血正是很多服用抗凝血藥物病人常常遇到的問題。於是她開始一項針對口服抗凝血藥物、以人口為基礎的隊列研究，發現同時服用腸胃道保護劑可以降低腸胃道出血的風險。這項研究同樣帶來了臨床實踐方面的新建議和改變。陳博士現時正在研究四種常用的新型口服抗凝血藥（達比加群dabigatran、阿哌沙班apixaban、利伐沙班rivaroxaban和艾多沙班edoxaban），希望對這些藥物的有效性和安全性有進一步發現。

從醫院管理局的數據庫裡，陳博士對接受過心房顫動治療的男女病人進行研究，發現新型口服抗凝血藥更有效、更安全，尤其是對女性而言。雖然華法林 (warfarin) 曾經是最常見的抗凝血藥物，但陳博士及她的團隊發現，與華法林比較，給女性處方新型藥物，即非維他命K拮抗劑類口服抗凝血藥，有助進一步減低腦部出血的風險，但未見同樣效果。

陳博士說：「大數據現時在我們的研究工作中非常重要，雖然臨床試驗有其優點，但是需要的資源也比較多，而且只能對數百個或是數千個病人進行試驗。如果可以利用香港已有的優質數據做研究，我們可以檢視成千上萬匿名病人的資料，可從一定程度上模仿臨床試驗。這樣我們進行的研究可以更有效率，也可以同時檢視多種臨床結果。」

如果可以利用香港已有的優質數據做研究，我們可以檢視成千上萬匿名病人的資料，在某程度上模仿臨床試驗。我們進行的研究可以更有效率，也可以同時檢視多種臨床結果。
Biography

Dr Esther Chan joined the Department of Pharmacology and Pharmacy, HKUMed in 2012 and became Associate Professor in 2017. She is research lead for the Centre for Safe Medication Practice and Research, HKU.

During residency training at Austin Hospital (Melbourne, Australia) Dr Chan focused on clinical practice and research in the Emergency Department. She's also trained in Infectious Diseases at Oxford Radcliffe NHS Trust (UK), and Trauma and Emergency Care at the University Medical Center (Tucson, Arizona, USA).

Dr Chan’s main research focus is to determine medicine safety and effectiveness, and expand drug application. Her areas of interest include the pharmacotherapy management of communicable and non-communicable disease areas including behavioural emergencies and mental health; cardiovascular and respiratory health, gastroenterology, infectious diseases and oncology. Her research methodologies utilise innovative Big Data and interventional randomised clinical study designs. Awards such as the Research Grants Council of Hong Kong (RGC) Early Career Scheme (2013) and The National Natural Science Fund of China (NSFC) - Young Scientist Fund (2018) are recognition of her achievements.

Honours and Awards

2019 British Medical Association Award – First Prize in Cardiology for The ESC Textbook of Cardiovascular Medicine (Third Edition) – Chapter 54.8, published by The European Society of Cardiology and Oxford University Press

2018 The National Natural Science Fund of China (NSFC) - Young Scientist Fund

2018 Outstanding Young Researcher Award, HKU

2018 Faculty Teaching Medal, HKUMed

2017 Best Original Paper Award, Hong Kong Medical Journal, Hong Kong Academy of Medicine

2016 - 2019 Faculty Outstanding Research Output Award, HKUMed, for four consecutive years (2016 as first-author, 2017 as corresponding author, 2018 and 2019 as co-author)

2013 Research Grants Council (RGC) Early Career Scheme
DNA Repair as a Pathway to Fighting Disease

Every day, we encounter agents that can damage our DNA, such as sunlight and tobacco smoke. Our cells have evolved mechanisms to fix that damage, but sometimes this system is overwhelmed, leading to developmental deficits, premature ageing and cancer. Professor Michael Huen Shing-yan of School of Biomedical Sciences has been uncovering the molecular mechanisms involved in DNA damage signalling and repair processes.

“My focus is on identifying the molecular determinants behind DNA repair so we can understand how cells protect our genetic material. This will improve our ability to diagnose and assess diseases that arise from DNA repair deficiencies,” he said. This work can also lead to the development of new anti-cancer therapies.

One recent achievement from the Huen Laboratory has been the discovery of the gene RNF169, which they showed encodes a DNA damage response protein that not only is important for error-free DNA repair but that its protein level must be tightly regulated for it to function properly. The latter was an important confirmation of observations that RNF169 is poorly regulated in human cancers. The findings highlight new targets for cancer drugs and new ideas on healthy living and longevity.

Professor Huen has recently shifted his interest to decipher the interplay of DNA repair with gene expression (also known as transcription). Gene expression must be temporarily inhibited during the repair process so as not to damage the chromosome and cause aberrations. The research team has performed genetic and chemical screens to seek out new factors involved in protecting genome integrity. For instance, they have begun applying arrayed CRISPR screens coupled with high-content microscopy analyses to find new DNA repair factors. These advanced methodologies will enable them to do high-throughput, systematic identification of host factors that are important in maintaining genome stability.

Professor Huen and his Mainland collaborators have also received research funds from National Natural Science Foundation of China (NSFC) and Research Grants Council of Hong Kong (RGC) Joint Research Scheme to generate and study the tumour-suppressive properties of new DNA repair genes in mice, using genetically engineered mouse models. This is expected to provide insights on tumour suppression and normal cell development.

“By identifying the basic components and unravelling the intimate connections of the DNA damage response [DDR] protein network, we hope to uncover novel and feasible means of detecting, treating and eradicating human diseases associated with DDR dysregulation,” he said.

Professor Huen’s contribution and recognition in the DNA repair field led to his election as co-chair of Gordon Research Conference on Genomic Instability, a series of prestigious international meetings on frontier research. He is also HKUMed’s Assistant Dean for Innovation and Technology.
我們每日都會遇到破壞自身DNA的媒介，例如陽光和煙草煙霧。其實細胞本身已具備一套修復損傷的機制，但是這套機制有時不堪重負，從而導致發育缺陷、提早衰老，甚至可致癌。生物醫學學院的禤承恩教授多年來致力研究，揭示DNA損傷訊號傳遞和修復過程中涉及的分子機制。

禤教授指出：『我們的研究重點在於識別DNA修復機制背後的關鍵分子元素，以了解細胞如何維護基因組的完整性，這有助我們對由於缺乏DNA修復能力所引起的疾病，作出更準確的診斷和評估。』這些研究亦將有助於發展嶄新的抗癌治療方法。

禤教授近期其中一項發現是成功複製RNF169基因。RNF169與DNA損傷反應蛋白有關，對於準確無誤地修復受損DNA方面至關重要；如果要RNF169運作正常，其蛋白水平必須受到嚴格調控。在實驗室的觀察裡，人體癌細胞中RNF169的蛋白水平，其調控能力確是比較差。有關發現引了癌症藥物的研究新目標，以及健康生活和延長壽命的新想法。

此外，禤教授和他的團隊正嘗試破解DNA修復機制與基因表達（又稱轉錄）的相互作用。在修復過程中，基因表達必須暫時受抑制，以免令染色體受損並引致異常。研究團隊正進行篩選，以找出與保護基因組完整性有關的新元素。他們透過結合矩陣基因編輯CRISPR篩選和高通量顯微鏡分析技術，找出新DNA修復因子。這些先進的技術將有助他們能夠高效及有系統性地識別出可以維持基因組穩定性的宿主元素。

禤教授和他的中國內地的合作伙伴，亦已取得國家自然科學基金委員會及香港研究資助局聯合科研基金的資助，利用經基因改造的小鼠模型研究新DNA修復基因的腫瘤抑制特性，提供有關抑制腫瘤和細胞正常生長的重要啟示。

禤教授表示：『透過鑑定DNA損傷反應蛋白的基本組成部分，以及揭示相關蛋白網絡的緊密聯繫，我們期望能發掘嶄新且可應用的檢測方法，治療甚至杜絕與DNA損傷反應失調有關的人類疾病。』

身兼港大醫學院助理院長（創新及科技）的禤教授在DNA修復方面的成績廣受肯定，同時亦讓他獲選擔任國際知名、以頂尖領先研究為研討主題的會議 Gordon Research Conference的聯席主席。
Biography 簡歷

Professor Michael Huen received his doctorate degree from HKUMed in 2006, and trained with Professor Junjie Chen as Postdoctoral Research Fellow at Mayo Clinic (Minnesota, USA) and later at Yale University (Connecticut, USA). He joined the former Department of Anatomy, HKUMed in 2009 and was promoted to Professor of School of Biomedical Sciences in 2019. Professor Huen is also currently Assistant Dean (Innovation and Technology) of HKUMed. Professor Huen's main research focus is on DNA damage detection and repair control. His research team employs multi-disciplinary approaches to identify key players and events that drive genome integrity protection. Aside from its direct implications in human health and disease, insight in the regulation of DNA repair also contributes to the operational framework of emerging methodologies in gene-editing and gene replacement therapies in the biotechnology industry.

禤承恩教授於2006年獲頒港大醫學院博士學位, 之後遠赴美國明尼蘇達州Mayo Clinic及在康涅狄格州的耶魯大學進行博士後研究。2009年他加入港大醫學院的解剖學系 (前稱), 並於2019年晉升為生物醫學學院教授。禤教授目前同時為港大醫學院助理院長（創新及科技）。

禤教授的主要研究重點是DNA損傷的檢測和修復機制, 其研究團隊採用跨學科的方法, 找出與保護基因組完整性有關的新元素。他的研究除了對人類健康和疾病有直接影響, 對於修復DNA機制的深入探討, 在建立生物科技領域中的基因編輯和基因替代療法等新興研究方法的運作框架, 尤其貢獻良多。

Honours and Awards 榮譽與獎項

2022 Co-Chair, Gordon Research Conference on Genomic Instability
Gordon Research Conference (基因組不穩定性) 聯席主席

2018 Co-Vice Chair (Elected), Gordon Research Conference on Genomic Instability
Gordon Research Conference (基因組不穩定性) 獲選擔任聯席副主席

2014 - 2015 Outstanding Young Researcher Award, HKU
香港大學傑出青年研究學者獎

2012 - 2013 Early Career Award, Research Grants Council, Hong Kong
大學教育資助委員會傑出青年學者計劃獎

2007 - 2009 Anna Fuller Fund Fellow, Yale University, Connecticut, USA
美國康州狄格州耶魯大學安娜·富勒基金會研究員
Obesity is associated with serious health problems, such as diabetes, cardiovascular diseases and some cancers. Work by Dr Hannah Hui Xiaoyan, Research Assistant Professor of the Department of Medicine, is helping to unlock the mechanisms involved and reveal new drug targets to reduce obesity.

Dr Hui’s work focuses on adipose tissue, an organ that was once believed to be an inert organ simply responsible for storing lipid in the body. But now we know that adipose tissue is a highly dynamic and heterogeneous organ. It is the largest endocrine organ in the body and plays a pivotal role in the body’s shift from a healthy state to an obese, unhealthy one. There are two types: white adipose tissue stores excess energy and is related to chronic inflammation, which is a bad guy in numerous diseases, while brown adipose tissue burns energy and help the body to clean up excess glucose and lipid. It is this latter type that is of most interest to Dr Hui.

Brown adipose tissue was not discovered in adult humans until about ten years ago – it was previously thought to be present only in certain types of animals and newborn babies. New imaging technologies made the discovery possible, but there is still much to discover about this organ.

“I am very interested in elucidating how this energy-burning, good adipose tissue is activated in our body. I wish my research could eventually lead to effective pharmacological ways to activate or generate it, since I strongly believe this could help people to lose weight and solve other related complications,” Dr Hui said.

In one project, she and her team found a connection between brown adipose tissue and the protein adiponectin. When mice were exposed to cold temperatures, the expression of adiponectin in their white adipose tissue increased and this in turn increased the amount of brown adipose tissue. When the mice were deficient in adiponectin, this did not happen. The scientists were also able to explain how the protein acted to increase browning by influencing the immune system, which in turn acted back on the adipose sites.

“It’s a kind of cross-talk between cells in the adipose tissue. This relates to a new concept, immunometabolism. We are among the first to provide evidence that immunity and metabolism are closely associated,” she said.

To carry that work forward, Dr Hui recently received funding from the Excellent Young Scientists Fund of the National Natural Science Foundation of China. She is looking at the protein UCP1, which enables brown adipose tissue to generate heat. Her previous research had led her to suspect there are other pathways besides UCP1 that are equally or more important in heat-generation and she now wants to uncover these.

Alongside that research, her team is exploring strategy for adipose-targeted delivery, which will maximise the anti-obese capacity of the drug to be delivered, without harming other organs. So far, the results look promising in mice and she hopes this can be applied to human tissue in near future.
Dr Hannah Hui Xiaoyan
棕色脂肪組織對人體有好處，
但是這個組織如何在人體內被激活，
我很願意嘗試回答。我希望通過我的研究，
能最終找到有效的方法促進棕色脂肪組織的激活或生成，
從而幫助人們減肥，並解決其他與肥胖相關的疾病。

脂肪剋星

肥胖與嚴重影響健康問題的疾病如糖尿病、心血管疾病和某些癌症等有關。內科學系助理教授（研究）惠曉艷博士的研究正正有助揭示相關機制，並指引找尋減肥新藥物的方向。

惠博士主要研究脂肪組織，一個以脂質形式儲存多餘能量的器官，同時也是人體最大內分泌器官。脂肪組織與人體從健康邁向肥胖這轉變有關，並可分為兩類：白色脂肪組織會儲存身體多餘能量，並與引發多種疾病的慢性炎症有關；而惠博士最感興趣的棕色脂肪組織，則會消耗能量。

棕色脂肪組織一向被認為只存在於特定動物和新生嬰兒體內。有賴於成像技術的發展，約十年前研究人員發現棕色脂肪組織也存在於成人體內。但關於棕色脂肪組織，仍有很多地方尚待了解。

惠博士說：「棕色脂肪組織對人體有好處，但是這個組織如何在人體內被激活，我很願意嘗試回答。我希望通過我的研究，最終能找到有效的方法促進棕色脂肪組織的激活或生成，從而幫助人們減肥，並解決其他與肥胖相關的疾病。」

惠博士和其團隊在一個研究項目中，發現了棕色脂肪組織與脂連素蛋白之間的聯繫。該研究發現當小鼠暴露於低溫時，其白色脂肪組織中的脂連素蛋白表達會增加，連帶也使棕色脂肪組織的數量增加；當小鼠缺乏脂連素蛋白時，棕色脂肪組織數量則不會改變。她的團隊也進一步闡釋脂肪細胞分泌的脂連素，可促進二型免疫細胞的激活，並反過來在脂肪細胞發揮作用，促進其棕色化重構。

惠博士說：「這表明脂肪組織中，不同細胞之間相互聯繫和產生作用，從而催生了一個全新的概念：免疫代謝。我們是最早提供證據，證明免疫力與代謝有密切關係的研究團隊之一。」

惠博士去年獲得了國家自然科學基金「優秀青年科學家基金」（港澳）的資助，讓她可以推進在棕色脂肪的研究。她的研究發現，除了經典的產熱蛋白之外，還存在其他實現棕色脂肪組織能量消耗的有效途徑。目前她的團隊正在尋找非經典產熱蛋白，研究結果將對棕色脂肪獲得新的認知並鎖定新的藥物靶點。

除了這項研究之外，惠博士和她的團隊正在找尋一個讓抗肥胖藥物在不損害其他器官的情況下，也能夠發揮最大抗肥胖作用的藥物傳送方法。目前在動物身上的實驗結果不俗，她希望能假以時日將方法改良後應用於人體。
Biography 簡歷

Dr Hannah Hui Xiaoyan obtained her Bachelor Degree in Biotechnology from Shanghai Jiaotong University and completed her PhD study in Shanghai Institute of Biological Sciences, Chinese Academy of Sciences (SIBS, CAS). She then received her postdoctoral training at Division of Endocrinology, Department of Medicine, HKUMed in 2011 and then further took the position as research assistant professor at HKUMed. Her major research interest lies in adipose tissue, from molecular basis of adipose tissue remodeling, its physiological relevance in the context of obesity and cardio-metabolic diseases, to pharmacological strategies to remodel adipose tissues. Her research work has been published in several top-ranked journals including Cell Metabolism, Proceedings of the National Academy of Sciences of the United States of America (PNAS), EMBO Reports and etc.

Honours and Awards 榮譽與獎項

2019  Excellent Young Scientists Fund (Hong Kong and Macau) of the National Natural Science Foundation of China

2016  Faculty Outstanding Research Output Award, HKUMed

港大醫學院最佳優秀研究著作獎
By integrating this data, we can study the genetic determinants for each genotype and track emerging pathways and transmission routes. When there is a new outbreak, for example of MERS, we will be able to compare new and published sequences to understand and predict its infectiveness and transmissibility.

Dr Tommy Lam Tsan-yuk
Tracking the Animal Origins of Emerging Viruses

The past two decades have seen outbreaks of emerging viruses that jumped from animals to infect humans, such as the H7N9 bird flu, SARS, swine flu (H1N1) and the Middle East Respiratory Syndrome (MERS). Work by Dr Tommy Lam Tsan-yuk, Assistant Professor of the School of Public Health, has enriched our understanding of these viruses.

Dr Lam focuses on the animal-human interface of emerging infectious diseases and uses a bioinformatics approach to trace the ecology, evolution and epidemiology of these new pathogens. He did his undergraduate and postgraduate studies at HKU, then went overseas for post-doctoral training before returning to HKU in 2013 – just in time for the H7N9 influenza outbreak, which had a high mortality rate.

Dr Lam worked with Professor Yi Guan’s research team to conduct a large-scale genetic analysis of the virus. His work showed that the virus jumped from aquatic birds to domestic ducks, and from there to chickens where they reassorted into viruses that could infect humans. Chickens in live poultry markets were shown to be the main source of human infections of H7N9.

“We elucidated the ecological pathway and also found the evolutionary pathway of how the virus changed in the process from infecting animals to infecting humans,” he said.

He made similar contributions in the case of the MERS virus, which was first reported in Saudi Arabia in 2012 and saw a large outbreak in Korea in 2015. Through intensive investigations in the Middle East, Dr Lam and his colleagues found that the virus had been circulating among dromedary camels in Saudi Arabia. Using genetic analysis, he also showed that the virus had evolved into five distinct lineages, one of which was the source of outbreaks in humans in Saudi Arabia and Korea.

Recently, Dr Lam was awarded a grant from the National Natural Science Foundation of China Excellent Young Scientists Fund (Hong Kong and Macau) for a project to build a database of the genome, phenotype and epidemiology of major emerging zoonotic viruses, including H7N9 and MERS viruses. This will be the first time that all the information of these viruses will be unified – currently it is published in different places – and it will enable scientists and public health officials to identify and respond quickly to new outbreaks and improve prevention and control.

“By integrating this data, we can study the genetic determinants for each genotype and track emerging pathways and transmission routes. When there is a new outbreak, for example of MERS, we will be able to compare new and published sequences to understand and predict its infectiveness and transmissibility,” he said. The results and methods will be widely available for the biggest impact. “Other laboratories that may not have much bioinformatics capacity will be able to make use of this toolbox without necessarily having to go through our labs,” he added.
通過整合數據，我們可以研究每種基因型的關鍵遺傳因素，並追蹤新發傳染途徑和傳播的路徑。每当出現新發傳染病例，例如中東呼吸綜合症的爆發時，我們可以比較新的研究結果與已發表的基因序列，從而了解和預測其傳染性和傳播性。

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Biography

Dr Tommy Lam Tsan-yuk received his BSc (Bioinformatics) and PhD (Molecular Virology) at HKU, and had postdoctoral training in Pennsylvania State University and University of Oxford. His main research interest is the evolution, epidemiology and ecology of infectious diseases. He uses integrative genomic approach to determine the patterns, drivers and mechanisms of the emergence of pathogens, especially those at human-animal interface including influenza viruses and coronaviruses, as well as some bacterial pathogens and their antibiotic resistance emergence. He is also leading the development of several computational methods and tools for the genomic analysis in the research community. Dr Lam is currently Assistant Professor of the School of Public Health.

林讚育博士在香港大學獲取生物訊息學理學士學位和分子病毒學博士學位後，遠赴美國賓夕法尼亞州立大學和英國牛津大學接受博士後培訓。他的主要研究範疇是傳染病的演化、流行病學和生態學。林博士利用綜合基因組學方法了解尤其是人畜傳染介面的新發病原體（如流感病毒和冠狀病毒）的演化模式和傳播機制，以及一些細菌性病原體及其對抗生素所出現的耐藥性。他亦領導研究團隊研發能用於基因組分析的計算方法和工具。林博士現時是公共衞生學院助理教授。

Honours and Awards

2019 Excellent Young Scientists Fund (Hong Kong and Macau) of the National Natural Science Foundation of China 國家自然科學基金「優秀青年科學家基金」(港澳)
2017 National Science and Technology Progress Award (Special Award) 國家科學技術進步獎 (特等獎)
2010 Newton International Fellowship from The Royal Society, UK 英國皇家學會牛頓國際研究獎學金
2008 Novartis Vaccines Award for Epidemiology of Infectious Diseases from International Society for Infectious Diseases 國際傳染病協會諾華疫苗獎 (傳染病流行病學)
2016-2019 Ranked top 1% scholars at HKU, measured by Essential Science Indicators 根據基本科學指標被列為首1%引用最多的香港大學學者
2016 & 2017 Faculty Outstanding Research Output Award, HKUMed 港大醫學院優秀研究著作獎
2014 Research Output Prize, HKU 香港大學最佳研究著作獎
Camouflaged Tumour Cells Under Attack

Our immune system should treat tumour cells as enemies, but these cells have learned to camouflage themselves to escape detection, known as “immune evasion”. Research by Dr Victor Lee Ho-fun, Clinical Associate Professor in the Department of Clinical Oncology and Assistant Dean (Assessment) in the Faculty, aims to identify and attack the camouflaged cells involved in nasopharyngeal cancer (NPC).

