

香港研究資助局

Research Grants Council
of Hong Kong



2020/21 ANNUAL REPORT

本署檔號 OUR REF.: UGC/GEN/232/92

申請檔號 APPLICATION REF. NO.:

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30 June 2022

Mr Carlson Tong, GBS, JP
Chairman
University Grants Committee
7/F Shui On Centre
6-8 Harbour Road
Wanchai
Hong Kong

Dear Carlson,

**Research Grants Council
Report for 2020/21**

Under its terms of reference, the Research Grants Council (RGC) is required, among other things, to report on its work annually to the Government through the University Grants Committee.

I have the pleasure to submit herewith the report of the Research Grants Council covering the thirtieth year of the Council's operations. The report will be published on the RGC's website for public accountability.

I should be grateful if you would forward the report to the Government of the Hong Kong Special Administrative Region.

Yours sincerely,



Professor Yuk-shan Wong
Chairman
Research Grants Council

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唐主席：

研究資助局二零二零至二一年度報告

研究資助局(研資局)的職權範圍其中一項，是本局須透過大學教育資助委員會向政府提交周年工作報告。

現附上研資局的報告，載述本局的第三十年運作情況。這份年報會載於研資局的網頁，以便更多讀者可以閱覽。

謹請將這份報告呈交香港特別行政區政府。



研究資助局主席黃玉山教授

二零二二年六月三十日

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Foreword from the Chairman 主席序言

This past year 2020/21 has been another robust and productive one for the Research Grants Council (RGC). It is most encouraging to note that the newly introduced initiatives for the benefits of the research community have been well received. With the vitality and creativity of Hong Kong researchers, our funded projects have continued to produce remarkable results in a wide range of disciplines.

RGC Highlighted Activities in the 2020/21 academic year

General Research Fund

Over 50% of RGC's budget is allocated for the General Research Fund which supports a large number of researchers. The aim is to supplement universities' own research support to those who have achieved or have the potential to achieve excellence. This past year, out of 2 872 applications from a wide range of disciplines, we funded a total of HK\$777 million for 1 058 research projects.

Early Career Scheme

The Early Career Scheme is intended to nurture junior academics and to prepare them for a career in education and research. In the 2020/21 academic year, out of 414 applications, 163 projects were funded at a total amount of HK\$108 million, with eight of them rated "Outstanding". The applicants of these projects were each granted an honorary title of "The Early Career Award 2020/21".

對研究資助局(研資局)來說，過去的2020/21年度繼續是有活力的，同時亦是豐盛的一年。多項造福研究界的新設舉措均廣受歡迎，研資局亦因而感到鼓舞。憑藉香港研究學者的幹勁和創意，本局的資助項目在多個研究領域持續取得卓越佳績。

研資局2020/21學年的重點活動

優配研究金

研資局的財政預算中，超過百分之50的資源撥作優配研究金，資助為數不少的學者進行研究。優配研究金的目的，是在大學為學者提供的研究資助以外，給表現卓越或潛質優厚的學者額外資助。過去一年，研資局收到2 872份不同學科的申請，其中1 058個研究項目獲得資助，撥款合共7.77億港元。

傑出青年學者計劃

傑出青年學者計劃旨在培育新進學者，幫助他們為日後的教學及研究事業作好準備。於2020/21學年，研資局共接獲414個申請，其中163個研究項目獲得資助，總額為1.08億港元，當中八個項目更獲評核為「卓越」級別。這些申請人每人可獲得「2020/21年度傑出青年學者獎」殊榮。

Collaborative Research Fund

The Collaborative Research Fund (CRF) Scheme supports multi-investigator, multi-disciplinary projects in order to encourage more research groups to engage in creative and high-quality cross-disciplinary/cross-institutional projects. For the 2020/21 exercise, out of 175 applications, 29 research projects were funded at a total amount of HK\$146 million. In addition, in response to the COVID-19 pandemic and its evolving global impact, the University Grants Committee (UGC) allocated a one-off additional funding of \$150 million in May 2020 to launch a one-off CRF COVID-19 and Novel Infectious Disease (NID) Research Exercise. The research community responded actively and swiftly. Within two months from the call in May 2020, the RGC received 174 full group research proposals from a wide range of academic disciplines. 27 research projects were funded eventually, with ten of them under the biology and medicine disciplines, eight under business studies and humanities & social sciences and nine under engineering & physical sciences. The positive response from our academic community demonstrates the versatility and capability of our universities in developing good research projects in addressing the widespread impact of the COVID-19 pandemic from difference disciplines and also longer term challenges of other similar pandemic in the future.

In light of the encouraging response, the UGC further allocated an additional \$100 million one-off funding to launch the Second round one-off COVID-19 and NID Research Exercise in January 2021, in conjunction with the regular CRF 2021/22 exercise.

Due to the pandemic, CRF Symposium for monitoring the progress of 15 funded projects under CRF 2018/19 exercise was changed to private meetings with project teams in virtual settings in February 2021. The project teams received valuable feedbacks from the CRF Committee¹ Members.

Joint Research Schemes

Joint Research Schemes are established in collaboration with research bodies in the Mainland and overseas and are meant to promote and further encourage research co-operation and exchanges. These joint schemes provide funding for supporting research projects, travels or conferences / workshops. In the 2020/21 academic year, the RGC ran five Joint Research Schemes with partner agencies in other regions.