NPC is most prevalent in Hong Kong and southern China due to a combination of genetic factors, exposure to the Epstein Barr virus (EBV) and a traditional diet heavy in salted fish, which contains carcinogenic substances. Typically it is treated with radiation and chemotherapy, but about 30 per cent of patients will suffer a relapse that spreads, with minimal chance for a cure.

Dr Lee’s research aims firstly to improve understanding of NPC tumours. Sometimes very small tumours at the nasopharynx will spread to the lymph nodes, while in other cases there will be a large tumour that does not spread. He is one of the first to investigate this heterogeneity in tumours, using single-cell sequencing techniques that screen the characteristics of the hundreds of millions of cells present in tumours.

“We want to identify the mechanisms involved in the evolution of NPC. If we can determine that a tumour has a low likelihood of spreading to the neck, then we won’t need to radiate there or we radiate less. Or if we find it is more likely to spread, we can apply intensified radiation and other therapies,” he said.

Last year, his department led by Professor Anne Lee Wing-mui established a new biobank of tumorous and normal cells from the nasopharynx and from the lungs, another research area he is interested, to aid in these investigations.

Dr Lee is also studying alternative or modified forms of therapy for NPC because of the limitations of radiation. Other important organs, such as the brain stem, are located close to the nasopharynx, so radiation doses have to be dialled down to avoid damaging those areas. Dr Lee is working with Hong Kong Sanatorium & Hospital to study a new radiation technique, proton therapy, that provides more finely-targeted doses that can be delivered precisely to the tumour and spare the surrounding tissue and organs.

He has also been involved in a long-term study of immunotherapy for NPC led by Professor Dora Kwong Lai-wan in the Department of Clinical Oncology and the QIMR Berghofer Medical Research Institute in Australia. Blood is taken from patients and the T-cells are trained to target the EBV antigens. An eight-year Phase 1 trial showed the therapy was safe and could extend the survival rates of patients with terminal NPC. It also helped some patients who were at high risk of recurrence to remain disease-free. A larger Phase 2 trial is now underway.

“Tumour cells should be considered enemies. If we can stimulate a patient’s own immune system to find and attack them, they will be spared the side effects of other therapies,” he said.
Dr Victor Lee Ho-fun
進擊偽裝下的癌細胞

人體的免疫系統理應視腫瘤細胞為敵人，但是這些細胞卻很狡猾，會偽裝，逃避偵察。我們稱之為「免疫逃避」。臨床腫瘤學系臨床副教授及醫學院助理院長（考核）李浩勳醫生的研究，就是要找出及攻擊與鼻咽癌有關的偽裝癌細胞。

鼻咽癌在香港及華南地區發病率甚高，病因與遺傳因素、EB病毒 (Epstein-Barr virus)感染、喜吃鹹魚的傳統飲食習慣有關（鹹魚含有致癌物質）。一般來說，治療鼻咽癌會採用放射治療和化學治療，但是仍然約有30%的病人會復發及擴散，而他們的治癒機會並不高。

李醫生的研究目標首先是要加深了解鼻咽癌腫瘤。有時候在鼻咽的一些非常細小的腫瘤會擴散至淋巴結，但有時候一些大腫瘤卻沒有擴散。李醫生是其中一位最先研究腫瘤異質性的專家，使用單一細胞基因排序的技術，篩查腫瘤裡以億萬計細胞的特性。

他說：「我們希望找出與鼻咽癌演化有關的機制。如果我們能夠斷定某個腫瘤擴散到頸部的可能性很低，便無需要為病人做放射治療，或者降低劑量。相反，如果我們能夠斷定擴散的可能性是高的，我們便會增加放射治療的劑量，或者，考慮其他治療方法。」

去年臨床腫瘤學系在李詠梅教授的領導下，建立了一個從鼻咽和肺部取得的腫瘤細胞和正常細胞生物資料庫，來協助上述研究，而這也是李醫生一個深感興趣的項目。

李醫生同時也在研究治療鼻咽癌的替代或改良方法，因為放射治療始終有其限制。人體的一些重要器官如腦幹位置很靠近鼻咽，因此進行放射治療時，必須調低劑量，避免對這些部分造成傷害。李醫生現時與養和醫院合作，研究新的放射治療技術和質子治療技術，目的是更精準地把劑量送至腫瘤，而不會損害周圍的組織和器官。

此外，李醫生也參與一項關於鼻咽癌免疫治療的長期研究，該項目是由同屬臨床腫瘤學系的臨床教授鄺麗雲教授及澳洲昆士蘭霍普爾醫學研究院領導進行。研究人員會從病人身上抽取血液樣本，然後培育T細胞攻擊EB病毒的抗原。第一期試驗長達八年，結果顯示該項治療安全，也可以提高鼻咽癌末期病人存活率。對於某些復發風險高的病人，該項治療可以推遲癌症患者再復發的機會。第二期試驗規模更大，現正在進行中。

李醫生說：「癌腫瘤細胞本被視為敵人，但是如果我們能夠刺激病人自身的免疫系統去尋找和攻擊這些癌細胞，就可以免去其他治療所引起的多種副作用。」


Honours and Awards 榮譽與獎項

2019  Faculty Teaching Medal HKUMed 港大醫學院學院教學獎
2018  Outstanding Young Researcher Award, HKU 香港大學傑出青年研究學者
2014  Hong Kong College of Radiologists HKCR 15A Travelling Fellowship
香港放射科醫學院15A獎學金
2013  Distinguished Young Fellow of Hong Kong Academy of Medicine
香港醫學專科學院傑出青年院士
Dr Victor Lee Ho-fun is currently Clinical Associate Professor of the Department of Clinical Oncology, and Assistant Dean (Assessment), HKUMed. He graduated from HKUMed in 2002. He then received residency training in clinical oncology in Tuen Mun Hospital and then joined the Department of Clinical Oncology, HKUMed in 2008. He obtained his fellowship in Royal College of Radiologists in Clinical Oncology in 2010. Afterwards, he received further specialist training in Institut Gustave Roussy, Stanford University and Princess Margaret Cancer Centre in Toronto. He had obtained an MD in his alma mater in 2015 for his research on nasopharyngeal cancer.

His current interests include radiation dosimetric studies on head and neck and nasopharyngeal cancer, genetic and molecular studies on head and neck and lung cancer, stereotactic radiosurgery and stereotactic body radiation therapy, and selective internal radiation therapy for liver tumours.

李浩勳醫生為港大醫學院臨床腫瘤學系臨床副教授，他同時身兼醫學院的助理院長 (考核)。李醫生在2002年畢業於港大醫學院，隨後在屯門醫院接受臨床腫瘤駐院醫生實習培訓，並於2008年加入港大醫學院臨床腫瘤學系。2010年，他取得英國皇家放射科學醫學院臨床腫瘤科院士資格。其後他於法國的古斯塔夫•魯西研究所、美國史丹福大學和加拿大多倫多瑪嘉烈公主癌症中心接受進一步的專科培訓，並於2015年在港大醫學院以鼻咽癌研究取得醫學博士學位。

李醫生的研究範疇包括有：治療頭頸和鼻咽癌的放射治療劑量學；治療頭頸和肺癌的遺傳和分子學研究；立體定位放射手術及立體定位消融放射治療；以及治療肝癌的選擇性體內放射治療。
Clinical Experience Drives Discovery

Clinician-scientist Dr Walter Seto Wai-kay of the Department of Medicine draws inspiration from his patients to investigate and bring new insights in the areas of hepatitis B infection, ketamine drug use and liver cancer diagnoses.

Each of his paths of discovery was inspired by problems that presented in patients and that had either not been described in the literature or did not have a successful medical strategy.

His first breakthrough came more than ten years ago, when he treated a Mr Ng who passed away after the hepatitis B virus (HBV) he was carrying was reactivated after chemotherapy. About 560,000 people in Hong Kong are infected with HBV and, because infection typically does not show symptoms, around 25 per cent of cases end up developing cirrhosis and/or liver cancer unless they have regular check-ups or treatments.

Dr Seto began exploring reactivation and focused on two triggers: the drug rituximab, which is used to treat a wide variety of diseases from haematological and rheumatological disorders to skin disorders and kidney diseases, and bone marrow transplantation.

In the first case, he found that rituximab reactivated HBV in 40 per cent of occult carriers within two years after they received the drug. Reactivation can lead to liver failure and even death if not properly controlled. The study on bone marrow transplantation, funded by the Health and Medical Research Fund, similarly showed a high risk of reactivation.

“These results showed that even if HBV is not active, these patients need preventative therapy,” he said — an approach that has now become standard around the world.

His work on ketamine was inspired by a patient who used ketamine recreationally and had narrowed bile ducts on endoscopy. This is a highly unusual finding among Asian patients and Dr Seto’s report on the case was published in a high-ranking Gastroenterology journal. Afterwards, he did a full study, funded by the Beat Drugs Fund, involving collaborators at North District Hospital, radiologists at HKUMed, and three non-government organisations, whose social workers brought 257 users to him for magnetic resonance scans and follow-ups. He was able to determine that nearly 62 per cent (159) suffered bile duct damage but, just as importantly, those who quit ketamine saw a majority of their bile ducts return to normal.

His third research area is on improving liver diagnosis using artificial intelligence (AI). Liver cancer patients often require repeated scans to confirm their diagnosis, which means treatment is delayed. Dr Seto had a patient in his 30s whose repeated scans showed shadows deemed non-cancerous, but Dr Seto spotted one suspicious nodule. An additional scan confirmed the patient had liver cancer. “Rather than depending on the human eye, I want to help physicians deal with these priority cases more effectively,” he said.

Funded by the Innovation and Technology Fund, he and his colleagues from HKUMed and the HKU Faculty of Science have so far collected an image base of more than 3,000 CT scans that are being run through an AI machine learning process to improve diagnosis. The project is obtaining images from many Hong Kong hospitals and HKU-Shenzhen Hospital, of which Dr Seto is currently holding the position of Assistant Hospital Chief Executive (Research).
內科學系臨床副教授司徒偉基醫生，也是科研學者。在診治病人的時候，他受到啟發，開始研究乙型肝炎、氯胺酮（俗稱K仔）的使用和肝癌診斷，開拓科研新方向。

司徒醫生每一項研究，都是源自病人出現過的問題。他說：「結果顯示，儘管乙型肝炎病毒不活躍，病人仍然需要作預防性治療。」而這個治療方向已經成為了全世界的標準治療方案。

司徒醫生在氯胺酮（俗稱K仔）的研究，始於一位以消遣性質使用K仔的病人。而從內窺鏡檢查，司徒醫生發現她的膽管收窄。這個是在亞洲人群中很不尋常的發現。司徒醫生於是在一個研究項目裡，他發現隱性乙型肝炎帶菌者從開始使用氯胺酮之後，有五成的病人在兩年內會重新激活。如果未能妥善控制，重新激活會引致肝臟衰竭，甚至是死亡。而由醫療衛生基金資助的骨髓移植研究，同様地顯示乙型肝炎病毒有重新激活的高危機會。

在一個研究項目裡，他發現隱性乙型肝炎帶菌者從開始使用氯胺酮之後，有五成的病人在兩年內會重新激活。如果未能妥善控制，重新激活會引致肝臟衰竭，甚至是死亡。而由醫療衛生基金資助的骨髓移植研究，同様地顯示乙型肝炎病毒有重新激活的高危機會。

司徒醫生於是在研究上取得突破，出現在十多年前。當時由他主治的病人吳先生在接受化療之後，卻激起了其乙型肝炎病毒。在香港，約有560,000人是乙型肝炎帶菌者；受到乙型肝炎病毒感染的人士，通常不會出現症狀，假如沒有定期做身體檢查或是接受治療，其中大約有25%病例會最終發展為肝硬化，以及/或是肝癌。

司徒醫生於是開始探索病毒重新激活的機制，並集中兩個範疇進行研究：利妥昔單抗藥物（rituximab）和骨髓移植。利妥昔單抗是廣泛用於治療血液系統失調和風濕性疾病、以至皮膚病和腎病等的藥物。

在首個研究項目裡，他發現隱性乙型肝炎帶菌者從開始使用利妥昔單抗藥物之後，有四成半的病人在兩年內會重新激活。如果未能妥善控制，重新激活會引致肝臟衰竭，甚至是死亡。而由醫療衛生基金資助的骨髓移植研究，同様地顯示乙型肝炎病毒有重新激活的高危機會。

司徒醫生的第三項研究，主要是使用人工智能改善肝病診斷。肝癌病人經常需要接受多次掃描以確定診斷，也就是說，治療會延後開始。司徒醫生有一位三十多歲的病人，多次掃描的影像均顯示有非癌症陰影，但是他留意到一個可疑的結核，於是安排病人再次接受掃描，並且在最後確定是肝癌。他說：「與其依賴肉眼，我希望能夠幫助醫生為需要最先治療的病人作出更有效的診斷。」

司徒醫生與他在港大醫學院及理學院的團隊，在創新及科技基金資助下，至今收集了超過3,000個從人工智慧儀器學習過程中取得的電腦掃描，建立了醫學影像庫，從而改善病症診斷。這個項目從多所香港醫院和港大深圳醫院取得醫學影像。現時司徒醫生也是港大深圳醫院的助理院長（科研事務）。

隱性乙型肝炎帶菌者從開始使用利妥昔單抗藥物之後，有40%病人的病毒在兩年內會重新激活。如果未能妥善控制，重新激活的乙型肝炎病毒會引致肝臟衰竭，甚至是死亡。結果顯示，儘管乙型肝炎病毒不活躍，病人仍然需要預防性治療。這個治療方向已經成為了全世界的標準治療方案。

Biography

Dr Walter Seto Wai-kay graduated from HKUMed in 2003 and received his Fellowship in Gastroenterology and Hepatology in 2010 from the Hong Kong College of Physicians. He received his Doctor of Medicine from HKU in 2012. He is currently a Clinical Associate Professor in HKUMed. He is also Assistant Hospital Chief Executive (Research); Medical Director, Clinical Trials Center of HKU-Shenzhen Hospital.

He has published more than 170 international journal articles and book chapters, including first-authored articles in *The Lancet*, *Journal of Clinical Oncology*, *Gut*, *Journal of Hepatology* and *Hepatology*, the majority of which is related to research on chronic liver diseases. He has been awarded external grand funding from the Innovation and Technology Fund, the Research Grant Council and the Health and Medical Research Fund. He has over 80 invited international and local lectures.

司徒偉基醫生2003年畢業於港大醫學院, 2010年獲香港內科醫學院腸胃肝臟科院士資格, 2012年獲香港大學頒授醫學博士學位; 現在是港大醫學院內科學系臨床副教授, 同時也是港大深圳醫院的助理院長（科研事務）及臨床試驗中心主任。

司徒醫生發表逾170篇論文及書籍章節，其中包括在國際期刊《刺針》、《Journal of Clinical Oncology》、《Gut》、《Journal of Hepatology》和《Hepatology》等以第一作者身份發表與慢性肝病研究相關的文章。他也取得創新及科技基金、研究資助局及醫療衞生研究基金的高額資助；亦曾獲邀出席超過80場國際和本地講座。

Honours and Awards

2019  Sir David Todd Lecture, Hong Kong College of Physicians
獲邀擔任香港內科專科學院達安輝教授講座講者

2018  Asia-Pacific Digestive Week Emerging Leader from the APDW Federation
亞太消化病周聯盟「亞太消化病周」明日領袖

2018  Faculty Knowledge Exchange Award, HKUMed
港大醫學院知識交流獎

2017  Guangdong Province Outstanding Young Medical Talent Award
廣東省衛生健康委員會傑出青年醫學人才獎

2016 - 2017  Outstanding Young Research Award, HKU
香港大學傑出青年研究學者

2013  Distinguished Young Fellow from the Hong Kong Academy of Medicine
香港醫學專科學院傑出青年院士
**Leading the Way**

Several of HKUMed’s young scholars have already attracted considerable interest from within the medical community and beyond for their innovative work.

**科研先鋒**

數位年輕學者憑著他們的創新科研成就，在香港及海外醫學領域，獲得高度關注及認可。

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**Pulling Out the Weeds**

Cancer stem cells (CSCs) are like weeds: cutting off the heads will not be enough to kill them, the roots must also be pulled out. **Dr Stephanie Ma Kwai-ye**, Associate Professor of the School of Biomedical Sciences, has been at the forefront in addressing this problem and her success has made her one of top one per cent most-cited scholars in her field from 2010 to 2018, as measured by Essential Science Indicators.

Dr Ma’s research interest focuses on identifying novel stemness vulnerabilities in cancer, using the Asian prevalent tumour type, hepatocellular (liver) carcinoma, as a model system. Her work demonstrated the existence of a subpopulation of cells within the liver tumour called CSCs that is associated with the unfavorable outcome of the disease through contributing to tumour recurrence and therapy resistance. And indeed, this special subpopulation of cells is now known to represent an important root of cancer. She and her team subsequently discovered a protein that plays a critical role in therapy resistance and developed an antibody to target the protein in mouse models and patient samples, which was able to reduce the ability of liver cancer cells to initiate tumour growth and self-renew. The antibody has been patented and licensed.

Dr Ma believes that targeting cancer stem cells is a new venture for precision medicine in oncology. The current goals of her team are to establish new molecular signatures and markers for predicting occurrence, recurrence and drug resistance, to improve patient stratification and identify actionable targets directed at cancer stemness for precision medicine.
Cancer stem cells (CSCs) are like weeds, to kill them, their roots must be pulled out. Dr Ma’s research interest focuses on identifying novel stemness vulnerabilities in cancer, using the Asian prevalent tumour type, hepatocellular (liver) carcinoma, as a model system.
Dr Stephanie Ma Kwai-yee is a tenured Associate Professor of the School of Biomedical Sciences, HKUMed and Principal Investigator of the State Key Laboratory of Liver Research, HKU. She obtained both her Bachelor of Science (Cell Biology and Genetics) and Master of Science (Pathology and Laboratory Medicine) at The University of British Columbia (Canada). Then she returned to her home country and completed her PhD study and received postdoctoral training at HKU.

Dr Ma’s research interest focuses on identifying novel stemness vulnerabilities in cancer, using Asian prevalent tumour types like hepatocellular carcinoma as model systems. Her research team is interested in understanding how a stemness microenvironment in cancer contributes to drug resistance and tumour recurrence.

Dr Ma is also a founding member of The Hong Kong Young Academy of Sciences and currently chairs their outreach committee to help promote STEM education in Hong Kong. She is also a member of the Future Forum Young Scientist Innovation Alliance in China.

馬桂宜博士是港大醫學院生物醫學學院副教授，也是港大肝癌研究國家重點實驗室的首席研究員。馬博士在加拿大英屬哥倫比亞大學取得細胞生物學及遺傳學學士學位，以及病理學及實驗室醫學碩士學位之後，於香港大學完成博士學位及接受博士後培訓。

馬博士的研究範疇主要是利用亞洲常見的癌症類型如肝癌作為模型系統，尋找癌幹細胞裡容易受攻擊的新弱點。她的研究證實在肝癌腫瘤裡找到被稱為癌幹細胞的亞族群細胞，具有治療耐藥性，也與病情復發有關，令治癒效果不樂觀。這些特別的亞族群細胞，是現時已知誘發癌症的重要根源。馬博士和她的團隊又發現一種在癌症治療中，對抗藥性過程有關鍵作用的蛋白質，團隊從而在小鼠模型和病人樣本中，以這個蛋白質為標靶研發抗體。希望減低肝癌細胞誘發腫瘤生長和自我分裂的能力。這個抗體已經註冊及取得專利。

馬博士相信以癌幹細胞為標靶，是腫瘤精準醫學的治療新嘗試。她與團隊現時的目標是在預測病發、復發和抗藥性方面建立新的分子標記，以改善病人的分類，以及在精準醫學治療中，針對癌幹細胞作出辨識及尋找可以採用的標靶。
Honours and Awards 榮譽與獎項

2018   Ton Duc Thang University Scientific Prize – Rising Star Award, Vietnam 越南孫德盛大學科學獎 – 新星獎

2017-2018   University of British Columbia (UBC) Alumni Builder Award 英屬哥倫比亞大學傑出校友獎

2014   Higher Education Institution of China – Scientific Research Outstanding Achievement Awards (Second-class Award in Science and Technology Section) 中國高等學校科學研究優秀成果獎 (科學技術二等獎)

2014   Croucher Innovation Award, The Croucher Foundation 裘槎基金會裘槎前瞻科研大獎

2013   Outstanding Young Researcher Award, HKU 香港大學傑出青年研究學者

2008   Hong Kong Young Scientist Award (Life Sciences), Hong Kong Institution of Science 香港科學會香港青年科學家獎 (生命科學)

2006-2007   Li Ka Shing Prize (for the best PhD thesis in the Faculties of Dentistry, Engineering, Medicine and Science), Graduate School, HKU 香港大學研究學院李嘉誠獎 (最佳博士論文)
A Gentler Solution for Elderly Fractured Bones

Elderly patients are susceptible to falls that can result in fractures to the hip, shoulder and spine, especially if they have osteoporosis. The conventional treatment has been to fuse the bones together with rigid metal implants, but these tend to break through elderly bone after surgery, resulting in failure rates as high as 25 per cent. New technology developed by Dr Sloan Kulper – CEO of the LKS Faculty of Medicine spinoff company Lifespans Ltd – and his colleagues from the Department of Orthopaedics & Traumatology offers a gentler, more effective way to treat elderly bones.