協作研究金

協作研究金旨在資助由多名學者合作的跨學科研究項目，希望鼓勵研究單位進行更多具創意及高質素的跨學科／跨學院研究項目。於2020/21年度，研資局接獲175個申請，其中29個研究項目獲得資助，總額為1.46億港元。此外，因應2019冠狀病毒病疫情及其帶來的全球性影響，大學教育資助委員會(教資會)於2020年5月額外撥出一次性的1.5億港元，推出協作研究金2019冠狀病毒病及新型傳染病一次性研究計劃。研究界別反應積極及迅速，在2020年5月計劃推出後的兩個月內，研資局共收到174份來自不同學科的正式研究計劃書。最終有27個研究項目獲得資助，包括十個關於生物學及醫學、八個關於商業、人文科學及社會科學，以及九個關於工程學及自然科學的研究項目。學術界的正面反應，充分反映我們的大學有足夠能力在不同學科範疇靈活制定優質的研究項目，以應對2019冠狀病毒病疫情及將來類似流行病(如流感、新型傳染病等)所帶來的影響。

有見及此，教資會於2021年1月增撥1億元一次性撥款，推出第二輪協作研究金2019冠狀病毒病及新型傳染病一次性研究計劃，並與協作研究金2021/22年度計劃同時接受申請。

受疫情影響，協作研究金資助項目研討會改於2022年2月以視像會議形式進行。在會議中，15個於2018/19學年獲資助的研究項目向協作研究金委員會¹委員匯報項目的進度。

合作研究計劃

研資局分別與內地及其他不同地區合辦合作研究計劃，旨在推廣及鼓勵合作研究及交流。這些合作研究計劃為研究項目、旅費及會議補助金提供資助。於2020/21學年，研資局分別與不同地區合辦五個合作研究計劃。

¹ CRF Committee was re-titled to CRF Selection Panel and put under the Collaborative Research Projects Steering Committee in June 2021. 協作研究金委員會於2021年6月改稱為協作研究金評審小組，並納入為協作研究項目督導委員會轄下的其中一個評審小組。

Humanities and Social Sciences Prestigious Fellowship Scheme

The Humanities and Social Sciences Prestigious Fellowship Scheme was established to recognise excellence in the Humanities and Social Sciences. It provides relief teachers and supporting funds to the outstanding investigators under the Humanities and Social Sciences Panel to enable them to focus on research work and writing. The fellowship provides resources for the employment of relief teachers, as well as the costs of travel, subsistence and dissemination of outputs. Eight prestigious investigators were awarded in the 2020/21 academic year and HK\$2.82 million in total was allocated.

Theme-based Research Scheme

The objective of the Theme-based Research Scheme (TRS) is to focus academic research efforts of the UGC-funded universities on themes of strategic importance to the long-term development of Hong Kong. There are four research themes, namely “Promoting Good health”, “Developing a Sustainable Environment”, “Enhancing Hong Kong’s Strategic Position as a Regional and International Business Centre” and “Advancing Emerging Research and Innovations Important to Hong Kong” under the scheme. With the addition of three new grand challenge topics, namely “Food Production and Food Security”, “Financial Technologies (FinTech) and Regulatory Technologies (RegTech)” and “Artificial Intelligence” in 2018/19, there are currently a total of 19 grand challenge topics under the four themes.

The tenth round exercise was held in the 2020/21 academic year. A total of 52 preliminary proposals were received. After the preliminary selection and a vigorous peer-review process, the RGC allocated HK\$230 million to support seven projects.

Areas of Excellence Scheme

The Areas of Excellence Scheme provides support to the UGC-funded universities to build upon their existing strengths and develop them into areas of excellence. The Ninth Round exercise was held in the 2020/21 academic year. A total of 20 eligible preliminary proposals were received, seeking grants of HK\$1.5 billion. After preliminary selection and a vigorous peer-review process, the RGC allocated HK\$277 million to support four projects.

人文學及社會科學傑出學者 計劃

人文學及社會科學傑出學者計劃旨在表揚傑出的人文學及社會科學學者。此計劃為人文學及社會科學學科小組轄下的優秀研究人員提供替假教師及資助，讓他們專心從事研究及寫作。計劃不單提供資源聘請替假教師，還包括旅費、生活津貼及發表研究結果的費用。於2020/21學年，八名傑出學者獲得資助，總額為282萬港元。

主題研究計劃

主題研究計劃的目的是集中教資會資助大學的學術研究力量，對香港長遠發展具策略重要性的主題進行研究。計劃共有四個研究主題，名為「促進健康」、「建設可持續發展的環境」、「加強香港作為地區及國際商業中心的策略地位」及「促進對香港起重要作用的新興研究及創新項目」。連同2018/19學年新增的三個具挑戰性題目，即「食物生產及食物安全」、「金融科技及監管科技」及「人工智能」，現時四個研究主題下共設有19個具挑戰性題目。

第十輪計劃於2020/21學年舉行。研資局共收到52份初步研究建議書。經過篩選及嚴格的學者評審後，研資局撥款約2.3億港元，資助共七個研究項目。

卓越學科領域計劃

卓越學科領域計劃協助教資會資助大學把現有優勢發展為卓越學科領域。第九輪計劃於2020/21學年舉行。研資局共收到20份合資格初步建議書，申請金額約15億港元。經過初步篩選及嚴格學者評審後，研資局撥款約2.77億港元，資助共四個研究項目。

Competitive Research Funding Schemes for the Local Self-financing Degree Sector

The RGC first launched three research funding schemes for the local self-financing degree sector in 2013. They are the Faculty Development Scheme, the Inter-Institutional Development Scheme and the Institutional Development Scheme (IDS).

The IDS was branched out into two grants, namely the “Research Infrastructure Grant” and the “Collaborative Research Grant”. The original mode of operation of the IDS continued in the form of Research Infrastructure Grant. The Collaborative Research Grant was modelled on the Collaborative Research Fund in the UGC sector to encourage and support collaborative and / or cross disciplinary research.

The RGC received 301 applications in the Seventh Round exercise and funded a total of HK\$86.50 million for 83 research projects. The results of the Seventh Round exercise were announced in September 2020. Following the completion of the Seventh Round exercise, the Eighth Round exercise started in November 2020. A total of 15 local self-financing degree-awarding institutions were eligible for the three funding schemes. The results of the Eighth Round exercise will be announced in September 2021.