They have developed the world’s first soft, elastic implant tip technology, a discovery that happened quite by accident. During a test on elderly bone tissue, a piece of biocompatible rubber fell into the hole they were drilling and showed very good results.

“From that accident, we began to look at how ‘soft implants’ could cushion the softer bone tissue of patients with osteoporosis,” Dr Kulper said.

The implant they developed uses a biocompatible polymeric material to create a cushion between the rigid implant and bone. It was found to stay in place better than conventional implants – in pre-clinical testing, “migration” of the implant was 25 per cent lower than rigid implants.

The team has also optimised the design of the orthopaedic screw thread so it better matches the biomechanical properties of bone, based on the PhD thesis work of Dr Feng Xiaoreng at HKUMed.

Dr Kulper, who received his PhD (Biomedical Engineering) from HKUMed, co-founded the start-up Lifespans Ltd in 2018 with HKU colleagues. A hip implant based on their soft tip technology is undergoing the final stages of US FDA 510(k) testing. Lifespans has also worked with the Faculty of Engineering to develop the world’s first realistic simulation system for bone tissue.
This is the world’s first soft, elastic implant tip technology. In pre-clinical testing, the “migration” of the implant was 25 per cent lower than rigid implants.
Biography 簡歷

Dr Sloan Kulper, CEO of Lifespans Ltd, received a Bachelor of Science from the Massachusetts Institute of Technology (MIT), an MFA (industrial design) from the Rhode Island School of Design, and a PhD (biomedical engineering) from the Department of Orthopaedics and Traumatology, HKUMed. He is an American engineer with deep ties to the Silicon Valley startup community. A serial entrepreneur and inventor with multiple international patents, he has built successful startups in four countries and raised millions of US dollars in grants and seed funding across multiple ventures.

Lifespans Ltd行政總裁古思融博士是美國麻省理工學院理學博士、羅德島設計學院藝術(工業設計)碩士和港大醫學院生物醫學工程博士。他以美國工程師的身份, 與矽谷創業圈有很深厚的連繫。古思融博士創始多家企業, 也在多項發明上取得國際專利; 他在不同行業的種子基金和其他機構籌集數百萬美元的資金, 成功在四個國家開設初創公司。

Honours and Awards 榮譽與獎項

2019 Outstanding Doctoral Dissertation, HKU
香港大學傑出研究論文獎

2019 AO Trauma Asia Pacific Scientific Congress, Taipei – Best poster award (co-author) - Novel Technology Reduces Migration of Screws in Surrogate Osteoporotic Bone Under Multiaxial Loads
AO創傷亞太區學術會議 (台北) – 最佳海報設計獎 (共同作者)

2018 Outstanding Research Postgraduate Student, HKU
香港大學傑出研究生獎

Honours and awards received in the capacity as CEO of Lifespans Ltd

以香港大學初創公司Lifespans Ltd行政總裁職銜, 獲得以下獎項:

2019, 2018, 2017 Technology Startup Support Scheme for Universities @HKU
大學科技初創企業資助計劃@香港大學

2019 Johnson & Johnson JLABS@Shanghai Incubation Program
強生創新中國上海JLABS（醫療健康初創企業孵化平台）

2019 Imagine IF! Competition Hong Kong Finals Grand Prize
Imagine IF! 醫療保健界別香港區決賽冠軍

2018 Hello Tomorrow Competition Southeast Asia Regional Grand Prize
Hello Tomorrow深科技創業國際賽地區賽第一名

2018 International Exhibition of Inventions of Geneva Silver Medal
日內瓦國際發明展覽銀獎
Cancer cells need nutrients and we are trying to identify the metabolic requirements and underlying molecular pathways of liver cancer, which we hope will lead to targets for therapy.
Liver Cancer and The Dark Side of Antioxidants

Antioxidants have been popularly embraced as a way to combat the free radicals that can harm human cells. But research by Dr Carmen Wong Chak-lui, Assistant Professor in the Department of Pathology, has shown they have the opposite effect in liver cancer cells: they can help these cells to survive and grow. The finding was a key discovery in her research on the metabolism and microenvironment of liver cancer.

Dr Wong and her team showed that while oxidative stress can kill liver cancer cells, these cells have developed a way to survive this attack by producing antioxidants through the pentose phosphate pathway, folate cycle, malate metabolism, and serine synthesis pathway. As more antioxidants are produced, the cancer cells can grow. The finding applies not only to liver cancer but other cancers that have the same metabolic pathway, such as colorectal and lung cancers.

But the team also identified a possible way to counter this effect by targeting enzymes such as transketolase, methylenetetrahydrofolate dehydrogenase, malate enzyme, and phosphoglycerate dehydrogenase to create metabolic vulnerabilities in the cancer cells that enhance their sensitivity to existing drug treatment. Overall, the findings suggest that dietary antioxidant supplements should be used with caution.

Dr Wong currently is involved in a genome-wide screening study to investigate the mechanisms that allow liver cancer to survive therapies and metabolic stress, and the role of liver cancer metabolites on different immune cells.

“Cancer cells need nutrients and we are trying to identify the metabolic requirements and underlying molecular pathways of liver cancer, which we hope will lead to targets for therapy,” she said.

肝癌與抗氧化劑不為人知的一面

現時普遍認為, 自由基對人體細胞有害, 而抗氧化劑則經常被視為可以有效對抗自由基; 但是根據病理學系助理教授黃澤蕾博士的發現, 抗氧化物在肝癌細胞裡, 並不能發生預期的作用, 更甚的是抗氧化劑有助癌細胞存活及繁殖。這是她致力於研究肝癌細胞新陳代謝及其微環境的重要成果。

黃博士及她的研究團隊發現, 雖然氧化逆境可以殺死肝癌細胞, 但是這些癌細胞卻反而能夠通過磷酸戊糖途徑、葉酸循環、蘋果酸新陳代謝, 以及絲氨酸合成途徑製造抗氧化物, 逃過攻擊而存活下來。當癌細胞製造更多抗氧化物時, 本身便可以持續生長。這項研究成果不單在肝癌細胞的研究上能夠成立, 也同時可以應用在其他有相同代謝途徑的癌症上, 例如結直腸癌和肺癌。

不過, 研究團隊同時亦找出一個方法抗衡上述情況, 針對轉酮醇酶、亞甲四氫葉酸脫氫酶、蘋果酸縮合酶、磷酸甘油脫氫酶等酵素, 並在癌細胞裡製造代謝性的漏洞, 讓癌細胞更易遭受攻擊, 從而加強藥物對癌細胞治療的有效性。總括而言, 是項研究成果建議使用口服抗氧化補充品的時候，宜小心謹慎。

黃博士現正進行一項全基因組學篩查研究，希望找出容許肝癌細胞在治療期間和代謝逆境中依然存活的機制, 以及在不同免疫細胞中的肝癌代謝物的作用。

黃博士說: 「癌細胞需要養分, 而我們正在找出肝癌細胞在新陳代謝上的需求和潛在的分子途徑, 最終是希望找到標靶治療的方向。」
Dr Carmen Wong Chak-lui graduated from The University of British Columbia (Canada) with a degree of Bachelor of Science in Microbiology and Immunology. She further completed her studies of Master of Science in Biotechnology at HKUST and Doctoral degree in Cancer Biology at HKU, where she developed strong interests and passion in cancer research. In 2009, Dr Wong was awarded the Croucher Foundation Fellowship to receive her post-doctoral training under the Nobel laureate Professor Gregg Semenza at The Johns Hopkins University (USA).

Dr Wong is currently Assistant Professor of the Department of Pathology, HKUMed and Principal Investigator of the State Key Laboratory of Liver Research, HKU. Her main research interest focuses on tumour microenvironment formation, cancer metabolism and roles of hypoxia in cancer development. In 2017, Dr. Wong received the Croucher Innovation Award and HKU Outstanding Young Researcher Award.

Dr Wong is also an elected member of The Hong Kong Young Academy of Sciences.

Honours and Awards

2019 Junior Investigator Award, International Liver Cancer Association
2018 Faculty Outstanding Research Output Award, HKUMed
2017 Outstanding Young Researcher Award, HKU
2017 Croucher Innovation Award, Croucher Foundation
2017 University of British Columbia (UBC) Alumni Builder Award
2014 Award of Young Researcher Career Development Scheme (YRDCS), The State Key Laboratory of Liver Research, HKU
2009-2011 Croucher Foundation Fellowship (for overseas postdoctoral fellow training), Croucher Foundation
2009 Hong Kong Young Scientist Award (Life Science), Hong Kong Institution of Science
2008-2009 Li Ka Shing Prize (for the best PhD thesis in the Faculties of Dentistry, Engineering, Medicine and Science), Graduate School, HKU
2008-2009 Dr KP Stephen Chang Gold Medal (for the best PhD thesis in Faculty of Medicine), HKUMed
Congratulations to Professor Rosie Young Tse-tse on receiving HKU Honorary University Fellowship

Professor Rosie Young Tse-tse (楊紫芝), Emeritus Professor, was conferred an Honorary University Fellowship by HKU, in recognition of her contributions to the University and to the community on September 18, 2019.

Professor Rosie Young Tse-tse (MBBS 1953; MD 1959; HonDSc 1995) is a world-renowned medical educationist and researcher, and one of the foremost authorities on endocrinology globally. She joined the Department of Medicine in 1954, and was appointed Professor of Medicine in 1974. In 1983, she became Dean of the Faculty of Medicine, the first woman to hold the position. From 1985 to 1993, she served as Pro-Vice-Chancellor and Senior Pro-Vice-Chancellor of the University.

One of the world’s leading authorities in endocrinology, Professor Young has published over 100 papers in international peer review scientific journals, in endocrinology, diabetes, and carbohydrate metabolism. She had made immense contributions to research in diabetes mellitus, carbohydrate metabolism in liver disease, thyrotoxicosis and thyrotoxic periodic paralysis.

Professor Young has served as chairperson of many advisory bodies, such as the Medical Council of Hong Kong, the Working Party on Primary Health Care, and the Education Commission, and as a member of the Working Party on Postgraduate Medical Education and Training, the Council of the Hong Kong College of Physicians and the Hospital Authority.

Professor Young was appointed a Justice of the Peace in 1971, and awarded an OBE in 1987, CBE in 1996, GBS in 2002 and GBM in 2018.

楊紫芝榮休教授於2019年9月18日獲香港大學頒授名譽大學院士銜, 以表揚她對大學及社會的貢獻。楊教授是世界知名醫學教育家及研究學者, 也是國際內分泌學權威。她於1983年獲任命為醫學院院長, 是第一位擔任該職位的女性, 並於1985至1993年間, 先後擔任港大副校長及高級副校長。楊教授亦熱心社會事務, 曾在多個政府委員會中擔任主席, 包括香港醫務委員會、基層健康服務工作小組及教育統籌委員會, 亦是醫療研究教育及培訓工作小組、香港內科醫學院院務委員會及醫院管理局的成員。
Professor Gabriel Leung conferred Honorary Fellow of Hong Kong College of Family Physicians for 2019

Professor Gabriel Leung (梁卓偉), Dean of Medicine, Helen and Francis Zimmern Professor in Population Health, and Chair Professor of Public Health Medicine was conferred an Honorary Fellowship of the Hong Kong College of Family Physicians for 2019 on June 9, 2019, in recognition of his distinguished services to the College and to the advancement of general / family practice.

梁卓偉教授 (醫學院院長、施玉榮伉儷基金教授(民眾健康)、公共衞生醫學講座教授) 於2019年6月9日獲香港家庭醫學學院頒授2019年度榮譽院士銜，以表揚他推動香港家庭醫學的發展及成就。

Professor Wallace Lau Chak-sing awarded Honorary Fellowship of Royal College of Physicians of Ireland

Professor Wallace Lau Chak-sing (劉澤星), Head of the Department of Medicine, Daniel C K Yu Professor in Rheumatology and Clinical Immunology, and Chair Professor of Rheumatology and Clinical Immunology was awarded an Honorary Fellowship of Royal College of Physicians of Ireland (RCPI) at the Fellowship Admission Ceremony held on June 21, 2019, in recognition of his contributions to equip doctors and other healthcare professionals with the skills and knowledge they need for care for patients and to run safe and efficient healthcare systems.

劉澤星教授 (內科學系系主任、於崇光基金教授(風濕及臨床免疫學)、風濕及臨床免疫學講座教授) 於2019年6月21日獲愛爾蘭皇家內科學院頒授榮譽院士銜。
**Dr Donald Li Kwok-tung is recipient of World Outstanding Chinese Doctor Award**

Dr Donald Li Kwok-tung (李國棟) (MBBS 1980), Honorary University Fellow of HKU (2015) and Honorary Professor of The Department of Family Medicine and Primary Care, was one of the recipients of The World Outstanding Chinese Doctor Award Fok Ying-Tung Prize at the World Association of Chinese Doctors Annual Conference held on September 21, 2019 in Qingdao, Mainland China, in recognition of his remarkable achievements, not only for his dedication as a respected specialist in Family Medicine, but also for his immense and diverse contributions to public health and social well-being of the Chinese community and beyond.

**Professor Xu Aimin wins Gold Medal at the 47th International Exhibition of Inventions of Geneva**

Professor Xu Aimin (徐愛民), Director of State Key Laboratory of Pharmaceutical Biotechnology and Chair of Metabolic Medicine of the Department of Medicine and his research team were awarded the Gold Medal at the 47th International Exhibition of Inventions of Geneva (IEIG2019) in April 2019. Professor Xu and his team have developed a novel method for risk predication and accurate diagnosis of autoimmune diabetes by measuring enzymatic activities and protein concentrations of neutrophil elastase (NE) and proteinase 3 (PR3) in human plasma.

**Congratulations to Professor Paul Tam Kwong-hang to be awarded the EUPSA Rebhein Medal 2020**

Professor Paul Tam Kwong-hang (譚廣亨), Li Shu-Pui Professor in Surgery, Director of Dr Li Dak-Sum Research Centre, HKU-Karolinska Institutet Collaboration in Regenerative Medicine, and Chair of Paediatric Surgery, Department of Surgery will be presented EUPSA (European Paediatric Surgeon’s Association) Rebhein Medal for the year 2020, in recognition of his contribution to the research of developmental biology, paediatric surgery, immunology and genomics. Professor Tam is the first scholar in Asia to receive the EUPSA Rebhein Medal.
Professor Yuen Kwok-yung awarded Fellowship of American Academy of Microbiology 2019 and other Honours

Professor Yuen Kwok-yung (袁國勇), Henry Fok Professor in Infectious Diseases and Chair Professor of Infectious Diseases of the Department of Microbiology was appointed fellow of the American Academy of Microbiology and fellow of the Chinese Academy of Medical Sciences in 2019. He was also conferred Degree of Doctor honoris causa, Macau University of Science and Technology 2019.

袁國勇教授 (霍英東基金教授 (傳染病學)、微生物學系講座教授)於2019年獲頒美國微生物學院院士銜、中國醫學科學院學部委員, 以及澳門科技大學榮譽博士學位。

Professor Jin Dong-yan awarded Fellowship of American Academy of Microbiology 2020

Professor Jin Dong-yan (金冬雁), Clara and Lawrence Fok Professor in Precision Medicine, School of Biomedical Sciences, HKUMed and Associate Dean (Internationalisation and Partnership), Graduate School, HKU, was elected fellow of the American Academy of Microbiology on February 19, 2020.

金冬雁教授 (港大研究學院副院長 (國際與合作)、醫學院霍廣文伉儷基金教授 (精準治療)、生物醫學學院教授)於2020年2月獲頒美國微生物學院院士銜。

2019 Government Honours

Congratulations to the following alumni and faculty members who received the 2019 Government Honours:

Gold Bauhinia Star (GBS, 金紫荊星章)
Professor John Leong Chi-yan (梁智仁), SBS, JP (MBBS 1965)
Emeritus Professor and Honorary Professor of the Department of Orthopaedics and Traumatology, HKUMed, former Chairman of the Hospital Authority

Silver Bauhinia Star (SBS, 銅紫荊星章)
Dr the Honourable Lam Ching-choi (林正財), SBS, BBS, JP (MBBS 1985)

Bronze Bauhinia (BBS, 銀紫荊星章)
Dr Regina Ching Cheuk-uen(程卓端), BBS, JP (MBBS 1984)
Dr Susan Fan Yun-sun(范瑩孫), BBS, JP (MBBS 1984)

Justice of Peace (JP, 太平紳士)
Dr Cecilia Fan Yuen-man (范婉雯), JP (MBBS 1991)

Medal of Honour (MH, 榮譽勳章)
Dr Liu Shao-haei (劉少懷), MH (MBBS 1982)

(As of February 2020)
The Faculty is highly proactive in reaching out to our counterparts in universities and government bodies across the nation and the world. We participate in high-level regional and global forums on the latest trends in medicine, health and education; share information and expertise with our counterparts from other institutions; explore new collaborations; and host visits by students and staff from Mainland China. These engagements benefit scholars, teachers and students of HKUMed by providing new opportunities and horizons, and ultimately will benefit patients by enriching our knowledge and expertise.

醫學院積極與中國內地及國際知名大學和政府機構建立聯繫，參加區域和全球性高 端論壇，研討醫學、健康衛生和教育的議題，與其他大學的相關院系分享專業知識，探索新的 合作機遇，以及接待來訪的中國內地學生和教職員。這些活動和合作關係，為醫學院的學者 和師生帶來新機遇和新視野，讓知識得以增長，技術更臻完美，為大眾健康帶來福祉。
At the 10th Asian Medical Education Association (AMEA) Symposium, Professor Gabriel Leung, Dean of Medicine, discussed the major forces driving future medical curricular changes and highlighting HKUMed's 130 Curriculum, with particular emphasis on the Enrichment Year. Professor Wallace Lau Chak-sing, Head of Department of Medicine, also addressed the symposium as the Chairperson of AMEA.

博鰲亞洲論壇

Professor Gabriel Leung, Dean of Medicine, had an engaging discussion on the role of public health and primary care in addressing the needs of an ageing population at the Boao Forum for Asia Annual Conference 2019.

中國科學技術大學

Professor Gabriel Leung, Dean of Medicine, is honored to join the International Scientific Advisory Board of the University of Science and Technology of China (USTC). The group of leading medical leaders discussed ways to strengthen research and learning at USTC's School of Life Sciences and Medicine.

第10屆亞洲醫學教育協會論壇

At the 10th Asian Medical Education Association (AMEA) Symposium, Professor Gabriel Leung, Dean of Medicine, discussed the major forces driving future medical curricular changes and highlighting HKUMed's 130 Curriculum, with particular emphasis on the Enrichment Year. Professor Wallace Lau Chak-sing, Head of Department of Medicine, also addressed the symposium as the Chairperson of AMEA.
Zhongshan School of Medicine,
Sun Yat-sen University
中山大學中山醫學院
Professor Song Erwei, Dean of Zhongshan School of Medicine, Sun Yat-sen University led a delegation to HKUMed and discussed prospects for cooperation in medical education and the advancement of biomedical industry in the Greater Bay Area with the Dean of Medicine, Professor Gabriel Leung.

廣州市中山大學中山醫學院院長宋爾衞教授率領代表團到訪港大醫學院。雙方深入探討醫學教育領域合作的可能以及推動大灣區生物醫藥產業建設等事宜。

Institute of Biomedicine and Biotechnology,
Shenzhen Institutes of Advanced Technology,
Chinese Academy of Sciences
中國科學院深圳先進技術研究院醫藥所
A team from the Institute of Biomedicine and Biotechnology, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences visited HKUMed to present the latest development of the Institute and the Shenzhen-Hong Kong Biomedical Innovation Research Institute. The team also visited the State Key Laboratory of Pharmaceutical Biotechnology.

中國科學院深圳先進技術研究院醫藥所代表團訪問港大醫學院, 介紹醫藥所及深港生物醫藥創新研究院建設的最新情況, 並參觀港大生物醫藥技術國家重點實驗室。

Shanghai Medical College of Fudan University
復旦大學上海醫學院
Professor Gui Yonghao, Vice President of Fudan University and Dean of Shanghai Medical College led a delegation to visit HKUMed and presented updated status of the College and its affiliated hospitals. Both parties had an in-depth discussion on the prospects of collaboration on the curriculum of public health programme.

復旦大學常務副校長及復旦大學上海醫學院院長桂永浩教授率領代表團到訪港大醫學院, 介紹復旦大學上海醫學院及其附屬醫院的相關情況, 雙方還就公共衛生課程等方面的合作進行深入討論。

T20 Summit 2019 20國集團智庫峰會
Professor Gabriel Leung, Dean of Medicine, is a member of the working group convened at T20 Japan, ahead of the G20 Leaders’ Summit in June, to discuss the necessary actions to implement Universal Health Care.

醫學院院長梁卓偉教授參加「20國集團峰會」之前舉行的「20國集團智庫峰會」，商討實踐「全民健康」時必須採取的措施。
Global Health Forum of Boao Forum for Asia
博鰲亞洲論壇全球健康論壇
Professor Gabriel Leung, Dean of Medicine, joined the discussion on Health in All Policies-Planetary Health at the first Global Health Forum of Boao Forum for Asia. Representatives of national health departments of various countries, health-related international agencies and non-government organisations, industry representatives, as well as entrepreneurs, investors and renowned scientists participated. The delegation also visited the Centre for PanorOmics and the State Key Laboratory of Brain and Cognitive Sciences at HKUMed.

Health Forum for Women, Boao Forum for Asia
博鰲亞洲論壇女性健康論壇
Professor Vivian Lin Kwang-wen, Executive Associate Dean, joined the Health Forum for Women, Boao Forum for Asia to discuss the obstacles women in leadership face, measures to overcome them and the importance of raising awareness.

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Space

First Fruits

HKUMed’s redevelopment is well underway to modernise our teaching, learning and research facilities with new spaces and finishes, and give us extra room to grow. The first areas completed are the lobby space and the new Learning Commons at 21 Sassoon Road. These vibrant, open spaces are designed to encourage staff, students and visitors to interact and be inspired.

Lobby

A bright, airy space that embodies the ordinary and extraordinary welcomes students, staff and visitors into HKUMed’s flagship public space, the lobby at 21 Sassoon Road.

The lobby, formally dedicated as the Cheung Chin Lan Hong Atrium, captures light in playful and symbolic ways and creates space for people to come together and interact. The Atrium leads to the Cheung Kung Hai Conference Centre, forming a seamless continuum of public space that also honours one of HKUMed’s staunchest supporting families.

The design concepts are based on creating harmony with the environment and among users of the space. The sun streams in through large windows and falls on white-painted surfaces that appear light or in shadow, solid or transparent, depending on the time of day and the season. The white colour helps to closely associate the space with medicine.

A wooden stepped platform in the lobby encourages people to slow down for a moment, take a breather and interact with each other.

Ordinary materials such as plywood and aluminum panels were deliberately selected because of their strong symbolic message. Their creative application in the lobby of a world leading medical faculty demonstrates the rich possibilities of the everyday and, in an academic context, suggests that all students have the means to succeed.

The Atrium was recently selected by an international jury panel as one of the winners at the World Architecture Community Awards 33rd Cycle (Interior Design Section), and has been selected to participate in the Biennale Architettura in Venice, from August 29 to November 29, 2020.
沙宣道21號大堂

醫學院具標誌性的公共空間 - 沙宣道21號大堂 - 已換上了新貌, 以明亮輕快的氛圍, 向師生員工和訪客呈現一個尋常中又帶著不平凡的空間。

大堂根據捐助善長的意願, 以鍾秦蘭鳳夫人的名字正式命名為蘭庭。設計師利用日光的移動, 為偌大的空間帶來光影變化的無窮趣味和象徵意義, 令人樂意停留和互動交流。從蘭亭往大樓的後方走, 是鍾江海會議中心, 這兩個空間無縫連接著, 標示著鍾氏家族長期支持醫學院一脈相承的善心。

蘭庭的設計概念是希望在使用者之間、以及使用者與環境之間營造和諧的氣氛。陽光透過落地大玻璃灑落在白色地面和牆身上, 隨著季節更迭和日光轉移, 明暗交錯、虛實流動; 而周遭的白色主調, 更會令人不期然聯想起這空間與醫學的關係。

蘭庭的後段, 有數段寬闊的階梯, 大家走到這裡, 會很自然地放慢急速的步伐, 或稍作歇息, 或放鬆閒聊。

設計師刻意使用平常的材料如木夾板和鋁片, 來傳達深層的象徵意義。在這所排名世界前列的醫學院的大堂裡, 所選用的平凡建材, 是以極富創意的方式表達出日常生活中充滿各種的可能性, 而這寓意放在學術環境中, 也就意味著學生們都有無盡的可能性成就自己的將來。

蘭亭最近更獲選為第33屆世界建築社群網大獎 (室內設計) 的其中一個得獎項目, 同時又獲選參加於2020年8月29日至11月29日舉行的2020威尼斯建築雙年展。
Learning Commons

The 7,000-square-foot Learning Commons was imagined by its architects as a colourful “learning playground” for future healthcare professionals and scientists.

Recognising that learning today extends far beyond the classroom and library, they have created flexible, welcoming spaces adapted to all forms of engagement, whether it is students working alone or in pairs or teams or teachers engaging with groups of students.

The large open space is divided into five distinct geometric zones that foster both planned and unexpected exchanges, as well as solitary reflection. The design is inspired by the fluidity of organic forms in microscopic photography and has lots of curved features that provide spaces for different purposes while remaining cohesive.

A 40-seat table has varying curved geometry that accommodates individual study, one-on-one interactions, and group work under the light of seven white globes. A long curving, double-sided sofa in deep blue provides comfortable and flexible seating. Dotted around the space are islands of intimate enclosures, while a continuous glass ribbon of warm light wraps around the archipelago. There are also 900 dimmable white globes placed across the ceiling that vary over the course of the day as the sun sets.

The Learning Commons also features meeting rooms and a three-stepped wooden mount that leads to an elevated panoramic view of the space and can be used for small presentations and talks. There is also a transparent lecture theatre (Mrs Chen Yang Foo Oi Telemedicine Centre) at the base of a gently sloping green carpet that can accommodate more than 60 seats.
研習坊

這個七千平方呎的研習坊，是設計師為未來的醫護專才和科研人員創造的一個趣味學習的空間。

現今學習形式不拘，地點也不限於課室和圖書館，因此設計師營造舒適而又變化多端的空間，學生既可以這裡自修，也可以進行小組討論，或是老師授課。

研習坊偌大的空間以五個幾何圖形分區，鼓勵學生進行各適其適的學習活動和交流，其設計靈感源於顯微鏡下有機體的流動形態，設計師以多個弧形設計特徵表達，為學生提供了多種不同却又互為一體的學習和互動空間。

一組設有40個座位的不規則弧型長桌，以七個白色球狀燈火映襯，學生可以在這裡自修，也可以進行小組討論和交流。研習坊的中段位置，擺放著幾組靛藍色弧型長沙發，學生可在沙發兩邊舒適隨意地安坐歇息。而散落在空間四周的小圓桌猶如一個個小島嶼，由天花上一條如絲帶般的燈河，以綿綿柔光把這些小島嶼圍攏起來。天花上還有900個白色小燈泡，隨戶外光線自動調節，為室內提供足夠照明。

研習坊內有數個會議室，還有一個可以俯視整個空間的流線型三層木階梯，可作簡報和小型講座用途。其他會議設施還包括陳楊福娥夫人遙距醫學視像會議中心，內裡設有60多個座位，鋪以深綠色如草坪般的地毯，以玻璃幕牆透視，內裡情況可一目了然。

(All photos © Atelier Nuno Architects)
21 Sassoon Road

Waterfront 1

by Dr Alan Mui Chung-wo
(MBBS 1972)
HKUMed 202nd Congregation – Conferment of Degrees in Absentia

The HKU Ordinance prescribes that degrees may only be conferred in a formal Congregation, therefore obliging the University to hold such a ceremony despite last year’s social unrest necessitating the cancellation of the normal proceedings.

Instead, the Dean, Professor Gabriel Leung (梁卓偉), presented all 1,195 graduands to Professor Ian Holliday (何立仁), HKU Vice-President and Pro-Vice-Chancellor (Teaching and Learning), as Presiding Officer, in a simple, brief but dignified ceremony on November 30, 2019. Members of the Class of 2019 are now proud HKUMed alumni.

White Coat Ceremony 2019

A total of 275 future medical practitioners from MBBS Class of 2025 put on their white coat for the first time and read the physician’s pledge at the White Coat Ceremony, which was held on their first day of school on September 2, 2019. Dean of Medicine, Professor Gabriel Leung (梁卓偉) encouraged the students to have critical thinking and to always uphold professionalism with a caring heart no matter the circumstances.
MBBS Enrichment Year Gala Day & Homecoming Lunch

The first cohort of MBBS III students undertaking an Enrichment Year (EY) in the academic year 2018-19 have happily returned home. The inaugural Gala Day and Homecoming Lunch was held on June 14, 2019 to celebrate the students’ achievements and successes during their Enrichment Year. Through poster presentations they shared their insightful Enrichment Year experiences with their fellow students, EY Supervisors, connect*ed mentors, etc.

The Homecoming Lunch, hosted by the Dean, was a finale to conclude the Enrichment Year of academic year 2018-19. Secondary school principals, careers masters, service learning partners were also invited to participate. Guests were deeply impressed by students’ sharing and the Faculty was so glad to see that many of the students have been enlightened, enriched and empowered by their experiences!

WHO Consultation Symposium for Mitigating the Risk and Impact of Epidemic and Pandemic Influenza


With the aim of developing an evidence based guidance document to support the global efforts in pandemic preparedness, the Consultation Symposium gathered over 60 international stakeholders to conduct a systematic review on the most up-to-date scientific evidence for the WHO Handbook for Guideline Development and to reach consensus on recommendations. The consultation addressed the feasibility, cost and ethical considerations relevant to developing the guidance document, and attempted to identify any remaining gaps for future research and development.
HKUMed and Chinese Center for Disease Control and Prevention Collaborate to Nurture Public Health Talents and Strengthen Scientific Research Collaboration

In response to the Chinese government’s initiative to groom global public health leaders and to develop a public health cooperation network among the Belt and Road countries, HKUMed and the Chinese Center for Disease Control and Prevention (China CDC) announced a visionary collaboration to jointly nurture public health professionals and foster closer scientific exchange on disease control and prevention and global health.

A Memorandum of Understanding Signing Ceremony was held at HKU on June 14, 2019, with Professor Gabriel Leung (梁卓偉), Dean of Medicine, and Professor George F Gao (高福), Director-General of China CDC, as signatories.

Above and beyond the aspiration of nurturing public health leaders and research elites for China and the Belt and Road countries, both parties have also agreed to further strengthen scientific, technical and academic exchange and cooperation where areas of infectious diseases, non-communicable diseases, environment and health and public health policy would be covered.

First Meeting of Lancet Infectious Diseases Commission on Pandemic Preparedness

The first meeting of the Lancet Infectious Diseases Commission on Pandemic Preparedness was held on July 11 and 12, 2019, at Patrick Manson Building (North Wing). The Commission is chaired by Professor Vernon Lee of the Ministry of Health, Singapore, and co-chaired by Professor David Heymann, London School of Hygiene & Tropical Medicine, Chatham House, Professor Annelies Wilder-Smith, London School of Hygiene & Tropical Medicine, and Dr Ximena Aguilera, University of Desarrollo, Chile.

During the meeting, members of the Commission explored current preparedness platforms, strengthen collaborations and synergies, and identified new areas for exploration. They had also addressed key issues and made recommendations for countries to strengthen pandemic preparedness. The Commission is targeted to create a community of practice among members and interested parties to share new ideas and monitor the outcomes across time, and develop measurable outcome metrics to evaluate the effectiveness of initiatives on preparedness.

The Commission is supported by Mok Hing Yiu Charitable Foundation, and an Appreciation Dinner was held on July 11 to thank the kindness and generosity of the donor.
Pathology 100th Anniversary & 7th Hong Kong Pathology Forum

To celebrate the Centenary of the founding of the School of Pathology, the Pathology 100th Anniversary and the 7th Hong Kong Pathology Forum were held in January 2019, at the Queen Mary Hospital and Hong Kong Convention and Exhibition Centre, respectively. The anniversary event focused on current research developments in pathology, whereas, on the second day, the forum placed a spotlight on pathology developments within gynaecology, genetics and genomics, as well as soft tissue and bone pathology.

Professor Xiang Zhang (張翔), President and Vice-Chancellor of The University of Hong Kong, delivered the opening address on the first day. Dr Constance Chan Hon-yee (陳漢儀), Director of Health, delivered the opening address on the second day, where Professor Joseph Rabban of the University of California San Francisco (USA) and Dr David Adams of the National Institute of Health (USA), both giants in their fields, gave the Hou Pao-Chang Medical Memorial Fund Lecture and the James Gibson Lecture, respectively.

Around 200 delegates, comprising pathologists, physicians and allied health professionals attended the Forum.

The University of Hong Kong-Pathology Forum 2019 (Shenzhen)

The University of Hong Kong - Pathology Forum 2019 (Shenzhen) was successfully held at The University of Hong Kong-Shenzhen Hospital (HKU-SZH). As a continuation of the 7th Hong Kong Pathology Forum, Professor Joseph Rabban of the University of California San Francisco (USA) and Dr David Adams of the National Institutes of Health (USA) were invited to deliver lectures on genetics and genomics and gynaecological pathology. In addition, Professor Annie Cheung Nga-yin (張雅賢), HKUMed, Dr Richard W C Wong (黃穎卓), Pamela Youde Nethersole Eastern Hospital and Dr Yan Kin-wing (殷堅榮), HKU-SZH gave lectures on various aspects of obstetrical and gynaecological pathology. More than 100 participants from different parts of China attended the conference and had dynamic interaction with overseas and local experts.
HKU-Pasteur Immunology Course Celebrated 10th Anniversary

With the aim of providing high quality, intensive training to select students from around the world and promoting inter-institutional collaborations in the immunology field, HKU-Pasteur Research Pole has been offering the HKU-Pasteur Immunology Course for over a decade already. A special symposium was held on December 14, 2018, to mark the milestone 10th anniversary of the course and to celebrate the impact the course has had.

A group of local and international scientists from the United States, Canada, France, the United Kingdom, Singapore and Cambodia attended the two-week course held on HKU medical campus. The year’s course focused on Quantitative Immunology, highlighting topics including modern immunological approaches for deciphering cellular subsets, responses to infection, and virus replication to the microbiome.

On the last day of the course, alumni from all over the world reunited at the symposium, where they updated each other of their scientific discoveries in a poster presentation and rendered career advice to participants of the current cohort. The symposium was graced by the presence of Professor Leung Suet-yi (梁雪兒), then Associate Dean (Research) of HKUMed; and Mr Leo Kung (孔令成), Chairman of Pasteur Foundation Asia, and with a video welcome address from Mr Alexandre Giorgini (官明遠), Consul General of France in Hong Kong and Macau.

Unveiling Ceremony of Shenzhen’s Sanming Project of Medicine

On March 1, 2019, the unveiling ceremony of Shenzhen’s Sanming Project of Medicine was held at HKU-Shenzhen Hospital (HKU-SZH). In partnership with a medical team led by Professor Michael Dixon of the University of Edinburgh, the Hospital aims to build a first-class breast cancer diagnosis and treatment centre in Shenzhen. This is the sixth medical team introduced by the Hospital under Shenzhen’s Sanming Project of Medicine following five other teams in the fields of respiratory medicine, orthopaedics, clinical tumours, reproductive medicine, hepatobiliary and pancreatic surgery.

Moreover, in early 2019, HKU-SZH was awarded the “Humanistic Brand Construction Hospital of the Year” and “Most Beautiful Hospital” (Top 10), respectively, by the Chinese Association for Life Care.

Nurturing Experts to Support Youngsters and Women to Stop Smoking

HKU was awarded the Gold Award of “Hong Kong Smoke-free Leading Company Awards 2019” in January 2020, organised by Hong Kong Council on Smoking and Health (COSH) together with Occupational Safety and Health Council and Radio 1 of Radio Television Hong Kong. As a key player in the quit smoking activities and campaigns, the School of Nursing, HKUMed has contributed and initiated various smoke cessation research studies and established two hotlines: the Youth Quitline and Women Quitline, targeting youngsters aged 25 or below and women smokers, respectively. Since 2005, more than 450 secondary and university students have been successfully trained as smoking cessation peer counsellors for the Youth Quitline, while Women Quitline was set up to provide telephone counselling service specifically for women smokers in 2006.
The International Oncology Symposium on Advances in Immuno-Oncology, Radiation Oncology and Clinical Trials / the 3rd Sanming Project Conference / the 1st Shenzhen Workshop on Clinical Trial Design

The International Oncology Symposium on Advances in Immuno-Oncology, Radiation Oncology and Clinical Trials / the 3rd Sanming Project Conference / the 1st Shenzhen Workshop on Clinical Trial Design were held on June 14-15, 2019 at HKU-Shenzhen Hospital. This Symposium was organised by the Sino-American Network in Radiation Oncology (SANTRO), Clinical Oncology Centre of HKU-Shenzhen Hospital, Department of Clinical Oncology of HKUMed, Hong Kong College of Radiologists, Shenzhen Medical Doctor Association, Shenzhen Medical Association, and Radiation Oncology Centre, Princess Margaret Cancer Centre, Toronto, Canada.

With the theme of “Advances in Immuno-Oncology and Innovative Clinical Trials”, the Symposium encompassed a diversity of programmes ranging from training for clinical trial design and clinical research talents to immuno-oncology of multiple disciplines and specialties and data analysis. The event attracted 376 participants from around the world.

Roundtable Series with Movers and Shakers in Global Health

Building on the exceptionally positive response to the Roundtable Series with Movers and Shakers in Global Health, the School of Public Health continued the series by continuing to host interactive dialogues with public health luminaries from around the world.

On January 16, 2019, a panel discussion with Professor Barry Bloom, Joan and Julius Jacobson Research Professor of Public Health and Dean Emeritus of Harvard T.H. Chan School of Public Health was held. Attended by students of the HKUMed Master of Public Health programme and secondary school students aspiring to become future global health and development leaders, all of whom received useful career guidance and insight from Professor Bloom.

Following this, on March 20, 2019, the School hosted another roundtable discussion. This time the featured guest was Professor Judith Mackay, Director of the Asian Consultancy on Tobacco Control, Senior Advisor of Vital Strategies, Bloomberg Initiative, and Senior Policy Advisor to World Health Organization.

Maximizing Human Potential in Urban Areas

Professor Gabriel Leung (梁卓偉), Dean of Medicine gave a speech on the topic of Maximizing Human Potential in Urban Centres at the Beyond Global Cities Dialogue Series, organised by Hong Kong Life Sciences Society (HKLSS) on January 9, 2020. The talk and the Dean’s dialogue with Professor Sandro Galea, Dean of School of Public Health, Boston University, were timely and inspiring.
Memorandum of Understanding (MoU) Signing Ceremony between HKU School of Nursing and two Thailand-based Universities

The School of Nursing, HKUMed entered into Memorandums of Understanding (MoU) with two Thai institutions: Mahidol University and Chulalongkorn University. The MoUs are intended to encourage exchanges among the three schools as well as increase mutual cooperation in education and research endeavours. The Signing Ceremonies were held at Mahidol University and Chulalongkorn University, Bangkok in March 2019. Signatories for the Mahidol University MoU were Associate Professor Dr Yajai Sithimongkol, Dean of Faculty of Nursing, Mahidol University and Professor Chia-Chin Lin (林佳靜), Alice Ho Miu Ling Nethersole Charity Foundation Professor in Nursing and Head of School of Nursing, HKUMed. While the Chulalongkorn University MoU signatories were Professor Waraporn Chaiyawat, Dean of Faculty of Nursing, Chulalongkorn University and Professor Lin.

All three institutions were excited at the prospect of future exchanges and collaborative efforts.

Unveiling Ceremony of HK-SZ Medical Specialists Training Center

To celebrate the 22nd anniversary of HKSAR’s return to China and the 7th anniversary of the Hospital, HKU-Shenzhen Hospital held a flag raising ceremony and unveiling of “HK-SZ Medical Specialists Training Center” on July 2, 2019.

In January 2018, the Shenzhen Municipal Health Commission, Hong Kong Academy of Medicine, HKU Faculty of Medicine and HKU-Shenzhen Hospital signed a joint agreement on “Shenzhen-Hong Kong Medical Specialists Training Project”. The project aims to bring Hong Kong’s leading medical specialist training system into Shenzhen and Mainland China in order to jointly build up a platform for raising the skill levels of medical talent in the Guangdong-Hong Kong-Macao Greater Bay Area.
The School of Public Health announced the selection result of the inaugural NAM-HKU Fellowship in Global Health Leadership on February 20, 2019, a scheme generously supported by Dr Patrick Poon Sun-cheong (潘燊昌), HKU Council member and Convocation Chairman. The aim of the scheme is to train world class global health leaders who will bridge science and policy to put forth informed solutions to some of the most critical health challenges facing the world today and in the future.

Among nearly 100 applications received from 31 economies across six continents, Dr Chinmoy Sarkar, Assistant Professor from HKU Faculty of Architecture, is named the inaugural NAM-HKU Fellow in Global Health Leadership.