Research Impact Fund

The Research Impact Fund (RIF) was established in 2018 to encourage local academics to consider and articulate the potential of research to deliver benefit for the wider community and also to encourage a greater volume of collaborative research beyond academia. For the 2020/21 exercise, out of 124 applications, 13 research projects were funded at a total amount of HK\$75 million.

本地自資學位界別競逐研究資助計劃

研資局於2013年起為本地自資學位界別推出三項研究資助計劃，分別名為教員發展計劃、跨院校發展計劃及院校發展計劃。

院校發展計劃分為兩個撥款，即「研究基礎設施撥款」和「協作研究撥款」。院校發展計劃原有的運作模式透過研究基礎設施撥款繼續運作。協作研究撥款則參考教資會界別的協作研究金，鼓勵及資助院校進行集體及／或跨學科的合作研究。

研資局在第七輪計劃共收到301份申請，其中83個研究項目獲得資助，撥款合共8,650萬港元。申請撥款結果已於2020年9月公布。隨著第七輪計劃的結束，第八輪計劃在2020年11月展開，共有十五所本地可頒授學位的自資院校符合參與上述三項研究資助計劃的資格。第八輪計劃的申請結果將於2021年9月公布。

研究影響基金

研究影響基金於2018年成立，旨在鼓勵本地學者積極考慮潛在的研究效益，使更廣泛的社區能夠受惠，並鼓勵開展更多學術界以外的研究合作。於2020/21年度，研資局收到124個申請，當中13個研究項目獲得資助，總額為7,500萬港元。

Hong Kong PhD Fellowship Scheme

The Hong Kong PhD Fellowship Scheme (HKPFS) continues to enhance internationalisation of our higher education sector. In the first eleven rounds of exercise, about 2 200 candidates from more than 90 countries/regions were selected to pursue their PhD studies in Hong Kong.

The monthly stipend and annual conference and research-related travel allowance for the 2020/21 academic year are HK\$26,600 and HK\$13,300 respectively. Thereafter, the UGC Secretariat will arrange annual adjustment to the level of stipend and travel allowance at the beginning of each academic year, in accordance with the Composite CPI, as announced by the Census and Statistics Department.

In light of the very good quality of the HKPFS graduates, the number of fellowship places of the HKPFS was increased from 250 to 300 for the Twelfth Round (for 2021/22 intake) and subsequent exercises.

Tuition Waiver for Local Research Postgraduate (RPg) Students

Starting from the 2018/19 academic year, the Government provides tuition waiver for all local students enrolled in UGC-funded RPg programmes. In the 2020/21 academic year, over 1 760 students benefited from the scheme and the total tuition waived was about HK\$69 million.

Research Matching Grant Scheme

Since the launch of the Research Matching Grant Scheme on 1 August 2019, seven processing cycles have been completed as at 31 March 2021. All the eight UGC-funded universities and ten of the 13 local self-financing degree-awarding institutions have submitted applications for matching grant under the Scheme. Donation / sponsorship / research contract applied for matching amounted to about \$2.55 billion in total. Matching grants at a cumulative amount of \$1.52 billion have been disbursed to 18 universities and institutions. So far, one university has reached the matching ceiling of \$500 million, and six universities and one institution have reached the matching floor of \$50 million. After completion of the seventh processing cycle, the remaining balance available for application by universities and institutions for matching stood at about \$1.48 billion.

香港博士研究生獎學金計劃

研資局繼續推行香港博士研究生獎學金計劃，推動本地高等教育院校國際化。在首十一屆計劃中，有大概2 200名來自超過90個國家及地區的申請人脫穎而出，在香港修讀博士研究生課程。

2020/21學年的獎學金計劃的每月津貼和每年的會議及研究活動交通津貼是2.66萬和1.33萬港元。此後，教資會秘書處會根據政府統計處公布的綜合消費物價指數的變動率在每學年初調整有關的津貼水平。

由於獎學金計劃畢業生的質素優良，第十二屆（於2021/22學年取錄）及之後屆別獎學金計劃的得獎名額已由250個增加至300個。

本地研究生學費豁免計劃

由2018/19學年開始，政府會為修讀教資會資助研究院研究課程的所有本地學生提供學費豁免。在2020/21學年，超過1 760名學生受惠，豁免的學費總額約6,900萬港元。

研究配對補助金計劃

自研究配對補助金計劃於2019年8月1日開展以來，截至2021年3月31日，已完成七個申請期；八間教資會資助大學及13間本地自資學位頒授院校中的十間均有遞交申請，配對的申請已涉及共約25.5億元捐款／贊助／研究合約。18間大學／院校已累積獲發放共15.2億元配對補助金。目前有一間大學已獲發放5億元「預設上限」的配對補助金，並已有六間大學及一間院校獲取超過5,000萬元「最低款額」的配對補助金。第七個申請期結束後，可供大學／院校繼續申請的配對補助金餘額約有14.8億元。

RGC Postdoctoral Fellowship Scheme

Introduced in the 2019/20 academic year, the RGC Postdoctoral Fellowship Scheme (PDFS) aims to encourage doctoral graduates in pursuing career in research and provide promising researchers with support at a pivotal time in their very early career. The 50 awardees of the second exercise (2021/22) have been notified of their attainment of the award in April 2021. They will be provided with support of annual stipends to cover their basic salary as postdoctoral fellow at a UGC-funded university as well as conference and research-related travel allowance throughout the 36-month fellowship period. The first annual stipend is at HK\$405,330. Subject to the relevant terms and conditions, the annual stipend for the subsequent years will be adjusted according to the Composite Consumer Price Index announced by Hong Kong Census and Statistics Department.