Born and raised in India and educated in his home country and the United Kingdom, Dr Sarkar is the concept lead, developer and PI of the UK Biobank Urban Morphometric Platform, a project involving spatial modelling and development of the world’s largest health-specific built environmental data platform, which focuses on the links between built environments and health. During his fellowship training, Dr Sarkar will make visits to Washington, D.C. for three months each year over two consecutive years to learn about the work of NAM (the US National Academy of Medicine); participate in academic attachment at HKU School of Public Health; and receive a scholarship to undertake the Master of Public Health programme at HKU.

16th Hong Kong International Orthopaedic Forum

The 16th Hong Kong International Orthopaedic Forum was successfully held on April 13-14, 2019. The main theme was “Repair Replace and Recovery”. The Department of Orthopaedics and Traumatology was honoured to have Professor Jin Woo Lee from South Korea, a world renowned foot and ankle surgeon; Professor Bryan Springer from the United States and Professor Takaumi Hiranaka from Japan, masters of joint replacement surgery; and Professor Gregory Dumanian from the United States, a world expert in targeted muscle reinnervation for myoelectric limb prostheses, joining the forum and sharing their knowledge. The forum was replete with informative symposia, riveting discussion and debate sessions, all of which were well received by more than 500 participants.

APSS-HKU Basic Spine Course

On the May 25, 2019, an APSS-HKU Basic Spine Course was held by the Department of Orthopaedics and Traumatology, HKUMed in conjunction with Asia Pacific Spine Society and the Spine Chapter of the Hong Kong Orthopaedic Association. The focus of the course was to teach young surgeons basic skills in spinal surgery. Dr Reuben Soh from Singapore and Dr Shinji Takahashi from Japan were invited to the course. The course rundown included nine lectures covering material such as lumbar discectomy and laminectomy, lumbar fusion methods, lumbar and thoracic pedicle screw insertion, cervical anterior discectomy and fusion, lateral mass screw insertion, laminoplasty and C1/2 fixation techniques. It also included four interactive case discussions and two sawbone workshops to reinforce the knowledge learned from the lectures.
The University of Hong Kong-University of Macau Joint Symposium on Biomedical Sciences

The School of Biomedical Sciences, HKUMed and Faculty of Health Sciences, University of Macau held “The University of Hong Kong-University of Macau Joint Symposium on Biomedical Sciences” on April 12, 2019, with over 120 participants. The event provided an excellent platform for researchers to exchange their research ideas and enhance research collaborations between the two universities. Talks were delivered by six HKU and five University of Macau academic staff members, including Professor Garry Wong (黃植富), Dr Guokai Chen (陳國凱), Dr Terence Poon (潘全威), Dr Yunlu Dai (代雲路) and Dr Sup Shim Joong (沈仲燮).

Croucher Advanced Study Institute-Frontiers in Aging and Longevity

A total of 50 local and international scientists were selected to join the Croucher Advanced Study Institute - Frontiers in Aging and Longevity, a three-day teaching activity funded by the Croucher Foundation on May 26-28, 2019. Lectures were delivered by five world-renowned scholars: Professor Juan Carlos Izpisua Belmonte, Salk Institute for Biological Studies, USA; Professor Vera Gorbunova, University of Rochester, USA; Professor John Sedivy, Brown University, USA; Professor Seung Jae Lee, Korea Advanced Institute of Science and Technology, South Korea; and Professor Guanghui Liu (劉光慧), Chinese Academy of Sciences, Mainland China. Various topics related to aging and longevity were covered.

School of Public Health Supportive of The Hong Kong Jockey Club Community Day

With their common goal of cultivating a healthy and harmonious society in Hong Kong, the School of Public Health engages in a longstanding and fruitful partnership with the Hong Kong Jockey Club (HKJC). On May 18, 2019, Professor Gabriel Leung (梁卓偉), Dean of Medicine, and academic members of the School including Professor Lam Tai-king (林大慶), Sir Robert Kotewall Professor in Public Health and Chair Professor of Community Medicine; Dr Michael Ni Yuxuan (倪宇軒), Clinical Assistant Professor; Dr Quan Jianchao (全劍超), Clinical Assistant Professor; and Dr Ryan Au Yeung Shiu-lun (歐陽兆倫), Assistant Professor, attended The Hong Kong Jockey Club Community Day to show their support for HKJC’s commitment and continued contributions to the local community.
Pinning Ceremony 2019

In what was truly a memorable day for the Class of 2019, the Pinning Ceremony marked a significant milestone for the School of Nursing’s final year students. At the ceremony the students received a pin from one of the Pinning Guests on stage and recited the Nightingale Pledge surrounded by a sea of candle lights. The ceremony represents the spirit of Florence Nightingale lending inspiration to the final year students as they embark on their journey as professional nurses.

At the ceremony on March 20, 2019, the School was honoured to have Professor Sophia Chan Siu-chee (陳肇始), Secretary for Food and Health; Professor Gilberto Leung Ka-kit (梁嘉傑), Associate Dean (Teaching & Learning), HKUMed; and Professor Chia-Chin Lin (林佳靜), Head of the School of Nursing, HKUMed, as officiating guests. They delivered speeches to the final year students emphasising commitment to the community as professional nurses and encouraging them to overcome challenges that lie ahead in their professional lives.
Congratulations to the Class of 2019!

HKU-Pasteur Research Pole to be a Partner in the Respiratory Diseases Research Centre Project in the Greater Bay Area

HKU-Pasteur Research Pole has joined a cooperation agreement with the State Key Laboratory of Respiratory Disease of Guangzhou Medical University and the State Key Laboratory of Quality Research in Traditional Medicine of Macao University of Science and Technology to set up a Respiratory Diseases Research Centre. The Centre will aim to provide a platform for the prevention and control of respiratory diseases in the Greater Bay Area and to strengthen exchange and cooperation within the discipline.

The agreement was signed on the occasion of the 2nd Guangdong-Hong Kong-Macao Greater Bay Area Health Cooperation Conference, which was co-organised by the Health Commission of Guangdong Province, the Food and Health Bureau of HKSAR Government, and the Health Bureau of Macao SAR Government, in Shenzhen on February 25, 2019.
The Annual Dr Li Shu Fan Oration gives insight into
the Betterment of the Community

First held in 2012 and endowed by Li
Shu Fan Medical Foundation, the annual Dr Li
Shu Fan Oration features orators of prominence
with significant contribution and insight into
the betterment of the community, was held on
May 4, 2019. The honourable orator of the year
was Professor Sophia Chan Siu-chee (陳肇始),
Secretary for Food and Health who gave a speech
on the topic of “Vision to lead · Mission to serve,
for a better tomorrow”. The Dean, Professor
Gabriel Leung (梁卓偉) joined Emeritus
Professor Raymond Liang Hin-suen (梁憲孫),
Dr Tsao Yen-chow (曹延洲), Professor Laurence
Hou Lee-tsun (侯勵存), Emeritus Professor
Rosie Young Tse-tse (楊紫芝), Mr Wilson Mok
(莫裕生), Dr Walton Li Wai-tat (李維達) and
Professor Ava Kwong (鄭慧慧) in the event to
give support to our hospital teaching partner.

24th Hong Kong Medical Forum

The 24th Hong Kong Medical Forum was held
on May 18-19, 2019 at the Hong Kong Convention and
Exhibition Centre with a record 2,500 registrations.
The Organising Committee of the Forum was chaired
by Professor Ivan Hung Fan-ngai (孔繁毅). This year
Professor Rosie Young Tse-tse (楊紫芝), Emeritus
Professor of Medicine, HKUMed was invited to deliver
the opening remarks. The event featured two plenary
lectures, namely the David Todd Distinguished Lecture
given by Professor Christina Wang (汪重輪) and the
Richard Yu Lecture given by Professor Tse Hung-fat
(謝鴻發). Overseas experts brought in to share their
work and wisdom included Professor Javed Butler of The
University of Mississippi, USA; Professor Chen Li-sheng
(陳立昇) of Taipei Medical University, Taiwan; Dr Goh
Su-yen (吳淑雅) of National University of Singapore,
Singapore; Professor Huang Xiao-jun (黃曉軍) of Peking
University, Mainland China; Dr Rina Hui (許漪雯) of
University of Sydney, Australia; Professor Peter Kerr of
Monash University, Australia; Dr Kim Papp of Probioty
Medical Research Inc., Canada; Dr Sun Mu-chien
(孫穆乾) of Changhua Christian Hospital, Taiwan; and
Dr Joseph Tucker of London School of Hygiene and
Tropical Medicine, UK and University of North Carolina
School of Medicine, USA. These speakers coupled with
the many excellent local speakers enabled the forum’s
scientific programme to cover a comprehensive
range of topics across various disciplines in
medicine, with something for every attendee to get
excited about.
HKU/QMH Completed NMPA Re-Inspection and Received Clinical Trials Accreditation in a total of 14 Clinical Specialties/Areas

The National Medical Products Administration (NMPA, previously called China Food and Drug Administration) visited Queen Mary Hospital on April 29, 2019 for re-inspection of 14 clinical specialties (including HKU Phase 1 Clinical Trials Centre, cardiology, endocrinology & metabolism, respiratory medicine, hepatobiliary & pancreatic surgery and liver transplantation, obstetrics & gynaecology, haematology & bone marrow transplantation, neurology, nephrology, clinical immunology, orthopaedics & traumatology, gastroenterology & hepatology, oncology and paediatrics & adolescent medicine). The overall inspection result was satisfactory and the said specialties successfully received continuing accreditation by the NMPA, meaning that the clinical drug trial data from these specialties are acceptable by the NMPA for evaluation of new drug approval applications.

HKU/QMH has been accredited by the NMPA for conducting clinical drug trials in six clinical specialties since 2006. HKU Phase 1 Clinical Trials Centre and seven additional clinical specialties were further accredited in July 2016.

School of Public Health and School of Nursing joined Hospital Authority Convention 2019

The School of Public Health and the School of Nursing jointly participated in the Hospital Authority (HA) Convention 2019 held at the Hong Kong Convention and Exhibition Centre on May 14-15, 2019. The convention is one of the most important conferences for the local healthcare community and an annual signature event of the HA. The 2019 Convention featured over 90 distinguished local and overseas speakers who shared their knowledge and insights regarding the healthcare profession.

The convention booth hosted by the Schools was well-visited, including visits from Professor John Leong Chi-yan (梁智仁), then Chairman of HA; Dr Leung Pak-yin (梁栢賢), then Chief Executive of HA and countless other healthcare professionals. Those who stopped by the booth showed great interest in learning more about the education and training programmes offered by the Schools.
Primary Care Pharmacy Consortium 2019

Jointly organised by the Department of Pharmacology and Pharmacy and Pharmacists Connect, the Primary Care Pharmacy Consortium 2019 was successfully held on June 23, 2019.

The Consortium invited guest speakers and attendees from non-governmental organisations (NGOs) and different healthcare settings. During the sharing sessions, local community-based providers shared their vision, experiences, opportunities, and challenges with regard to delivering pharmacy services in the areas of community outreach, medication dispensing and management services, and medication management systems and technologies.

With the forthcoming inauguration of the first District Health Centre, the Consortium also invited Mr Peter Poon, Executive Director of Kwai Tsing District Health Centre to introduce the new government-initiated operational model for primary care settings.

Throughout the programme, the speakers and the participants contributed insightful comments and ideas on the development of primary care pharmacy services in Hong Kong. The event represents concerted efforts of the Consortium to foster the networking and collaborative engagement between the social welfare sector, healthcare providers, and academia on three key fronts:

- Planning, implementation, and evaluation of primary care pharmacy services;
- Research to guide evidence-based pharmacy practice in primary care setting;
- Education to nurture the next generation of leaders in primary healthcare system.

Visit of HKU Centennial Distinguished Chinese Scholar

Professor George F Gao (高福), Director-General of the Chinese Center for Disease Control and Prevention, visited the School of Public Health on June 13-14, 2019 as the HKU Centennial Distinguished Chinese Scholar 2018-19. During Professor Gao’s visit to HKU, he gave a scientific lecture entitled “Mechanism of Virus Entry and Development of Antivirals” and a public lecture on “70 Years of Disease Control and Prevention in China”. The lectures were well attended by scientists, academics, policy-makers, medical and healthcare professionals, students, and members of the public.

The HKU Centennial Distinguished Chinese Scholars Scheme was established by HKU with the aim of bringing outstanding researchers from Mainland China to the University to further strengthen our scientific exchange and collaboration.

This newsletter covers a very eventful period for the Faculty and we have endeavoured to include major items from the past months that were not reported on previously. However, due to space constraints, it has not been possible to mention all items. Please refer to the Faculty website http://www.med.hku.hk/news and select “Inside the Faculty” for complete coverage of news from across HKUMed.
SCOPH Project: Activities in Recognition of International Women’s Day

During the second academic semester, the Asian Medical Students’ Association of Hong Kong’s (AMSAHK) Standing Committee on Public Health (SCOPH) organised two events for International Women’s Day. The first event, held on February 22, 2019, saw SCOPH collaborate with fitness centre “BeWater Martial Arts and Wellness HK” to host its first-ever self-defence workshop. The event allowed students from various faculties to come together to learn the basics of Brazilian Jiu-Jitsu. Participants were able to increase their awareness and knowledge of self-defence while also breaking a sweat and having fun! The second event, held on April 12, 2019, was a training workshop led by Mrs Melissa Chiu Ying-Yan, a professional educator in the field of psychological trauma. The training workshop covered sexual violence and interventions in medical settings. It aimed to raise awareness about sexual violence, covering topics such as sexual trauma and the role of doctors in helping sexual assault victims.

MM2019 Slovenia

A group of 16 Hong Kong medical students attended the IFMSA’s 68th General Assembly (GA) March Meeting 2019, which was held in Portorož, Slovenia on March 1-7, 2019. This eye-opening experience allowed medical students from all around the world to come together and express thoughts and ideas on healthcare topics that they are passionate about. The theme of the conference was Gender in Healthcare and activities included thought-provoking standing committee sessions, themed events, and plenaries that mirrored those that are conducted at the United Nations and World Health Organization summits. Several of our delegates also had the opportunity to attend pre- and post-GA activities. The pre-GA activities allowed participants to further develop their medical knowledge, receiving training in chosen topics including: “Training New Trainers”, “Public Health Leadership Training on Environment, Climate Change and Health”, “IPAS Women’s Reproductive Health and Safe Abortion”, and “sPRead it 2.0”. Post-GA participants enjoyed the beauty and natural scenery of Slovenia by travelling to famous tourist spots for a few days.
MBBS Students Receive Sir Edward Youde Memorial Fund Award

MBBS students Mr Hugo Leung E-heng (梁以鏗, left 2) and Mr Thomas Wong Tsz-hang (黃子衡, right 1) were awarded the SEY Scholarship and SEY Medal of the Sir Edward Youde Memorial Fund Award, respectively, in a ceremony held on March 17, 2019 at the City Hall. In addition to celebrating their achievements, the reception gave students the opportunity to take photos with Lady Youde.

The Sir Edward Youde Memorial Fund was established in 1987 to commemorate the late former Governor Sir Edward Youde. The purpose of the Fund is to provide for and encourage education initiatives and research by the people of Hong Kong.

MedStart 2019: Emergency Medicine

On March 23 and 24, 2019, the Asian Medical Students’ Association of Hong Kong (AMSAHK) held its two-day medical school immersion programme “MedStart”. The programme caters to secondary school students interested in pursuing medicine in the future and was organised by the association’s operations department, 4Hands. The theme of the 2019 programme was “Emergency Medicine”, with activities ranging from insightful lectures by both CUHK and HKU professors to interactive workshops including clinical skills training and basic first aid. MedStart helps to build participants’ understanding of medical school and medical careers, and to assist them in making well-informed decisions throughout the university application process.
HKUSU Sports Association Presentation Day

Contrary to common stereotypes, the life of a medical student is not just about studying lecture notes and memorising medical knowledge. Students from the Medical Faculty actively participate in all kinds of sports events throughout the year for fun. At the Sports Association Presentation Day 2019, we were proud to recognise the remarkable performances and excellent results that our athletes from the Medical Faculty have achieved in inter-faculty competitions. We were pleased to announce that the Medical Faculty was crowned the Olma Challenge Rose Bowl Overall Champion in the women’s category and 1st Runner-up in the Men’s category, alongside awards in 14 other competitions. Kudos to all the athletes!

Applause

Mr Chan Ka-lung（陳嘉龍）, Mr Chiu Hok-wong（趙浩光）and Mr Yip Chun-wang（葉俊宏）, students of the School of Chinese Medicine, were awarded the Bronze Award - Public Welfare Entrepreneurship, China College Students’ Entrepreneurship Competition 2018 by Communist Youth League of China, Ministry of Education of the People’s Republic of China, Ministry of Human Resources and Social Security, China Association for Science and Technology, All-China Students’ Federation, The People’s Government of Zhejiang Province on November 1-3, 2018.

Mr Chan Sik-kwan（陳錫坤）, MPhil candidate, Department of Clinical Oncology, was awarded the HANNN Healthy Ageing Award, Session Winner (Public Health) Award and Session Winner (Oncology 1) Award at the 26th International Student Congress of (Bio)Medical Sciences on June 4-6, 2019.

Miss Chang Eun Seo, PhD candidate, Department of Medicine, was awarded the Hong Kong PhD Fellowship 2019/20 by the Research Grants Council on April 25, 2019.

Miss Chen Hui（陳卉）, PhD candidate, Department of Pharmacology and Pharmacy, was awarded the Young Investigator Award at the 13th International Symposium on Mechanisms Of VasoDilatation, and the 7th International Symposium on Endothelium-Dependent Hyperpolarization, in Rotterdam, The Netherlands on May 20-22, 2019; 2nd Prize for Outstanding Oral Presentation at The 22nd Annual Scientific Meeting of the Institute of Cardiovascular Science and Medicine, in Hong Kong on November 10, 2018; and 3rd Prize of the Young Investigators’ Award at the 8th Scientific Meeting of the Asian Society for Vascular Biology, in Shanghai on November 4, 2018.

Mr Vincent Cheng Ka-fai（鄭嘉輝）, PhD candidate, Department of Pharmacology and Pharmacy, was awarded the ECTS East-Meets-West Research Award and the ECTS Academy-IBI New Investigator Seminar Award at The 46th Annual Congress of the European Calcified Tissue Society (ECTS) in Budapest, Hungary on May 11-14, 2019.
Miss Cheng Yanhua (程艷華), PhD candidate, Department of Pharmacology and Pharmacy, was awarded 1st Prize of the Young Investigators’ Award at the 8th Scientific Meeting of the Asian Society for Vascular Biology, in Shanghai on November 4, 2018.

Mr Bryan Chua Jinghui (蔡競輝), Mr Hsu Shi-shin (徐士心) and Mr Justin Ma Hei-chun (馬曦俊), Master of Research in Medicine candidates, Department of Medicine, were awarded the BL Wong Scholarships for Master of Research in Medicine and Yu Chun Keung Memorial Scholarship for Master of Research in Medicine by the Faculty on March 11, 2019.

Mr Hu Yefan (胡葉凡), PhD candidate, Department of Medicine, was awarded the Hong Kong PhD Fellowship, 2019/20 by the Research Grants Council on April 25, 2019.

Ms Suzanna Kwok Sum-sum (郭琛琛), Master of Research in Medicine candidate, Department of Ophthalmology, was awarded the Young Investigator Award for Best Oral Presentation at the Hong Kong Healthy Aging Symposium 2019 on March 17, 2019.

Mr Luk Tzu-tsun (陸子璡), PhD candidate, School of Nursing, was awarded the SRNT Travel Award by the Society for Research on Nicotine and Tobacco on January 8, 2019; the YS and Christabel Lung Postgraduate Scholarship 2018/19 by the Faculty Higher Degrees Committee on April 25, 2019; and the Pi Iota Chapter Scholarship Award 2018/19 by the Pi Iota Chapter Sigma Tau International Honor Society of Nursing, School of Nursing, of The Hong Kong Polytechnic University on May 25, 2019.

Ms Luo Shan (駱珊), PhD candidate, School of Public Health, was awarded the YS and Christabel Lung Postgraduate Scholarship 2018/19 by the Faculty Higher Degrees Committee on April 25, 2019; and the Glasgow/HKU Early Career Mobility Funds 2019-20 by University Research Committee, HKU on April 24, 2019.

Dr Kulper Sloan Austin, PhD candidate, Department of Orthopaedics and Traumatology, under SMET Faculty Group*, was awarded Outstanding Research Postgraduate Student Award by HKU in July 2019.

* SMET Faculty Group (Science, Medicine, Engineering and Technology Faculty Group): Faculties of Dentistry, Engineering, Medicine and Science

(As of June 2019)
Golden Jubilee of MBBS Class of 1968

The MBBS Class of 1968 organised a series of activities in October 2018 to celebrate their 50th anniversary. To start off, the class enjoyed homecoming visits to the medical and main campuses, as well as a reunion dinner at Loke Yew Hall. Side trips catering to all tastes included cruise to Okinawa, short trip to Taiwan, visit to Macau and Guangzhou via the newly opened “Hong Kong-Zhuhai-Macau Bridge”, and the more adventurous trip to the silk route.

The celebration culminated in a grand closing dinner on the 28th at the Regal Hong Kong Hotel. The occasion was graced by the presence of Professor Sophia Chan Siu-chee (陳肇始), Secretary For Food and Health and Professor Gabriel Leung (梁卓偉), Dean of Medicine. The alumni and their families, many having flown in from abroad to attend, had a joyous and memorable time.

MBBS Class of 1969 Celebrates 50th Anniversary

MBBS Class of 1969 organised a series of activities in November 2019 to celebrate their 50th anniversary. The class enjoyed a reunion fortnight with hiking, island visits, meals at market food stalls, and the Bijas vegetarian restaurant on campus and a grand reunion dinner. The class also returned to visit the main and medical campuses, as well as Queen Mary Hospital, during which the alumni learnt about the new vision of the University and the latest development of the Faculty of Medicine, and they shared views on the University development when they met the President and Vice-Chancellor Professor Xiang Zhang (張翔) at the University Lodge.
MBBS Class of 1978 Celebrates 40th Anniversary

The MBBS Class of 1978 celebrated their 40th anniversary on November 18, 2018. About 20 alumni and families visited the medical campus, after which approximately 100 alumni gathered for a reunion dinner at Loke Yew Hall.

MBBS Class of 1973 Marks 45th Anniversary

The MBBS Class of 1973 celebrated their 45th anniversary on December 8, 2018. About 20 alumni and families visited the main and the medical campuses before gathering for a reunion lunch at the Hong Kong Academy of Medicine. This was followed by a reunion dinner at The Macau Jockey Club House, which was attended by nearly 100 alumni and their families. The dinner was memorable and provided ample opportunity to reminisce and be merry.

MBBS Class 1989 Celebrates 30th Anniversary

MBBS Class of 1989 celebrated the 30th anniversary of their graduation on November 10, 2019. About 60 alumni and families gathered for a reunion dinner at Loke Yew Hall, which provided a perfect occasion for the alumni to relive old memories and catch up with each other.
MBBS Class of 1999 Celebrates 20th Anniversary

MBBS Class of 1999 enjoyed a wonderful feast at Loke Yew Hall on September 14, 2019, which marked the 20th anniversary of their graduation. More than 140 alumni and family members joined the joyous occasion. The Class continued their celebration the following day, when they had a comprehensive tour of the main campus, followed by lunch and guided tour of the medical campus with another 100 alumni and family members.

MBBS Class of 2008 Marks 10th Anniversary

December 2, 2018 saw more than 130 alumni and their family members gathered for a wonderful Christmas lunch at Marco Polo Hotel to celebrate the 10th anniversary of MBBS Class of 2008. The class enjoyed an afternoon feeling nostalgic of their M08 days and how far they have come having graduated and practiced for 10 years already.

MBBS Class of 2009 Celebrates 10th Anniversary

The MBBS Class of 2009 enjoyed a warm class reunion buffet lunch on August 18, 2019, celebrating the 10th anniversary of their graduation. More than 80 classmates, together with their families, joined the joyous occasion, catching up and reminiscing about the good old days as medical students.
HKUMAA 19th Annual General Meeting and Dinner Talk by Professor Xiang Zhang

The HKU Medical Alumni Association (HKUMAA) held its 19th Annual General Meeting (AGM) at the Faculty Board Room on July 23, 2019. At the meeting an election was held; Dr Libby Lee Ha-yun (李夏茵), Dr Donald Li Kwok-tung (李國棟), Professor Keith Luk Dip-kei (陸瓞驥) and Dr Victor Yeung Hip-wo (楊協和) were re-elected as Executive Committee Members. Members of the new Executive Committee as follows:

HKUMAA Executive Committee 2019-2020

President
Dr Barbara Lam Cheung-cheung (藍章翔)

Vice-Presidents
Dr Laurence Shek Siu-lam (石兆林), Dr Janice Tsang Wing-hang (曾詠恆)

Honorary Secretary
Dr Kevin Lau Chung-hang (劉仲恒)

Honorary Treasurer
Dr Matthew Tsui Sik-hon (徐錫漢)

Members
Dr Kingsley Chan Hau-ngai (陳厚毅), Dr Ko Wing-man (高永文)
Dr Cindy Lai Kit-lim (黎潔廉), Dr Libby Lee Ha-yun (李夏茵)
Dr Donald Li Kwok-tung (李國棟), Dr Emmy Li Yuen-mei (李琬微)
Professor Keith Luk Dip-kei (陸瓞驥), Dr Lawrence Tee Man-fai (鄭文輝)
Dr Victor Yeung Hip-wo (楊協和)

Ex-officio
(Dean)
Professor Gabriel Leung (梁卓偉)

(Immediate Past President)
Dr Kathleen So Pik-han (蘇碧嫺)

After the AGM, Professor Xiang Zhang (張翔), the President and Vice-Chancellor of the University, delivered a fascinating dinner talk entitled “My Journey: Life and Sciences”. The talk described Professor Zhang’s personal journey from China to the US and then to Hong Kong, as well as his several scientific breakthroughs along the way, which have shaped and defined his career as a physicist. After the talk, the audience have a more robust understanding of how technology, combined with the right mindset, can be used to drastically improve living standards while at the same time bringing benefits to our environment. Over 80 alumni, members of the Faculty and friends were privileged to attend the occasion.
Reconnecting with Professor Chew Chin-hin in Singapore

Professor Gabriel Leung (梁卓偉) got together with Professor Chew Chin-hin (周振興) (MBBS 1955) in Singapore on October 9, 2019. Professor Chew and his wife Dr Anna Hui Woon Chuen (MBBS 1955) are lifelong friends of the late Professor Sir David Todd (MBBS 1952). While the late Professor Todd was the first non-Australasian elected to The Royal Australasian College of Physicians (RACP) Council, Professor Chew was the first non-Australasian to have received the RACP College medal. Being contemporaries and devoted friends, Professor Chew was most befittingly the first author of the obituary for RACP when Professor Todd passed away in August 2017.

Public Health Alumni Society’s New Council and Social Activities

The HKU Public Health Alumni Society held its Extraordinary General Meeting (EGM) on January 19, 2019 to elect a new Council for 2019-2021. A Gala Lunch was held after the EGM. The event was opened with a welcoming speech by Professor Keiji Fukuda (福田敬二), Director of the School of Public Health, after which followed a relaxing lunch and happy reunion among teachers and fellow alumni of the Public Health family. A hike from Mount Parker to Tai Tam Reservoir was also organised. Alumni made use of this opportunity to reconnect both with each other and with Mother Nature in the scenic beauty of Hong Kong’s country parks.

Congratulations

Dr John Ngan Hin-kay (顏獻基) (MBBS 1982), who received the Hong Kong Humanity Award 2019 by the Hong Kong Red Cross.

Dr Yam Cheuk-sing (任卓昇) (MBBS 2005) and Dr Mina Cheng (鄭敏樂) (MBBS 2007), who received Hong Kong Ten Outstanding Young Persons Selection Award in 2019.

(As of December 2019)
Appointments and Promotions

Professor Wallace Lau Chak-sing (劉澤星), Daniel C K Yu Professor in Rheumatology and Clinical Immunology and Chair Professor of Rheumatology and Clinical Immunology, has been appointed Head of the Department of Medicine.

Professor Leung Wai-keung (梁偉強), Clinical Professor of the Department of Medicine, Li Shu Fan Medical Foundation Professor in Gastroenterology, previously Associate Dean (Human Capital), has been appointed Associate Dean (Research) and Chief Director of Clinical Trials Centre.

Professor Leung Suet-yi (梁雪兒), Y M Kan Professor in Natural Sciences and Chair Professor of Gastrointestinal Cancer Genetics and Genomics of the Department of Pathology, has been appointed Director of Centre for PanorOmics Sciences.

Dr Feng Yibin (馮奕斌), Associate Professor of the School of Chinese Medicine, has been appointed Acting Director of the School of Chinese Medicine.

Professor Michael Huen Shing-yan (禤承恩), previously Associate Professor of the School of Biomedical Sciences, has been appointed Professor.

Professor Elly Ngan Sau-wai (顏秀慧), previously Associate Professor of the Department of Surgery, has been appointed Professor.

Professor Danny Chan (陳振勝), S Y and H Y Cheng Professor in Stem Cell Biology and Regenerative Medicine, Interim Director of the School of Biomedical Sciences and Assistant Dean (Research Postgraduate Studies), has been appointed Director of Education and Development for Research Integrity, HKU.

Professor Cheung Chi-Wai (張志偉), Clinical Professor of the Department of Anaesthesiology, has been appointed Department Head.

Dr George Lim Tipoe (鄭顏兒), Associate Professor of the School of Biomedical Sciences and Assistant Dean (Enrichment Year), has been appointed Director of Bau Institute of Medical and Health Sciences Education.

Dr Harry Wu Yi-Jui (吳易叡), Assistant Professor of Medical Ethics and Humanities Unit, has been appointed Director of the Unit.

Professor Julian Alexander Tanner (唐柱霖), previously Associate Professor of the School of Biomedical Sciences, has been appointed Professor.

Professor Kelvin Yeung Wai-kwok (楊偉國), previously Associate Professor of the Department of Orthopaedics and Traumatology, has been appointed Professor.
Dr Ryan Au Yeung Shiu-lun (歐陽兆倫), previously Research Assistant Professor of the School of Public Health, has been appointed Assistant Professor.

Dr Martin Cheung Chi-hang (張知恆), previously Assistant Professor of the School of Biomedical Sciences, has been appointed Associate Professor.

Dr Jason Cheung Pui-yin (鍾培言), previously Clinical Assistant Professor of the Department of Orthopaedics and Traumatology, has been appointed Clinical Associate Professor.

Dr Derek Cheung Yee-tak (張懿德), previously Research Assistant Professor of the School of Nursing, has been appointed Assistant Professor.

Dr Philip Chiu Chi-ngong (趙志昂), previously Assistant Professor of the Department of Obstetrics and Gynaecology, has been appointed Associate Professor.

Dr Dai Wei (代葳), previously Research Assistant Professor of the Department of Clinical Oncology, has been appointed Assistant Professor.

Dr Shirley Li Xue (李雪), previously Research Assistant Professor of the Department of Medicine and the Department of Pharmacology and Pharmacy, has been appointed Assistant Professor.

Dr Lin Xiang (林响) has been appointed Assistant Professor of the School of Chinese Medicine.

Dr Regina Lo Cheuk-lam (盧綽琳), previously Clinical Assistant Professor of the Department of Pathology, has been appointed Clinical Associate Professor.

Dr Kris Lok Yuet-wan (駱月雲), previously Research Assistant Professor of the School of Nursing, has been appointed Assistant Professor.

Dr Tun Hein-min (黃世萬), previously Research Assistant Professor of the School of Public Health, has been appointed Assistant Professor.

Dr Kelvin Wang Man-ping (王文炳), previously Assistant Professor of the School of Nursing, has been appointed Associate Professor.

Dr Wong Tak-man (黃德民), previously Clinical Assistant Professor of Practice of the Department of Orthopaedics and Traumatology, has been appointed Clinical Associate Professor of Practice.

Dr Helen Yan Hoi-ning (甄凱寧), previously Research Assistant Professor of the Department of Pathology, has been appointed Assistant Professor.

Dr Jane Zhao Jie (趙潔), previously Research Assistant Professor of the School of Public Health, has been appointed Assistant Professor.

Dr Jane Zhou Jie (周婕), previously Research Assistant Professor of the Department of Microbiology, has been appointed Assistant Professor.

(As of June 2020)
Achievements and Awards

HKUMed wins 2019 HKU Teaching Innovation Award

Professor Wallace Lau Chak-sing (劉澤星) and his team won the 2019 Teaching Innovation Award by HKU. The team’s innovations and contributions to enhancing students’ learning through Re-imagining Medical Education: An Enrichment Year in the Core MBBS Curriculum has impressed the Selection Panel for Teaching Excellence Awards immensely.

The team members are:

Professor Wallace Lau Chak-sing (劉澤星) (Leader), Senior Advisor to Associate Dean (Teaching and Learning), Head of the Department of Medicine, Chair Professor of Rheumatology and Clinical Immunology, Daniel C K Yu Professor in Rheumatology and Clinical Immunology;

Professor Gilberto Leung Ka-kit (梁嘉傑), Associate Dean (Teaching and Learning), Clinical Professor of the Department of Surgery and Tsang Wing-Hing Professor in Clinical Neuroscience;

Dr George Lim Tipoe (鄭顏兒), Assistant Dean (Enrichment Year) and Associate Professor of the School of Biomedical Sciences;

Dr Julie Chen Yun (陳芸), Assistant Dean (Learner Wellbeing) and Associate Professor (Teaching) of the Department of Family Medicine and Primary Care;

Dr Gordon Wong Tin-chun (黃田鎮), Assistant Dean (Professional Development) and Clinical Associate Professor of the Department of Anaesthesiology.

HKU start-up wins championship at the IMAGINE IF! Competition Hong Kong Finals

Lifespan, a start-up formed by HKU professors and alumni, won the grand prize at the “2019 Hong Kong Finals of IMAGINE IF!” which was held on February 16, 2019. The competition is a global accelerator organised by the Innovation Forum in Cambridge, UK. Lifespans was co-founded by HKU alumni and three faculty members of the Department of Orthopaedics and Traumatology, HKUMed: Dr Christian Fang Xinshuo (方欣碩), Professor Frankie Leung Ka-li (梁加利) and Professor William Lu Weijia (呂維加). Lifespans has developed three innovative medical implants that have been shown in laboratory conditions to provide superior performance for repairing fractures in the elderly: the Lifespans Soft Hip, Soft Shoulder, and Soft Spine.

Two HKUMed scholars granted funding from the 9th round of Theme-based Research Scheme by RGC

The research projects Control of Influenza: Individual and Population Immunity, led by Professor Benjamin John Cowling (高本恩), Professor and Division Head of Epidemiology and Biostatistics of the School of Public Health; and Fighting Disease Recurrence and Promoting Tissue Repair after Liver Transplantation: Translating Basic Discoveries to Clinical Excellence, led by Professor Lo Chung-mau (盧寵茂), Hospital Chief Executive of The University of Hong Kong-Shenzhen Hospital, were granted funding of HK$55.55 million and HK$50 million, respectively in June 2019, in the hopes of promoting better public health in society.

Professor Mary Ip appointed Regional Adviser by RCPE

Professor Mary Ip Sau-man (葉秀文), Mok Hing-Yiu Professor in Respiratory Medicine and Chair Professor of Respiratory Medicine of the Department of Medicine was appointed Regional Adviser for Hong Kong (2019–2024) by Royal College of Physicians of Edinburgh.
A total of 20 academic staff members from the Faculty were awarded Long Service Awards by HKU in June 2019 in recognition of their loyal service: Professor Kathryn Cheah Song-eng (謝賞恩), Jimmy and Emily Tang Professor in Molecular Genetics and Chair Professor of Biochemistry of the School of Biomedical Sciences; Professor Karen Lam Siu-ling (林小玲), Rosie TT Young Professor in Endocrinology and Metabolism and Chair Professor in Medicine of the Department of Medicine, who have served HKU for 35 years; Professor Daniel Chan Tak-mao (陳德茂), Yu Chiu-Kwong Professor in Medicine and Chair Professor and Chief of Nephrology of the Department of Medicine; Dr Josephine Ip Wing-yuk (葉永玉), Clinical Associate Professor of the Department of Orthopaedics and Traumatology; Professor Kathryn Tan Choon-beng (陳俊明), Sir David Todd Professor in Medicine and Clinical Professor of the Department of Medicine; Professor George Tsao Sai-wah (曹世華), Professor of the School of Biomedical Sciences; Professor Karen Lam Siu-ling (林小玲), Rosie TT Young Professor in Endocrinology and Metabolism and Chair Professor in Medicine of the Department of Medicine; Dr Michael Chan Chi-wai (陳志偉), Associate Professor of the School of Public Health; Dr Vera Chan Sau-fong (陳秀芳), Assistant Professor of the Department of Orthopaedics and Traumatology; Dr Polly Chan Siu-ling (陳小玲), Senior Lecturer of the School of Nursing; Dr Ruby Hoo Lai-chong (何麗莊), Assistant Professor of the Department of Obstetrics and Gynaecology; Dr Philip Chiu Chi-ning (趙志昂), Associate Professor of the Department of Obstetrics and Gynaecology; Dr Jie Qiao elected member of American Academy of Arts & Sciences

Professor Jie Qiao (喬杰), Mrs Ivy Wu Fellow for PRC Academics (1996-1997), HKUMed was elected member of the American Academy of Arts and Sciences in April 2020. Professor Qiao is a member of the Chinese Academy of Engineering (CAE) and is currently President of Peking University Third Hospital; Director of Reproductive Medical Center and Department of Obstetrics and Gynecology in Peking University Third Hospital; Deputy Director of Department of Obstetrics and Gynecology in Peking University; Chief of Key Laboratory of Assisted Reproduction, Ministry of Education. (As of April 2020)

HKUMed funded by the inaugural round of the 2019 NSFC Excellent Young Scientists Fund (Hong Kong and Macau)

Dr Hannah Hui Xiaoyan (惠曉艷), Research Assistant Professor of the Department of Medicine and Dr Tommy Lam Tsan-yuk (林讚育), Assistant Professor of the School of Public Health, were awarded the 2019 National Natural Science Foundation of China (NSFC) Excellent Young Scientists Fund (Hong Kong and Macau) in October 2019.

Professor Chen Zhiwei (陳志偉), Director of AIDS Institute and Professor of the Department of Microbiology, was awarded both of the Faculty Knowledge Exchange (KE) Award 2019 and HKU Knowledge Exchange (KE) Excellence Award 2019 in recognition of his project Knowledge Exchange on HIV/AIDS to Promote HIV Prevention and Care. Professor Chen is the first HKUMed winner since 2015 to be honoured the HKU KE Excellence Award.
The following Faculty members received Faculty Prize 2018:

- Dr Esther Chan Wai-yin (陳慧賢), Associate Professor of the Department of Pharmacology and Pharmacy; and Dr Brian Chung Hon-yin (鍾嘉盛), Clinical Associate Professor of the Department of Paediatrics and Adolescent Medicine, were awarded the Faculty Teaching Awards (Faculty Teaching Medal).

- Professor Wang Yu (汪玉), Professor, and Dr Wong Chi-ming (鍾侃言), Honorary Assistant Professor, of the Department of Pharmacology and Pharmacy; and Professor Xu Aimin (徐愛民), Director of State Key Laboratory of Pharmaceutical Biotechnology and Chair Professor of Metabolic Medicine of the Department of Medicine, and their research team members were awarded Faculty Research Output Prize for their work: The FGF21-CCL11 Axis Mediates Beiging of White Adipose Tissues by Coupling Sympathetic Nervous System to Type 2 Immunity.

- Professor Richard Yuen Man-fung (袁孟峰), Li Shu Fan Medical Foundation Professor in Medicine, Chair Professor of Gastroenterology and Hepatology and Chief of Division of Gastroenterology and Hepatology of the Department of Medicine, and his team members: Dr Walter Seto Wai-kay (司徒偉基), Clinical Associate Professor, Dr Danny Wong Ka-ho (王嘉豪), Assistant Professor, Dr Wong Siu-yin (黃紹然), Honorary Clinical Associate Professor, and Dr Michael Cheung Ka-shing (梁卓偉), Clinical Assistant Professor, as well as the research team of the Department of Medicine; Professor Joseph Wu Tsz-kei (胡子祺), Professor, and Dr Eric Lau Ho-yin (劉浩然), Assistant Professor, of the School of Public Health, were awarded the Faculty Knowledge Exchange Award for their work: A Population Based Study on the Seroprevalence of Viral Hepatitis in Hong Kong.

The following Faculty members received HKU Excellence Awards 2019:

- Dr Brian Chung Hon-yin (鍾嘉盛), Clinical Associate Professor of the Department of Paediatrics and Adolescent Medicine, was awarded HKU Outstanding Teaching Award.

- Professor Ivan Hung Fan-ngai (孔繁毅), Ru Chien and Helen Lieh Professor in Health Sciences Pedagogy, Clinical Professor and Chief of the Division of Infectious Diseases, Department of Medicine was awarded HKU Outstanding Researcher Award.

- Professor Leung Suet-yi (梁雪兒), Y M Kan Professor in Natural Sciences, Chair Professor of Gastrointestinal Cancer Genetics and Genomics of the Department of Pathology and her team members: Dr Helen Yan Ho-niing (關凱寧), Assistant Professor and Dr Ronnie Ho Siu-lun (何肇倫), Honorary Clinical Assistant Professor, of the Department of Pathology; Professor Simon Law Ying-kit (羅英傑), Cheung Kung-Hai Professor in Gastrointestinal Surgery and Chair Professor in Esophageal and Upper Gastrointestinal Surgery of the Department of Surgery; Dr Stephanie Ma Kwai-vee (馬佳宜), Associate Professor and Dr Jason Wong Wing-hon (黃永瀚), Associate Professor, of the School of Biomedical Sciences; Professor Dora Kwong Lai-wan (黃永瀚), Associate Professor and Dr Lam Ka-on (林嘉安), Clinical Assistant Professor, of the Department of Clinical Oncology; Professor Mak Tak-wah (麥德華) of Campbell Family Institute for Breast Cancer Research at Princess Margaret Cancer Centre, University Health Network, Toronto, Canada; and other members from collaborative institutes and universities were awarded HKU Research Output Prize 2018-19 for their work: A Comprehensive Human Gastric Cancer Organoid Biobank Captures Tumor Subtype Heterogeneity and Enables Therapeutic Screening.