RGC Research Fellow Scheme / RGC Senior Research Fellow Scheme

Introduced in the 2019/20 academic year, the RGC Research Fellow Scheme (RFS) and RGC Senior Research Fellow Scheme (SRFS) aim at providing sustained support and relief from teaching and administrative duties for exceptionally outstanding academics at UGC-funded universities in Hong Kong, with a view to facilitating their full dedication to research and development. The debut cohort (2020/21) of ten RFS and ten SRFS awardees has started their RFS/ SRFS research projects on 1 January 2021. The second RFS and SRFS exercise (2021/22) has also been completed in the first half of 2021. As endorsed by the RGC in June 2021, there are 10 RFS and 10 SRFS awardees in the second exercise. They will be supported with a fellowship grant covering a period of 60 months at around HK\$5.2 million (for RFS) and HK\$7.8 million (for SRFS) respectively. The total allocation of the two schemes in the second exercise amounts to around HK\$130 million.

RGC Public Lectures

To share the research findings with the community, researchers of RGC funded projects have been invited to deliver public lectures since April 2009. In the 2020/21 academic year, the RGC jointly held three RGC Public Lectures on “Enhancing Corporate Competitiveness in Hong Kong”, “STEM” and “Retirement Security for the Elderly in Hong Kong” with the Hong Kong Science Museum and the Hong Kong Central Library respectively. Public participation has been enthusiastic.

研資局博士後獎學金計劃

研資局博士後獎學金計劃於2019/20學年推行，旨在鼓勵博士畢業生投身研究工作，以及為具潛質的研究人員在事業里程早期提供支援。第二屆(2021/22)的50名獲獎者已於2021年4月接獲得獎通知。在36個月的計劃期內，每名得獎者每年可獲發放津貼以資助其博士後研究員基本薪金與會議及研究活動交通費用。首年津貼額為405,330港元，其後兩年的津貼額將根據相關條款，按政府統計處每年公布的綜合消費物價指數作出年度調整。

研資局研究學者計劃／ 研資局高級研究學者計劃

研資局研究學者計劃(RFS)及研資局高級研究學者計劃(SRFS)於2019/20學年推行，旨在為教資會資助大學裏卓越非凡的副教授級和教授級學者，提供教學及行政職務方面的持續支援，令他們可以專注於研究及發展工作。首屆(2020/21)的十名RFS獲獎者及十名SRFS獲獎者已於2021年初開展研究計劃。第二屆RFS及SRFS計劃(2021/22)的評選亦已於2021年上半年結束。研資局於2021年6月通過得獎名單，兩項計劃各有十名獲獎者，每名獲發放為期60個月的津貼，金額分別約為520萬港元(RFS)及780萬港元(SRFS)。兩項計劃第二屆的資助總額約為1.3億港元。

研資局公眾講座

為了與市民分享研究成果，研資局自2009年4月起定期舉辦公眾講座，邀請獲研資局資助的學者，向市民介紹他們的研究工作。研資局於2020/21學年分別與香港科學館及香港中央圖書館合辦共八場公眾講座，以「提升香港公司競爭力」、「科學、科技、工程及數學」及「香港長者退休保障」為題。市民反應熱烈。

RGC's Strategic Initiatives

The RGC is facing challenges arising, for example, from new and emerging research needs of the academic community and high expectation from the society on the standard of research integrity in publicly funded projects. To tackle these challenges, the RGC has taken a number of initiatives.

Phase II of the RGC Review which examined operational issues, such as application and assessment processes, was completed and the final report was released in October 2019. A total of 13 recommendations were made, covering the aims and objectives of funding schemes, assessment processes, time commitment of Principal Investigators, forms and documents, communication and engagement, open access policy, conflicts of interest and academic misconduct. The RGC formulated an implementation plan on the review recommendations in December 2019.

Good progress has been made with most of the measures implemented progressively. For example, a new RGC website was officially launched in August 2020 to establish an information platform with enhanced transparency and effectiveness. The review on the RGC documents and external reviewer (ER) database was completed in late 2020. Improvements to the RGC documents included improved language and tone, improved structure for navigation, reduced duplication, improved format and consistency, and improved transparency on reviewing process. The revised documentation would be launched in the 2022/23 funding exercise. Enhancements to the ER database, including removal of non-active ERs, systematic assessment of under-performing / non-active ERs etc., would be implemented in phases starting from the second half of 2021.

Upon consultation by the RGC, universities will set up an approval mechanism in the fourth quarter of 2021 to ensure the ethical standards of research projects involving artefacts. The RGC has completed the review on the open access policy and formulated the Open Access Plan to work with the universities for rolling out a series of initiatives by phases.

The RGC is proactively working on the remaining recommendations, which include continuing to enhance communication with the research community and launch more engagement activities, as well as developing a new electronic submission and processing system to enhance the efficiency of the Secretariat in handling applications and relevant documents in respect of various RGC funding schemes.

研資局的策略計劃

研資局正面對各項挑戰，例如學術界的新興研究需要，以及社會對監管受公帑資助研究項目的操守有很高的期望等。為應對這些挑戰，研資局已實行多項措施。

研資局已完成第二階段檢討工作，以檢視運作事宜，例如申請及審批程序等；並於2019年10月發表檢討的最終報告。報告提出共13項建議，涵蓋資助計劃的宗旨和目標、評審過程、首席研究員投放的時間、表格和文件、溝通和參與、開放取用政策、利益衝突，以及不當學術行為。研資局於2019年12月制訂行動計劃落實建議。

跟進行動計劃的工作進度理想，大部分措施已陸續落實。例如，新研資局網站已於2020年8月正式推出，以建立更透明和有效的資訊平台。有關研資局文件及外部評審員資料庫的檢討已於2020年年底完成。研資局文件的主要改動包括改善用語、改善結構以便於瀏覽、減少重複、改善格式和一致性，以及增加評審程序的透明度。修訂後的文件將於2022/23年度資助計劃採用。至於外部評審員資料庫的優化措施，包括刪除不活躍的評審員、有系統地評估表現欠佳或不活躍的評審員等，將於2021年下半年起分階段落實。

經研資局諮詢後，大學將於2021年第四季設立審核機制，以確保涉及文物之研究行為的操守水平。研資局已完成檢討開放取用政策，並已制訂新的開放取用計劃，與大學攜手合作，分階段推行一系列措施。

研資局正積極跟進餘下建議，包括繼續加強與研究界別溝通和增加界別參與的活動、開發新電子資料呈交及處理系統，以提升秘書處處理研資局各項資助計劃的申請及文件的工作效率等。

Foreword from the Chairman 主席序言

The RGC concluded the review of its three collaborative research funding schemes, namely, the Collaborative Research Fund, the Theme-based Research Scheme, and the Areas of Excellence Scheme, in December 2020. The review recommendations, supported by an annual budget of \$175 million, are implemented progressively from 2021 onwards, with a view to incentivising the UGC-funded universities to conduct more collaborative research across disciplines and / or institutions.

With the objective of strengthening coordination among government research funding agencies, the Liaison Group on Research (the Liaison Group), an interdepartmental platform, was set up in May 2019 as a follow-up on the recommendation of the Task Force on Review of Research Policy and Funding. Comprising representatives from the Education Bureau, the Environmental Protection Department, the Food and Health Bureau, the Innovation and Technology Commission, the Policy Innovation and Co-ordination Office, as well as the UGC Secretariat, the Liaison Group meets regularly to discuss issues of common interests regarding research policy and funding as well as any forms of collaboration among the research funding agencies, for the benefit of the research sector.

Pursuant to the endorsement of the Liaison Group, the UGC Secretariat has implemented three coordination initiatives, namely devising a technical solution to crack down duplicate applications, harmonising the open access policies among the funding agencies, and establishing a public information portal on the Government's research policy and funding support. The development phase of the technical solution was completed in March 2021 and a two-year of pilot run with five rounds of comparison checkings will then commence. The design of the Hong Kong Research Portal on Government's research policy and funding support is nearly completed and is expected to be soft launched by July 2021.

Last but not least, I would like to take this opportunity to express my heartfelt appreciation to our research colleagues who have devoted their very best to research in the past year, and have great pleasure in introducing the Annual Report for 2020/21.

研資局於2020年12月完成檢視其三項協作研究撥款計劃，包括「協作研究金」、「主題研究計劃」及「卓越學科領域計劃」，並已預留每年1.75億元，於2021年起逐步實施各項建議，藉以鼓勵教資會資助大學從事更多跨學科及／或跨院校的協作研究。

為加強政府研究資助機構之間的協調，政府根據檢討研究政策及資助專責小組的建議，於2019年5月成立研究聯絡小組（聯絡小組）。作為一個跨部門平台，聯絡小組由教育局、環境保護署、食物及衛生局、創新科技署、政策創新及統籌辦事處以及教資會秘書處的代表組成，並定期召開會議，在增進研究業界得益的前提下，於研究政策和資助的範疇內，討論各研究資助機構共同關心的議題，以及探討各種合作可能性。

在聯絡小組的支持下，教資會秘書處初步推行三項協調措施，包括以技術方案打擊重複資助申請、協調各資助機構的開放取用政策，以及建立網站以闡述政府有關研究的政策和資助。技術方案發展已於2021年3月完成並隨時開展為期兩年的五輪較對試行計劃。闡述政府有關研究政策和資助計劃的香港研究一站通網站設計亦接近完成，預計將於2021年7月試行推出。

最後，我謹此向過去一年每一個致力研究的同事致以由衷謝意，並提交《研究資助局2020/21年報》。

The Research Grants Council and its Organisation

研究資助局及其架構

The Research Grants Council

The Research Grants Council (RGC) is a non-statutory advisory council operating under the aegis of the University Grants Committee (UGC). It was formally established on 1 January 1991.

The RGC's members are appointed by the Chief Executive^{Note} of the Hong Kong Special Administrative Region (HKSAR) and comprise local, Mainland and overseas academics, local academics and local lay persons. All members are appointed on an ad personam basis. The RGC's membership for 2020/21 is listed in Appendix A.

Terms of Reference

The RGC's Terms of Reference are:

- To advise the HKSAR Government, through the UGC, on the needs of the institutions of higher education in Hong Kong in the field of academic research, including the identification of priority areas, in order that a research base adequate for the maintenance of academic vigour and pertinent to the needs of Hong Kong may be developed.
- To invite and receive, through the institutions of higher education, applications for research grants from academic staff and for the award of studentships and post-doctoral fellowships; to approve awards and other disbursements from funds made available by the HKSAR Government through the UGC for research; to monitor the implementation of such grants and to report at least annually to the HKSAR Government through the UGC.

Note: The HKSAR Chief Executive has delegated his authority to appoint the RGC members to the Secretary for Education.

研究資助局的組成

研究資助局(研資局)為大學教育資助委員會(教資會)轄下的非法定諮詢機構，於1991年1月1日成立。

研資局的成員由香港特別行政區行政長官委任^註，包括本地、內地及海外學者，以及本地的非學術界人士，所有成員均以個人身分獲委任。研資局2020/21年度的成員名單載於附錄A。