The following Faculty members received Faculty Prize 2019:

- Dr Elaine Lee Yuen-phin (李燕薑), Clinical Assistant Professor and Dr Victor Lee Ho-fun (李浩勳), Clinical Associate Professor, of the Department of Clinical Oncology; Dr Desmond Yap Yat-lun (葉逸軒), Clinical Associate Professor and Dr Woo Yu-cho (胡裕初), Honorary Clinical Associate Professor, of the Department of Medicine, were awarded the Faculty Teaching Awards (Faculty Teaching Medal).

- Dr Sherry Chan Kit-wa (陳嘉華), Clinical Assistant Professor and Dr Christy Hui Lai-ting (胡麗婷), Assistant Professor, of the Department of Psychiatry, were awarded the Faculty Outstanding Research Output Award.

- The Division of Paediatric Surgery, Department of Surgery has carried out the country’s first paediatric laparoscopic liver resection in March 2019 and was the world’s first to combine the application of indocyanine green-fluorescence in the operation to successfully manage a child with liver cancer.
Ms Sabiha Jahan Akhee, Research Assistant of HKU-Pasteur Research Pole, the School of Public Health, was awarded a Croucher Foundation Fellowship 2019/2020 by Croucher Foundation in May 2019.

Professor Chen Zhiwei (陳志偉), Director of AIDS Institute and Professor of the Department of Microbiology, was awarded Springer Nature “China New Development Award” in 2019.

Dr Jason Cheung Pui-yin (鍾培言), Clinical Associate Professor of the Department of Orthopaedics and Traumatology, was awarded the 2019 SOSORT Paper Award by the 14th International SOSORT meeting in April 2019; and was appointed AOSpine Asia Pacific Regional Research Chairman in June 2019.

Dr Derek Cheung Yee-tak (張懿德), Assistant Professor of the School of Nursing, was awarded the Excellent Health Promotion Project Award by the Food and Health Bureau in June 2019.

Dr Brian Chung Hon-yin (鍾侃言), Clinical Associate Professor of the Department of Paediatrics and Adolescent Medicine, was awarded the Sir Patrick Manson Gold Medal 2017/18 in February 2019.

Dr Chiu Kung-chun (趙公雋), Postdoctoral Fellow of the Department of Pathology, was awarded the Dr KP Stephen Chang Gold Medal 2017/18 in February 2019.

Dr Michael Co Tiong-hong (許長峯), Clinical Assistant Professor of the Department of Surgery, was awarded the Best Presentation Award at the Global Breast Cancer Conference (GBCC) 2019 by the Organizing Committee of the GBCC 2019 in April 2019.

Professor Benjamin John Cowling (高本恩), Division Head of Epidemiology and Biostatistics and Professor Leo Poon Lit-man (潘烈文), Division Head of Public Health Laboratory Sciences, of the School of Public Health; Dr Stephanie Ma Kwai-ye (馬桂宜), Associate Professor of the School of Biomedical Sciences were elected Founding Members of The Hong Kong Young Academy of Sciences in September 2018.

Dr Hu Yong (胡勇), Associate Professor of the Department of Orthopaedics and Traumatology was granted Second-class Award of the State Scientific and Technological Progress Award (SSTPA) for his work: Establishment and Application of Diagnosis and Treatment System for Spinal Cord Injury based on Epidemiology and Microenvironment Theory in January 2020; he and Dr Wang Zheng (王崢), Assistant Professor of the Department of Mechanical Engineering; and the research team: Dr Wen Rongwei (聞榮偉), Research Assistant, Mr Li Xiaodong (李曉東) and Mr Wang Xiaojun (王小軍), PhD candidates, of the Department of Orthopaedics and Traumatology, were awarded the Silver Medal by The International Exhibition of Inventions of Geneva (IEIG2019) in April 2019.

Dr Richard Kao Yi-tsun (高一村), Associate Professor, Dr Jasper Chan Fuk-woo (陳福和), Clinical Assistant Professor and Dr Philip Yeung Man-lung (楊文龍), Assistant Professor, of the Department of Microbiology, were granted Second-class Award of the State Scientific and Technological Progress Award (SSTPA) for their work: Establishment and Application of Animal Model System for Major Human Infectious Diseases in January 2020.

Professor Ava Kwong (鄺靄慧), Daniel C K Yu Professor in Breast Cancer Research and Clinical Professor of the Department of Surgery received the Uccio Querci della Rovere Award at the Annual Scientific Meeting of the British Association of Surgical Oncology and the Association for Cancer Surgery in London, United Kingdom in November 2019.

Professor Cindy Lam Lo-kuen (林露娟), Danny D B Ho Professor in Family Medicine and Head of the Department of Family Medicine and Primary Care, and her research team were awarded Distinguished Research Making Family Medicine Shine Award and Best Contribution to Family Medicine Award in the WONCA World Conference in October 2018.

Professor Karen Lam Siu-ling (林小玲), Rosie TT Young Professor in Endocrinology and Metabolism, Chair Professor in Medicine of the Department of Medicine, was elected Advisory Board Chairman by Merck Sharp & Dohme Asia-pacific Diabetes Board (2019–2021); Professor Lam was also awarded a Food and Health Bureau (HMRF) grant for the Commissioned Programme on Early Phase Clinical Trials on Novel Pharmaceutical Products in June 2019.

Dr Wendy Lam Wing-tak (藍詠德), Division Head of Behavioural Sciences and Associate Professor of the School of Public Health, was elected Treasurer of the International Psycho-oncology Society in 2019.

Professor Anne Lee Wing-mui (李詠梅), Alice Ho Miu Ling Nethersole Charity Foundation Professor in Holistic Cancer Care and Head of the Department of Clinical Oncology, was granted an Honorary Fellow by the American College of Radiology in May 2019; and awarded the Fujian Provincial Science and Technology Award (First Class) by the Fujian Provincial People's Government in October 2018 and inducted among “Shenzhen Good Doctors” by Shenzhen Health and Population Family Planning Commission / Shenzhen Office of Spiritual Civilization Development Committee in August 2018.

Dr Pamela Lee Pui-wah (李珮華), Clinical Associate Professor of the Department of Paediatrics and Adolescent Medicine, won the Best Paper Award by the World Federation for Medicine Education World
Conference in April 2019; and was also recognised as Distinguished Young Fellow by the Hong Kong Academy of Medicine in September 2019.

Professor Gilberto Leung Ka-kit (梁嘉傑), Tsang Wing-Hing Professor in Clinical Neuroscience, Clinical Professor of the Department of Surgery and Associate Dean (Teaching and Learning), was re-elected the Vice-President (Education & Examinations) of the Hong Kong Academy of Medicine in December 2019.

Professor Frankie Leung Ka-li (梁加利), Tam Sai-Kit Professor in Orthopaedics and Traumatology; Professor William Lu Weijia (呂維加), Ng Chun-Man Professor in Orthopaedic Bioengineering; Dr Christian Fang Xinshuo (方欣碩), Clinical Assistant Professor, of the Department of Orthopaedics and Traumatology; and their research team members Dr Sloan Kulper and Dr Erica Ueda Boles, were awarded the Top Prize at the inaugural Hello Tomorrow Singapore Regional Summit in January 2019.

Dr William Li Ho-cheung (李浩祥) and Dr Kelvin Wang Man-ping (王文炳), Associate Professors of the School of Nursing, were inducted as Fellows of the American Academy of Nursing by the American Academy of Nursing in May 2019.

Professor Lu Liwei (呂力為), Professor of the Department of Pathology, was awarded the Beijing Science and Technology Award (First Class) by People's Government of Beijing Municipality in November 2018 and the China Medical Science and Technology Award (First Class) by Chinese Medical Association in December 2018.

Professor William Lu Weijia (呂維加), Ng Chun-Man Professor in Orthopaedic Bioengineering of the Department of Orthopaedics and Traumatology; and Professors Che Chi-ming (支志明) and Sun Min (孫敏) from HKU Faculty of Science, were awarded a grant from the RGC Joint Laboratory Funding Scheme by the HKU Research Grants Council (RGC) in June 2019.

Professor Hextan Ngan Yuen-shueung (顏婉嫦), Tsao Yin Kai Professor in Obstetrics and Gynaecology and Head of the Department of Obstetrics and Gynaecology, was awarded the Best Volunteer Award by the International Planned Parenthood Federation in July 2019.

Dr Kendrick Co Shih (施愷迪), Clinical Assistant Professor of the Department of Ophthalmology, and his team were awarded the Best Poster Award at the Japanese Cornea Conference 2019 in February 2019.

Dr So Tsz-lam (蘇子謙), Clinical Assistant Professor of the Department of Clinical Oncology, was awarded the Gold Award by The Royal College of Radiologists in November 2018.

Professor Sydney Tang Chi-wai (鄧智偉), Yu Professor in Nephrology, Chair Professor of Renal Medicine of the Department of Medicine was appointed Honorary International Member by Japanese Society of Nephrology in June 2019.

Dr Tun Hein-min (黃世萬), Assistant Professor of the School of Public Health, was awarded the First Place - Best Presentation Award at the AllerGen 2019 Research Conference by The Allergy, Genes and Environment Network (AllerGen) in January 2019, and appointed a 2019 Fellow of National Centre for Infectious Diseases, Singapore, by National University Hospital, Singapore in September 2018.

Dr Dana Vackova, Senior Lecturer of the School of Public Health, was awarded the Award of Merit for Poster Presentation at the Frontiers in Medical and Health Sciences Education 2018 by the Bau Institute of Medical and Health Sciences Education, HKUMed in December 2018.

Dr Sophie Valkenburg, Research Assistant Professor of HKU-Pasteur Research Pole, the School of Public Health, was awarded the Oral Presentation Award at the Immunological Assays and Correlates of Protection for Next Generation Influenza Vaccines by the International Society for Influenza and other Respiratory Virus Diseases (ISIRV) and the University of Siena, Italy in April 2019.

Dr Tiffany Wong Cho-lam (黃楚琳), Clinical Assistant Professor of the Department of Surgery, won the Rising Star Award at the Rising Star Symposium of the 25th Annual Congress of the International Liver Transplant Society in Toronto, Canada in May 2019. She also won Best Oral Presentation Award at the 7th Biennial Congress of the Asian-Pacific Hepato-Pancreato-Biliary in Seoul, South Korea in September 2019.

Dr Stanley Wong Sau-ching (黃守正), Clinical Assistant Professor of the Department of Anaesthesiology, was awarded the FPM Best Free Paper Award by the Australian and New Zealand College of Anaesthetists in May 2019.

Dr Kelvin Yeung Wai-kwok (楊偉國), Professor of the Department of Orthopaedics and Traumatology, was awarded the Second Class Award by the 13th Annual Congress of Chinese Orthopaedic Association in November 2018.

Dr Maria Zhu Huachen (朱華晨), Associate Professor of the School of Public Health, was honoured the Chinese Young Women in Science Award (中國青年女科學家獎) in recognition of her work on influenza and other emerging infectious diseases in December 2019.

(As of February 2020)
Professor Vivian Lin Kwang-wen (林光汶) joined HKUMed as Executive Associate Dean in March 2019. Professor Lin also serves as the Professor of Public Health Practice. She has more than 30 years of experience in public health, with a variety of leading roles in policy and programme development, health services planning, research and teaching, and senior administration in complex organisations.

Professor Lin was the Chair of Public Health from 2000-2013 at La Trobe University in Melbourne before joining the WHO as Director of Health Systems in the Western Pacific Regional Office from 2013-2018.

Professor Lin has also worked at senior executive level in health policy in several Australian jurisdictions, including as Executive Officer of the National Public Health Partnership.

Professor Lin earned her BA from Yale University and her MPH and DrPH from UC Berkeley. She was a recipient of the Jay S. Drotman Memorial Award from the American Public Health Association in 1982 which recognises promising young public health professionals.

Dr Michael Cheung Ka-shing (張嘉盛) joined the Department of Medicine as Clinical Assistant Professor in March 2019. Dr Cheung graduated from HKUMed in 2008 and received his Fellowship in Gastroenterology and Hepatology in 2015 from the Hong Kong College of Physicians. He obtained his Master of Public Health degree in 2016.

Dr Cheung’s primary research interest is the application of Big Data analysis to various gastrointestinal diseases including gastric cancer, colorectal cancer, and gastrointestinal bleeding.

Dr Huang Yuanhua (黃淵華) joined the School of Biomedical Sciences as Assistant Professor in December 2019. Prior to joining HKUMed, he was an EBPOD research fellow in the University of Cambridge and European Bioinformatics Institute (EMBL-EBI). Dr Huang obtained his Bachelor degree of Engineering in Automation from Tsinghua University and Doctoral degree in Informatics from the University of Edinburgh. His current research focuses on developing statistical machine learning methods and computational algorithms to uncover latent structure in heterogenous single-cell genomic data, including clonal somatic mutations, cell differentiation trajectory and disease cellular genetics.

Dr Joseph Chan Yau-kei (陳佑祺) joined the Department of Ophthalmology as Assistant Professor in April 2019. Dr Chan obtained both his bachelor’s and doctoral degrees at HKU. He is an ocular bioengineer and his expertise lies in the design and testing of biomaterials and intraoperative tools for ophthalmic applications. He is also experienced in the design of delivery systems for ophthalmic drugs. He is currently exploring the use of all-aqueous immiscible liquid-liquid systems as platforms for tissue-engineering transplantable cell-based structures in the treatment of eye diseases.

Dr Wendy Chan Wing-lok (陳穎樂) joined the Department of Clinical Oncology as Clinical Assistant Professor in April 2019. Dr Chan obtained her fellowship in Clinical Oncology at the Royal College of Radiologists in 2011 and her fellowship of Hong Kong College of Radiologists in 2014. She obtained her Postgraduate Diploma in Advances in Medicine (CUHK) in 2011 and her Masters in Palliative Medicine (Cardiff University, UK) in 2017. Dr Chan is actively involved in the teaching of medical students and nurses. Her research interests include breast cancer, upper gastrointestinal cancer, thyroid and endocrine malignancy, gynaecological cancer brachytherapy, and geriatric oncology. She is now conducting clinical trials for breast cancer radiotherapy, quality of life studies for cancer survivors and researching systemic treatments for thyroid cancer.

People
Dr Youngwon Kim joined the School of Public Health as Assistant Professor in January 2019. Dr Kim received his post-doctoral training in the Physical Activity Epidemiology programme at the MRC Epidemiology Unit of the University of Cambridge School of Clinical Medicine, UK. He earned his PhD in kinesiology with a minor in statistics from Iowa State University, USA, and his master’s degree in Exercise Science from the University of South Carolina Arnold School of Public Health, USA. Before joining HKUMed, Dr Kim worked as Assistant Professor at the University of Utah, USA.

As a physical activity epidemiologist, Dr Kim has focused his research on understanding the preventive role of physical activity from an epidemiological perspective. Specifically, he has examined the associations of physical activity and fitness with various mortality, cardiovascular disease and cancer outcomes using data from the UK Biobank Project, an ongoing national cohort study of over 500,000 UK adults. His primary research interest lies in improving methodologies for conducting physical activity epidemiology research.

Dr Clarence Nicholas Kotewall (羅博頤) joined the Department of Surgery as Clinical Assistant Professor of Practice in January 2019. Dr Kotewall graduated from HKUMed with an MBBS degree in 2010. He undertook his surgical training at Queen Mary Hospital and joined the Division of Hepatobiliary Surgery and Liver Transplantation in 2018. He became a specialist in general surgery, a fellow of the Hong Kong Academy of Medicine (Surgery), and a fellow of the College of Surgeons of Hong Kong in 2017. His major research interests include management of hepatobiliary malignancy and liver transplantation.

Dr Jeremy Kwok Sze-wai (郭思瑋) joined the Department of Ophthalmology as Clinical Assistant Professor in December 2018. Dr Kwok graduated with an MBBS degree from HKUMed. His subspecialty interests are in oculoplastics, community service projects and epidemiology studies.

Dr Agnes Lai Yuen-kwan (賴婉君) joined the School of Nursing as Assistant Professor in August 2019. Dr Lai is very pleased to serve as an Assistant Professor at her alma mater, where she completed both her Doctoral degree in Nursing and her Doctor of Philosophy in Public Health. Her research interests include respiratory medicine and preventive medicine, and she has conducted various research projects in clinical and community settings. Currently, Dr Lai is exploring the application of the lifestyle-integrated exercise in promoting holistic health and well-being. She looks forward to working with colleagues to promote clinical excellence and contributing to the School’s development and global reputation.

Dr Frank Lam Yuk-fai (林旭輝) joined the Department of Medicine as Clinical Assistant Professor of Practice in July 2019. Dr Lam obtained his medical degree from HKUMed in 2006 and completed his specialist training in Gastroenterology and Hepatology at the Queen Mary Hospital in 2013. He received further training in inflammatory bowel disease at the Mayo Clinic, Rochester, USA in 2018. Prior to joining the Faculty, he was an Associate Consultant of the Department of Medicine, Queen Mary Hospital.

Dr Heidi Ling Guang-sheng (寧珖聖) joined the School of Biomedical Sciences as Assistant Professor in November 2019. Dr Ling obtained her BSc and PhD at HKU and received her postdoctoral training at Imperial College London. Her laboratory employs the emerging technologies from the field of immunometabolism to assess the effects of sustained inflammation on exhausted CD8+ T cell differentiation and population diversity in infection, cancer and autoimmunity.

Dr May Leung Ka-mei (梁家美) joined the Department of Anaesthesiology as Clinical Assistant Professor of Practice in October 2019. She obtained her MBBS degree from HKUMed and completed her anaesthesia fellowship of The Hong Kong College of Anaesthesiologists (HKCA) and The Australian and New Zealand College of Anaesthetists (ANZCA) in Queen Mary Hospital. She spent six months as a Clinical Neuroanaesthesia Fellow in the Institute of Neurosciences and Spinal Unit of Queen Elizabeth University Hospital, Glasgow, UK in 2015. Her research interests are mainly in perioperative medicine, simulation training and clinical education.
Dr Claire Nestor joined the Department of Anaesthesiology as Clinical Assistant Professor of Practice in August 2019. Dr Nestor completed her medical training at University College Dublin, Ireland (Honours) in 2012. She then moved into a career in anaesthetics, obtaining her Fellowship of the College of Anaesthesiologists of Ireland (FCAI) in 2017. Her interest also spans into the management and education side of medicine, where she has obtained additional qualifications in Health Economics and Clinical Education.

Dr Jeff Ti Shih-chieh joined the School of Biomedical Sciences as Assistant Professor in September 2019. Prior to joining HKUMed, Dr Ti received his PhD in Biochemistry and Biophysics from Yale University and then was post-doctoral fellow at the Rockefeller University. His current research focuses on dissecting the mechanism by which cells organise microtubules into complex arrays that play critical roles in cell division, organelle transportation, and cell migration. In particular, employing protein biochemistry, proteomics, optical tweezers, single-molecule fluorescence microscopy, and cryo-electron microscopy, Dr Ti’s group will examine the molecular basis that confers the unique and essential functions of the diverse human tubulin isotypes.

Dr Sabrina Tsao Siu-ling joined the Department of Paediatrics and Adolescent Medicine as Clinical Associate Professor of Practice in March 2019. Prior to joining HKUMed, Dr Tsao was the Director of Electrophysiology (EP) at Ann & Robert H. Lurie Children’s Hospital of Chicago. Dr Tsao obtained her MBBS degree at the United Medical and Dental Schools of Guy’s and St Thomas’ Hospitals, London, UK. She completed her Pediatric Cardiology Fellowship at Children’s Hospital of Pittsburgh, and Pediatric Cardiac Electrophysiology Fellowship at Children’s Memorial Hospital and Northwestern Memorial Hospital, Chicago, USA. Her clinical research interests include treatment of arrhythmia in children and adults with congenital heart disease (ACHD), using a combination of catheter ablation, cardiac device, and arrhythmia surgery, and prevention of sudden cardiac death in children. She hopes to advance paediatric EP education at HKU and continue to collaborate with international colleagues to advance the field of paediatric EP.

Professor Tsoi Nai-shun (蔡廼舜) joined the Department of Paediatrics and Adolescent Medicine as Clinical Professor of Practice in December 2019. Prior to joining HKUMed, Professor Tsoi was Consultant of the Hospital Authority and served as the Director of Paediatric Intensive Care Unit (PICU) at Queen Mary Hospital. Professor Tsoi obtained his MBBS at HKU, and completed his fellowship training at Royal Children’s Hospital in Melbourne and Pittsburg Children’s Hospital in USA. His clinical interests include neonatal and paediatric intensive care as well as paediatric critical care. He is now establishing and developing the PICU service in both Gleneagles HK Hospital and HKU-Shenzhen Hospital.

Dr Eric Wan Yuk-fai (尹旭輝) joined the Department of Family Medicine and Primary Care, and the Department of Pharmacology and Pharmacy as Assistant Professor in February 2019. Following the completion of his PhD in Family Medicine and Medical Statistics from HKU, Dr Wan worked as a medical statistician at the University of Oxford. He is also a Chartered Statistician (CStat) of the Royal Statistical Society and a Professional Statistician (PStat®) of the American Statistical Association. His current research focuses on epidemiology, public health and health interventions and services using big data cohorts.