職權範圍

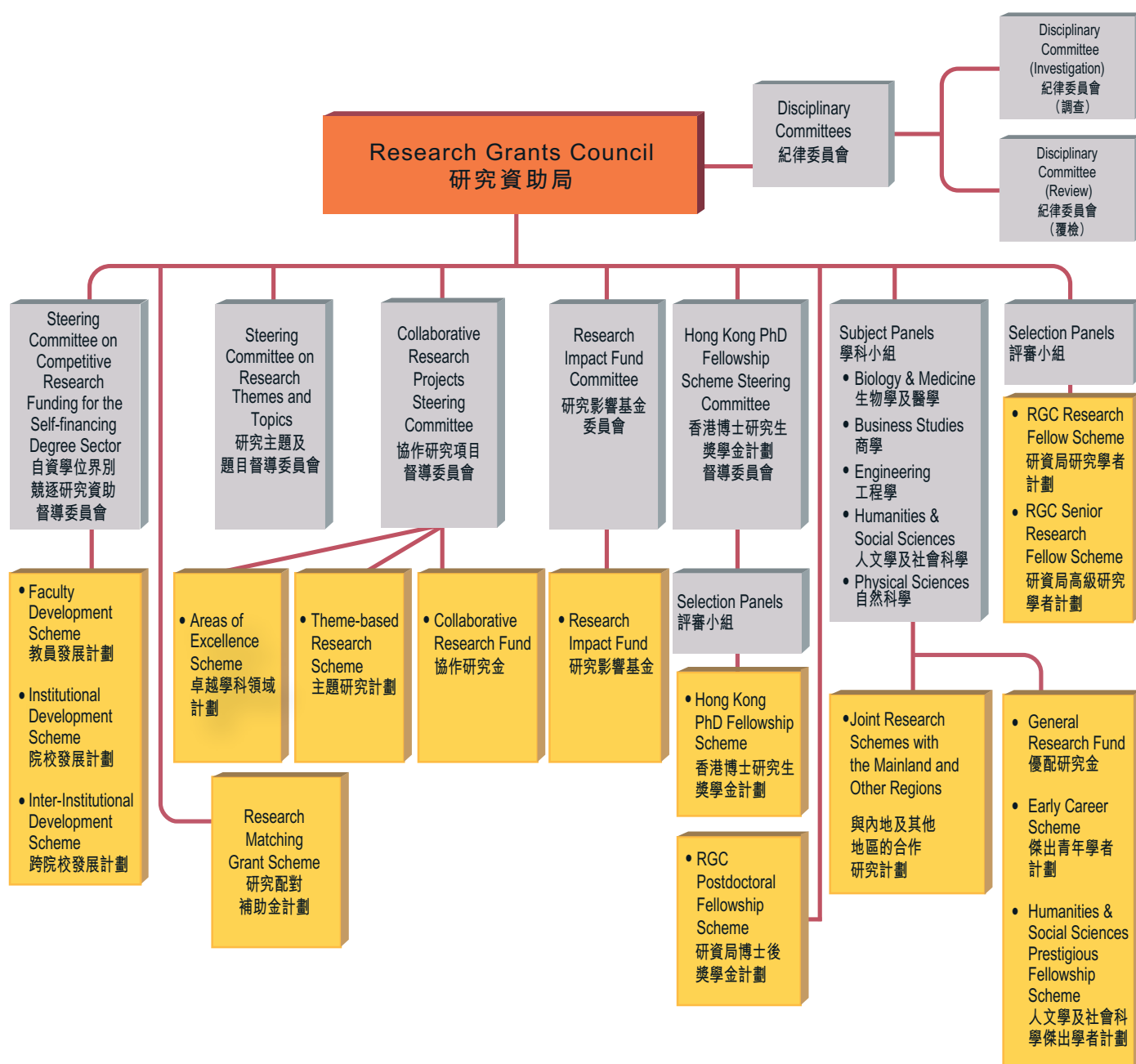
研資局的職權如下：

- 透過教資會，向香港特別行政區政府建議香港高等教育機構在學術研究上的需要，包括鑑定優先範圍，以發展一個足以維持學術蓬勃發展和合乎香港需要的學術研究基礎。
- 透過高等教育機構，邀請和接受學術人士申請研究資助以及各類研究生申請獎學金；將香港特別行政區政府透過教資會提供的經費撥作研究資助和其他有關支出之用。此外，並負責監管這些撥款的運用，以及最少每年一次透過教資會向香港特別行政區政府報告。

註：香港特別行政區行政長官授權教育局局長委任研資局的成員。

The Research Grants Council and its Organisation 研究資助局及其架構

Chart 1.1: RGC Organisational Structure
表 1.1：研資局的組織架構



RGC Research Funding Schemes 研資局研究資助計劃

<p>Individual Research 個人研究</p> <ul style="list-style-type: none"> • General Research Fund 優配研究金 • Early Career Scheme 傑出青年學者計劃 	<p>Collaborative Research 協作研究</p> <ul style="list-style-type: none"> • Collaborative Research Fund 協作研究金 • Areas of Excellence Scheme 卓越學科領域計劃 • Research Impact Fund 研究影響基金 • Theme-based Research Scheme 主題研究計劃 	<p>Fellowship 獎學金</p> <ul style="list-style-type: none"> • Humanities & Social Science Prestigious Fellowship Scheme 人文學及社會科學傑出學者計劃 • Hong Kong PhD Fellowship Scheme 香港博士研究生獎學金計劃 • RGC Postdoctoral Fellowship Scheme 研資局博士後獎學金計劃 • RGC Research Fellow Scheme 研資局研究學者計劃 • RGC Senior Research Fellow Scheme 研資局高級研究學者計劃
<p>Joint Research 合作研究</p> <ul style="list-style-type: none"> • National Natural Science Foundation of China (NSFC) / RGC Joint Research Scheme (JRS) 國家自然科學基金委員會及香港研究資助局聯合科研資助基金 • The French National Research Agency / RGC Joint Research Scheme 法國國家科研署與香港研究資助局合作研究計劃 • European Union (EU)-Hong Kong Research and Innovation Cooperation Co-funding Mechanism by RGC 歐洲聯盟(歐盟)與香港研究資助局研究及創新合作計劃 • Germany / Hong Kong Joint Research Scheme 德國與香港合作研究計劃 • PROCORE — France / Hong Kong Joint Research Scheme 法國與香港合作研究計劃 		<p>Schemes for Local Self-financing Degree Sector 本地自資學位界別競逐研究資助</p> <ul style="list-style-type: none"> • Faculty Development Scheme 教員發展計劃 • Inter-Institutional Development Scheme 跨院校發展計劃 • Institutional Development Scheme 院校發展計劃
<p>Others 其他</p> <ul style="list-style-type: none"> • Research Matching Grant Scheme 研究配對補助金計劃 		

How the Research Grants Council is Organised

The RGC works in close partnership with the UGC and advises and reports to the Government through the UGC on matters within its purview. The organisational structure of the RGC is presented in Chart 1.1.

The RGC normally meets twice a year, in June and December respectively. The June meeting mainly involves the allocation of research grants submitted under funding schemes such as the General Research Fund, the Early Career Scheme, the Humanities and Social Sciences Prestigious Fellowship Scheme, the Theme-based Research Scheme and the RGC Research Fellow Scheme / RGC Senior Research Fellow Scheme; and a preliminary consideration of new applications under the Areas of Excellence Scheme. The December meeting is usually devoted to examining resource allocation among various established and new funding initiatives for the following year; the allocation of research grants submitted under the Collaborative Research Fund, Research Impact Fund and the Areas of Excellence Scheme; and a preliminary consideration of new applications under the Theme-based Research Scheme.

Subject Panels

The following five Subject Panels assist the RGC in its work:

- Biology and Medicine
- Business Studies
- Engineering
- Humanities and Social Sciences
- Physical Sciences

The five subject panels are responsible for the evaluation of applications and monitoring the approved projects under the General Research Fund, the Early Career Scheme, the Humanities and Social Sciences Prestigious Fellowship Scheme and the Joint Research Schemes. These panels consist of academics both local and non-local.

The Subject Panels normally meet once in June every year before the RGC meetings, primarily to select applications for allocations as well as to monitor on-going projects and assess completed projects.

Applications for research grants are assessed through peer review by panel members and external reviewers, all of whom are recognized experts in their fields in or outside Hong Kong. The panels report to the RGC with recommendations on which projects should be funded after their meetings.

運作與架構

研資局與教資會緊密合作，就其職權範圍內的事務，透過教資會向政府提交建議及報告。研資局的架構，請參閱表 1.1。

研資局一般每年分別於6月及12月召開兩次會議。6月份的會議主要討論多項資助計劃如優配研究金、傑出青年學者計劃、人文學及社會科學傑出學者計劃、主題研究計劃及研資局研究學者計劃／研資局高級研究學者計劃的撥款建議，以及對卓越學科領域計劃的申請作初步考慮。而12月份的會議則討論原有及新增撥款計劃在下年度的資源分配，以及協作研究金、研究影響基金及卓越學科領域計劃的撥款建議，並對主題研究計劃的申請作初步考慮。

學科小組

以下五個學科小組輔助研資局的工作：

- 生物學及醫學
- 商學
- 工程學
- 人文學及社會科學
- 自然科學

這五個學科小組負責評審優配研究金、傑出青年學者計劃、人文學及社會科學傑出學者計劃及合作研究計劃等的申請建議書及監察獲資助的項目。學科小組的成員為本地學者及非本地學者。

學科小組一般於每年6月在研資局的會議舉行前召開會議，主要目的是審批撥款申請，並監察進展中項目的進度，以及對已完成項目進行評核。

學科小組的成員及外部評審員負責審批研究金的申請，他們均為有關學科的海內外學者。學科小組在會議後向研資局提交建議，推薦應獲得撥款的項目。

Collaborative Research Projects Steering Committee (formerly Major Projects Steering Committee)

Upon the recommendation by the CRWG, the RGC set up the Collaborative Research Projects Steering Committee in June 2021 to oversee the Areas of Excellence Scheme, the Collaborative Research Fund and the Theme-based Research Scheme. The terms of reference of the Steering Committee are as follows:

- (a) To report and give advice to the RGC on the three schemes;
- (b) To recommend funding decisions on the three schemes to the RGC;
- (c) To apportion the additional apportionable budget for strategic allocations to the three schemes; and
- (d) To monitor approved projects of the three schemes.

Steering Committee on Research Themes and Topics

The Steering Committee on Research Themes and Topics was established in November 2017 to advise the RGC on selection of appropriate themes and grand challenge topics for the Theme-based Research Scheme.

Research Impact Fund Committee

The Research Impact Fund was established in 2018 to encourage more impactful research and foster more collaborative efforts with stakeholders beyond academia.

The Research Impact Fund Committee is responsible for selecting proposals for funding support and will also be responsible for monitoring the funded projects.

協作研究項目督導委員會 (前身為大型研究項目督導委員會)

因應協作研究檢討小組的建議，研資局於2021年6月成立協作研究項目督導委員會監督卓越學科領域計劃、協作研究金及主題研究計劃。督導委員會的職權範圍如下：

- (一) 就三個協作研究計劃向研資局作出匯報及提供意見；
- (二) 就三個協作研究計劃的撥款決定向研資局提供建議；
- (三) 策略性分配額外資助金額予三個協作研究計劃；以及
- (四) 監察三個協作研究計劃的獲資助項目。

研究主題及題目督導委員會

研究主題及題目督導委員會於2017年11月成立，負責向研資局就主題研究計劃選取合適主題和具挑戰性題目提供意見。

研究影響基金委員會

研究影響基金成立於2018年，旨在鼓勵本地大學進行更具影響力的研究，並推動與學術界以外的持份者更多合作的機會。

研究影響基金委員會負責評審申請建議書，並將負責監察獲資助的項目。

Steering Committee on Competitive Research Funding for the Self-financing Degree Sector

The Steering Committee on Competitive Research Funding for the Self-financing Degree Sector was established in October 2013 to oversee the implementation details of the Faculty Development Scheme, the Inter-Institutional Development Scheme, and the Institutional Development Scheme, such as formation of assessment panel, formulation of application process and procedures, eligibility and assessment criteria, monitoring and assessment of approved projects, and to put forward funding recommendations for consideration by the RGC.

Hong Kong PhD Fellowship Scheme Steering Committee

The Hong Kong PhD Fellowship Scheme Steering Committee was established to steer and oversee the implementation of the scheme. The Committee comprises the RGC Chairman, one RGC Member, and one member from each UGC-funded university. This is to ensure that the scheme runs effectively and ties in with the student recruitment exercises of the universities.