Dr Wang Weiping (汪衛平) joined the Department of Pharmacology and Pharmacy as Assistant Professor in September 2019. Dr Wang holds a joint appointment with Dr Li Dak-Sum Research Centre at HKU. He obtained his PhD from The Hong Kong University of Science and Technology. He was a Research Fellow at Boston Children’s Hospital, Harvard Medical School and Postdoctoral Associate at Koch Institute for Integrative Cancer Research, Massachusetts Institute of Technology. His research interests include nanomedicine, stimuli-responsive drug delivery, ocular drug delivery and gene editing.
Dr Janus Wong Siu-him
（黃兆謙）joined the Department of Orthopaedics and Traumatology as Clinical Assistant Professor in March 2019. A medical graduate with MBBS degree of HKUMed, Dr Wong received his training in Orthopaedics at Queen Mary Hospital and Duchess of Kent Children's Hospital. His research interests include skeletal dysplasias, osteoporotic fractures, and paediatric orthopaedic deformities.

Dr Pauline Yeung Pui-ning
（楊珮寧）joined the Department of Medicine as Clinical Assistant Professor of Practice in February 2019. Dr Yeung obtained her MBBS degree from HKUMed and completed her fellowship in Critical Care Medicine at Queen Mary Hospital. She was awarded the Hong Kong Lung Foundation Fellowship to work as a Research Fellow at Massachusetts General Hospital / Harvard Medical School in Boston, where she specialised in Outcomes Research. Her current clinical and research interests are in critical care haemodynamics and extracorporeal membrane oxygenation (ECMO).

Dr Jacqueline Yuen Kwan-yuk
（阮君毓）joined the Department of Medicine as Clinical Assistant Professor in January 2019. Dr Yuen is a graduate of Harvard University and the University of Michigan Medical School, USA. She completed her internal medicine residency at the Weill Cornell Medical Center, her geriatrics fellowship at the University of California San Francisco and her palliative care fellowship at the Icahn School of Medicine at Mount Sinai, USA. Prior to joining the Department of Medicine, she was Assistant Professor at the Icahn School of Medicine at Mount Sinai and Clinical Lecturer at the Chinese University of Hong Kong. Her clinical and research interests are in the areas of multimorbidity, end of life care, advance care planning, and serious illness communication.

(As of December 2019)
Goodbye

We would like to express our gratitude and best wishes to the following staff members who have left the Faculty:

Dr Vincent Kong Kau-fung (江球峯), Dr Carl Ilyas, Dr Bassanio Law Cheuk-wah (羅焯華), Dr Sharon Liang Ka-wan (梁嘉蕙) and Dr James William Duncan Mann, Department of Anaesthesiology

Dr Chan Lap-ki (陳立基) and Dr Ray Ng Kit (吳傑), School of Biomedical Sciences

Dr Sumana Sanyal, School of Biomedical Sciences and School of Public Health

Dr Amy Chang Tien-ye (張天怡), Department of Clinical Oncology

Dr Chin Weng-ye (陳穎怡), Department of Family Medicine and Primary Care and Bau Institute of Medical and Health Sciences Education

Dr Michael Chan Pak-hei (陳柏熙), Dr Tommy Cheung Tsang (張鐙) and Dr Christopher

Retirement

The Faculty would like to thank the following staff members for their dedication, service and contributions to the Faculty. We wish them all the best for their future endeavours:

Dr Heather Janet Ballard (白思雅), Professor Lao Lixin (勞力行), Dr Maria Mercedes Garcia-Lao Lixin (勞力行)

In Remembrance

With deep sorrow, we mourn the passing of the following Faculty alumni:

Dr Kelly Au Ka-lai (區嘉輝)(MBBS 1976) passed away on May 29, 2019
Dr Christina Chow Po-wong (周寶煌)(MBBS 1947) passed away on February 24, 2019
Dr Feng Chi-shun (馮至信)(MBBS 1971) passed away on March 8, 2019

Professor Paul Michel Georges Vanhoutte

It is with deep sadness that HKUMed and The University of Hong Kong report the death of Professor Paul Michel Georges Vanhoutte, an internationally renowned pharmacologist and vascular biologist, who passed away in Paris on August 23, 2019. Professor Vanhoutte was Chair Professor and Head of Pharmacology and Pharmacy from 2006 to 2011 and remained Chair Professor until 2015. He was also a Distinguished Visiting Professor at The University and Director of the Biopharmaceutical Research and Development Centre, which he co-founded with Professor Che Chi-ming (Chemistry) and Professor Ricky Man Ying-keung (Pharmacology).

Professor Vanhoutte was a member of many prestigious academic societies and held office in a number of them. He was founding president of the Asian Society of Vascular Biology, past-president of the Hong Kong Pharmacology Society, former director of HKU’s Institute of Cardiovascular Science and Medicine, a founding member of the European Biomedical Research Association and International Society on Endothelialization in Cardiovascular Surgery, and past-president of the Serotonin Club. He also served as Secretary General and President of the International Union of Pharmacology (IUPHAR), The American Society for Pharmacology and Experimental Therapeutics and the International Serotonin Research Society established the Vanhoutte Lecture in his honor.

As a distinguished scholar, Professor Vanhoutte published over 690 original research papers and cultivated several younger generations of scholars. He contributed to the establishment of numerous alliances between industry and academic institutions and helped to develop close links between academics from Asia and the West. At HKU, he played a major role in education, helping to launch the Bachelor of Pharmacy programme. He also promoted drug discovery research across the Chemistry, Molecular Biology and Medicine disciplines.

Professor Vanhoutte was not only an eminent scientist but a great friend and mentor. His passing is a significant loss not only to HKU, but to the field of cardiovascular medicine and pharmacology. We extend our deepest condolences to Professor Vanhoutte’s family.

(As of August 2019)
# Donations

## HK$1,000,000 or above

**Aspiration Foundation Limited**  
In support of the Aspiration Foundation Scholarships and Grant Scheme (1st installment)

**Chau Hoi Shuen Foundation**  
In support of the pilot study of “The use of IVIG in Combination with Rituximab vs Rituximab as the first line treatment of pemphigus”

**Chau Hoi Shuen Foundation**  
In support of the “Love Can Help” Medical Assistance Programme

**Ms Vivien Chen**  
In support of the development of training and research under Hepatobiliary and Pancreatic Surgery

**Mrs Cheung Chin Lan Hong**  
In support of the advancement of the HKU Medical Faculty

**Mrs Cheung Chin Lan Hong**  
In support of the clinical research on diabetes and related metabolic disorders undertaken by Professor Karen Lam Siu-ling

**China Medical Board Inc**  
In support of the Asian Health Equity 2.0 Project

**Chow Tai Fook Medical Foundation Limited**  
In support of the Spinal Cord Injury Pilot Program at MacLehose Medical Rehabilitation Centre

**Chow Tai Fook Charity Foundation Limited**  
In support of Dr Cheng Yu Tung Fellowships (4th installment)

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In support of the Croucher Summer Course: “Computational Genomics of Viral Evolution and Epidemiology”

**Dr Stanley Ho Medical Development Foundation**  
In support of the Health Equity Asia 2.0 Project

**Fu Tak lam Foundation Limited**  
In support of the Skeletal Dysplasia Diagnostic, Treatment and Research Center at the Guangdong-Hong Kong-Macau-Greater Bay Area

**Hong Kong Blood Cancer Foundation**  
In support of the PET/CT scan for lymphoma patients

**Hong Kong Hereditary Breast Cancer Family Registry Limited**  
In support of the research study in connection with The Hong Kong Hereditary and High Risk Breast Cancer Programme (HRBCP) undertaken by Professor Ava Kwong

**Hong Kong Sanatorium & Hospital**  
In support of the recruitment, retention and development of talents under Department of Clinical Oncology

**Institut Pasteur, France**  
In support of the research, teaching and training programmes of HKU-Pasteur Research Pole (January, April & May 2019)

**Leung Tong and Leung Au Sue Har Charitable Foundation Limited**  
In support of the Leung Tong Leung Au Sue Har Residential Scholarship for Medical Students and Leung Tong Leung Au Sue Har Enrichment Scholarship for Medical Students
Li Ka Shing Foundation
In support of the “Love Can Help” Medical Assistance Programme

Li Ka Shing Foundation
In support of the MARS Bio-imaging Research Project

Lichi Charitable Foundation Limited
In support of the on-going research on chronic hepatitis B undertaken by Professor Lai Ching-lung

Mr Lo Shiu Kwan & Ms Kan Po Ling
In support of the research carried out by Professor Karen Lam Siu-ling

Madam Kathryn Louey Wai Hung
In support of the research in the field of nephrology undertaken by Professor Daniel Chan Tak-mao

New World Group Charity Foundation Limited
In support of the research undertaken by Dr Thomas Yau Chung-cheung

Dr Corrie Ng Hung-chun
In support of the Department’s research for nasopharyngeal carcinoma

Dr Patrick Poon Sun Cheong
In support of setting up of the Patrick SC Poon NAM-HKU Fellowship in Global Health Leadership (2nd instalment)

S.K. Yee Medical Foundation
In support of the S.K. Yee Medical Foundation David Todd Memorial Enrichment Scholarship

Mr Siri Manavutiveth
In support of the research activities in hepatology undertaken by Professor Lai Ching-lung

Sun Chieh Yeh Heart Foundation
In support of the establishment of Sun Chieh Yeh Heart Foundation Cardiovascular Health Research Award; Sun Chieh Yeh Heart Foundation Best Paper Prize; Sun Chieh Yeh Heart Foundation Enrichment Scholarship

Mrs Tang Ho Kit Ching
In support of the research activities in hepatology undertaken by Professor Lai Ching-lung

The Queen Mary Hospital Charitable Trust
In support of the Cell- and Gene-based Research Laboratory under Professor Tse Hung-fat’s Cardiology research

The Tam Shiu Charitable Trust
In support of the setting up of The Tam Shiu Anatomical Modelling Laboratory

**HK$500,000 or above**

Greater Growth Limited
In support of the research in Parkinson’s disease undertaken by Professor Ho Shu-leong

Mr HO Sheung Sang
In support of the research projects undertaken by Professor Daniel Chan Tak-mao

Mok Hing Yiu Charitable Foundation
In support of the Lancet Infectious Diseases Commission on Pandemic Preparedness

Mr and Mrs Lam Tak Chi
In support of the leukemia research undertaken by Dr Gill Harinder Singh

Mr Winston Leung Wing Ching
In support of the research in nephrology undertaken by Professor Sydney Tang Chi-wai
Pasteur Foundation Asia
In support of the 10th Immunology Anniversary Symposium, International Workshop in Ho Chi Minh City, Vietnam and R&D work of HKU-Pasteur Research Pole

Silver Birch Investment Limited
In support of the research in the field of nephrology undertaken by Professor Daniel Chan Tak-mao

T.S. Lo Foundation
In support of the T.S. Lo Personalized Asthma Healthcare Program (2nd installment out of 2) undertaken by Professor Mary Ip Sau-man’s team

T.S. Lo Foundation
In support of the research in the field of nephrology undertaken by Professor Daniel Chan Tak-mao

Silver Birch Investment Limited
In support of the research in the field of nephrology undertaken by Professor Daniel Chan Tak-mao

T.S. Lo Foundation
In support of the T.S. Lo Personalized Asthma Healthcare Program (2nd installment out of 2) undertaken by Professor Mary Ip Sau-man’s team

Thomas and Linda Lau Family Foundation
In support of the research activities undertaken by Dr James Ho Chung-man

Xu & Huang Family Charitable Foundation
In support of the hepatology research undertaken by Professor Richard Yuen Man-fung

HK$100,000 or above
Mr Chan Kwok Keung
In support of the clinical and basic science research in nephrology undertaken by Professor Sydney Tang Chi-wai

Dr Cheung Ying Yau
In support of the clinical and laboratory research in nephrology undertaken by Professor Sydney Tang Chi-wai

Mr Chu Tat Chi
In support of the clinical and basic research in nephrology undertaken by Professor Sydney Tang Chi-wai

Mr Fan Shi Hoo
In support of the patient care, research and teaching in Division of General Orthopaedics & Oncology, Department of Orthopaedics & Traumatology

Globe Power Ltd.
In support of the respiratory research activities on circulating plasma biomarkers in lung cancer undertaken by Dr David Lam Chi-leung

Hong Kong Painting and Calligraphy Publications Limited
In support of Dr Zhang Zhangjin’s research project in the School of Chinese Medicine

Mr Ho Ting-Sik
In support of the respiratory research activities on circulating plasma biomarkers in lung cancer undertaken by Dr David Lam Chi-leung

Dr Gallant HO Yiu Tai
In support of the Cerebrovascular Research Fund under Professor Raymond Cheung Tak-fai

Dr Gallant HO Yiu Tai
In support of the Vascular Research Fund under Professor Tse Hung-fat

Mrs Kong Leong Pui Yee
In support of the research undertaken by Dr Gary Lau Kui-kai

Mr Lam Siu Kau Allen
In support of the research activities in hepatology undertaken by Professor Lai Ching-lung

Mrs Lee Lau Wai Ken
In support of the research in gastroenterology undertaken by Professor Leung Wai-keung
Mr Mark Lee Po On
In support of the hepatology research activities undertaken by Professor Yuen Man-fung

Professor Gilberto Leung Ka-kit
In support of the clinical and academic activities conducted by the Division of Neurosurgery of the Department of Surgery

Dr Ares Leung Kwok Ling
In support of the Ares Leung Clinical Skills Prize in Emergency Nursing

Mrs Paula Ong Chan Chui Ling
In support of the GB Ong Visiting Professorships & Visiting Fellowship programme

Oriental International Health Products Co. Ltd
In support of Dr Chen Jianping’s research project in the School of Chinese Medicine

Pfizer Corporation HK Ltd.
In support of Professor Ava Kwong to attend the Annual Meeting of European Society for Medical Oncology in Madrid, Spain on September 8-12, 2017

Po Lun Investment Co., Ltd.
In support of the respiratory research activities on circulating plasma biomarkers in lung cancer undertaken by Dr David Lam Chi-leung

The Terry Fox Foundation, Canada and the Terry Fox Run Hong Kong
In support of the cancer research project “Multi-Centred Collaborative Lung Cancer Screening Project in Canada, Australia and Hong Kong” undertaken by Dr David Lam Chi-leung

Mr Ryan Tsang Yee King
In support of the activities of Liver Transplantation Division

Dr Buddy Wong Yat Kiu
In support of Wong Hau-yuen Visiting Professorship in Otorhinolaryngology

Ms Clare Wong
In support of the research undertaken by Dr Gary Lau Kui-kai

Dr Simon Wong Kam Kee
In support of the Springboard Scholarship under LKS Faculty of Medicine

Professor Yu Yue Hong Richard
In support of the research activities in nephrology undertaken by Professor Daniel Chan Tak-mao

Mr & Mrs C.S. Yung of Good Asia Company Limited
In support of the basic research on organ fibrosis undertaken by Dr Susan Yung Sou-ying

Mr & Mrs C.S. Yung of Newhon Industrial Limited
In support of the basic research on organ fibrosis undertaken by Dr Susan Yung Sou-ying

Leong Che-Hung Medical & Research Enrichment Scholarship

HK$200,000 or above
Ching Chung Taoist Association of Hong Kong Ltd
Mr Danny Choi Chun Chung
Mr Ng Wai Sun, BBS *
Dr Tam Kam Kau, SBS, JP
Mr Yeung Fun Bun, MH *

HK$100,000 or above
Dr Chu Kin Wah
Mr Tom Lau Ko Yuen *
Mr Siu Muk Lung

* Top-up donation
(as of June 2019)
HKUMed keeps the Hong Kong community informed of the latest developments in health-related issues, and encourages a healthy lifestyle, contributing to TV and radio programmes, such as 《精靈一點》、《醫生與你》、《自在八點半》、《五夜講場》(Radio Television Hong Kong, RTHK) ; The Pearl Report、《新聞透視》、《星期日檔案》、《醫療專題》、《最強生命線》、《癌症系列》、《老人病系列》、《醫療系列》、《X偏方全民拆解》、《東張西望》(Television Broadcasts Limited, TVB) ; 《至FIT男女》 (iCable)、《杏林在線》(NOW News).

We contribute regular health columns* in local newspapers including the Oriental Daily News《東方日報醫健寶庫系列》(Saturdays) and am730《醫理:香港大學李嘉誠醫學院系列》(Mondays).

The Faculty also lined up interviews with colleagues for their comments and expertise on acute appendicitis, esophageal achalasia, hyperparathyroidism, epiretinal membrane, hepatitis B, septicemia and other health-related issues.

The Faculty provided media consultancy and assistance to students in organising the “Drug Usage Information Day – Learn More, Breathe Better” and “Health Exhibition - A Mission for Vision” campaign. The events attracted positive media coverage.

* Please visit our Knowledge Exchange - Engaging the Community section at http://www.med.hku.hk to find out more.

Recent Faculty press events include:

**January 2019**

10 HKUMed discovers novel drug compounds and associated drug target for broad-spectrum antiviral therapy

港大團隊發現全新的廣譜抗病毒藥物及相關靶點

25 HKUMed researchers report high influenza vaccine effectiveness in Hong Kong, 2018-19 winter

香港大學研究人員報告香港2018-19年度冬季流感疫苗的高效性

31 HKUMed discovers high risk epstein-barr virus variants associated with nasopharyngeal carcinoma

港大研究發現高危EB病毒變異與鼻咽癌息息相關

**February 2019**

13 HKUMed demonstrates that acute sleep deprivation is associated with significant increase in DNA damage and decrease in DNA repair in young doctors

港大研究顯示短期睡眠不足導致基因損傷及影響基因修復

21 HKU and Imperial College London develop the first robotic aptamer-based platform for hormone pulsatility measurement, enabling better diagnosis of reproductive disorders

香港大學和倫敦帝國學院共同開發首個基於核酸適配體的荷爾蒙脈衝自動檢測平台有助提升生殖障礙診斷水準

26 HKUMed discovers new potential targeted approach in the treatment of ovarian cancer

港大發現卵巢癌標靶治療新方向

**March 2019**

5 HKUMed studies the prevalence of viral hepatitis in Hong Kong – The first largest population territory-based study identifies areas of need in combating liver diseases

港大發表首個針對病毒性肝炎患病率的全港大規模人口研究

7 HKU announces its findings on the role of testosterone in serious heart conditions using Mendelian randomisation

港大公布一項利用孟德爾隨機化方法分析睾酮與嚴重心臟疾病關聯關係之研究結果

8 HKUMed discovers potential new drug target for tuberculosis

港大發現結核病標靶
11 HKUMed discovers mechanisms underlying fatal SARS acute lung injury
港大發現SARS冠狀病毒急性肺損傷致死的機制

April 2019
9 HKUMed shows breastfeeding is linked with a more favourable lipid profile in adolescence
港大醫學院研究發現母乳餵哺與青少年擁有較健康血脂水平有關

May 2019
22 HKU successfully performs the first non-fusion scoliosis surgery by vertebral body tethering in Hong Kong
香港大學完成香港首宗VBT技術進行的非融合脊柱側彎手術

27 HKUMed School of Nursing invited to join the China Nursing Consortium of Elite Teaching Hospitals
香港大學李嘉誠醫學院護理學院獲邀加入「中國精英教學醫院護理聯盟」

June 2019
3 HKU discovers stem cell breakthrough
Offers new avenue for advancing research into embryonic development, regenerative medicine, biotechnology and agriculture
香港大學在幹細胞科研取得突破性發展為胚胎發育、再生醫學、生物科技及農業的研究開拓新途徑

5 HKU Medical Artificial Intelligence Laboratory Programme employs AI as new testing ground for more optimal and efficient clinical practice of eye diseases
香港大學醫學人工智能實驗室計劃以人工智能進行研究
在眼疾臨床應用上更有效率

11 HKUMed receives donation of HK$10 million from the Aspiration Foundation for the establishment of the Faculty's Second Chance Scholarship
香港大學李嘉誠醫學院獲「願慈善基金」捐贈一千萬港元設立「願慈善基金毅行醫路獎學金」

30 HKUMed publishes a book titled Confessions and Professions: Grand Rounds in Hong Kong Medicine
港大醫學院出版《Confessions and Professions: Grand Rounds in Hong Kong Medicine》，收錄40多位醫學界領袖包括傑出校友、老師、研究員和醫生等訪問

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July 2019
11 HKUMed reports real-time population data on depression and suicidal ideation: a 10-year prospective cohort
港大醫學院發表10年隊列研究報告：出現抑鬱症及有自殺想法的全港性即時人口數據

17 HKUMed develops a new platform for accelerating protein engineering and optimising CRISPR protein for higher fidelity in gene editing
香港大學開發首個蛋白質優化平台提升基因編輯酶的準確性和效率

14 HKUMed discovers previously unidentified mechanisms of obesity-induced insulin resistance and new biomarker of anti-diabetic Miao medicine
香港大學研究科學院發現肥胖引起胰島素抵抗的新機制和苗藥治療新靶點

August 2019
11 HKU Trailblazer Project finds country parks linked to an active and healthy lifestyle
港大「開拓者計劃」研究發現郊野公園與活力健康的生活方式息息相關