Selection Panels

For assessment of nominations and selection of awardees under the RGC Research Fellow Scheme / RGC Senior Research Fellow Scheme, two selection panels are formed to serve the two broad academic streams separately;

- Humanities, Social Sciences and Business Studies (HSSB Panel)
- Science, Technology, Engineering and Mathematics (STEM Panel)

The two selection panels are formed by non-local members only to ensure impartiality and minimize conflicts of interest during the selection process.

The two selection panels formed under the Hong Kong PhD Fellowship Scheme are enlisted for assessment of nominations and selection of awardees under the RGC Postdoctoral Fellowship Scheme;

- Humanities, Social Sciences and Business Studies (H-Panel)
- Sciences, Medicine, Engineering and Technology (S-Panel)

The two panels consist of academics both local and non-local.

自資學位界別競逐研究資助督導委員會

自資學位界別競逐研究資助督導委員會於2013年10月成立，負責督導教員發展計劃、跨院校發展計劃及院校發展計劃推行的詳情，例如組成評審委員會、制定申請手續及處理程序、申請人資格及評核準則、監察及評核受資助的項目，以及提交撥款建議，供研資局考慮。

香港博士研究生獎學金計劃督導委員會

香港博士研究生獎學金計劃督導委員會成立的目的是在督導和監察計劃的推行。委員會由研資局主席、一名研資局成員及每間教資會資助大學一名成員組成，以確保這項計劃在配合大學的收生程序下得以順利推行。

評審小組

研資局研究學者計劃／研資局高級研究學者計劃的評核及遴選由兩大學科評審小組分別負責：

- 人文學、社會科學及商科 (HSSB小組)
- 科學、科技、工程及數學 (STEM小組)

兩個評審小組只由非本地學者組成，以保持中立，並將遴選過程中出現利益衝突的機會減至最小。

香港博士研究生獎學金計劃下的兩個評審小組，同時為研資局博士後獎學金計劃作評核及遴選：

- 人文學、社會科學及商科(H小組)
- 科學、醫學、工程及科技(S小組)

兩個評審小組的成員包括本地學者及非本地學者。

Disciplinary Committees

The RGC attaches great importance to research integrity. Researchers are expected to observe the highest standard of integrity in the conduct of their research funded under the funding schemes administered by the RGC. Any research misconduct found will be dealt with fairly and seriously. To this end, the RGC set up two Disciplinary Committees (DCs), namely DC (Investigation) and DC (Review) (formerly named as DC (Appeal)), to handle cases of alleged research misconduct and review cases.

The DC (Investigation) gives advice to the RGC on policies and procedures regarding the handling and investigation of alleged misconduct cases, recommends to the RGC on whether the allegations against the investigators should be substantiated and if substantiated, the level of penalty to be imposed on the investigators. The DC (Review) handles review cases if they arise and gives advice to the RGC on policies and procedures in handling review cases.

Membership details of various RGC committee / panels for 2020/21 are in Appendix C.

紀律委員會

研資局十分著重學術研究的操守，期望受資助項目的研究員在進行研究時遵守最高的操守標準。如發現任何不當研究行為，研資局定當公正及嚴肅地處理。為此，研資局成立了兩個紀律委員會，分別為紀律委員會(調查)和紀律委員會(覆檢(前稱紀律委員會(上訴))，以處理涉嫌不當研究行為和覆檢的個案。

紀律委員會(調查)就處理涉及不當研究行為的政策及調查程序向研資局提供意見，並就個案的指控是否成立，以及指控成立的個案的刑罰水平向研資局作出建議。紀律委員會(覆檢)就處理可能出現的覆檢個案，並就處理覆檢個案的政策及調查程序向研資局提供意見。

2020/21年度各研資局委員會／學科小組的成員名單詳列於附錄C。

Research Endowment Fund

Following the approval by the Finance Committee (FC) of the Legislative Council (LegCo) in June 2019, the fences of the different pots of the Research Endowment Fund (REF) have been lifted for more flexible and effective deployment of resources. A HK\$20-billion injection has been officially placed with the Hong Kong Monetary Authority (HKMA) in September 2019, increasing the size of REF to HK\$46 billion. The investment income generated from the injection will be used for (i) sustaining the level of research funding; (ii) providing funding for the Research Impact Fund (RIF) launched by the RGC to render continued funding support for impactful research; and (iii) providing additional funding for the RGC to encourage cross-institutional/cross-disciplinary collaborations through its collaborative research funding schemes.

Earmarked Research Grants

Part of the investment income of the Research Endowment Fund provides the source of funding to the Earmarked Research Grants to support research projects and research activities. It is the main form of funding from RGC for academic research in the eight UGC-funded universities and is allocated on a competitive basis.

The Earmarked Research Grants complement the Block Grants from the UGC, part of which provide universities with funds for research infrastructure and outlays such as researchers' salaries, laboratory costs and other expenses (e.g. accommodation and equipment) related to UGC or RGC-funded research.

In the 2020/21 academic year, the RGC allocated about HK\$1,117 million for the Earmarked Research Grants.

Theme-based Research Scheme

Part of the investment income of the Research Endowment Fund is deployed to support the Theme-based Research Scheme involving themes of a more long-term nature and strategically beneficial to the development of Hong Kong.

研究基金

隨着立法會財務委員會(財委會)於2019年6月通過建議，研究基金內不同款項的運用限制已獲撤除，讓我們能更有彈性及成效地調配資源。200億港元的注資已於2019年9月正式由香港金融管理局(金管局)作投資安排，令研究基金增加至460億港元。從注資所賺取的投資收入會用作(一)維持研究撥款水平；(二)為研究影響基金提供撥款，以持續資助具影響力的研究；及(三)為研資局的協作研究撥款計劃提供額外撥款，以鼓勵跨院校／跨學科協作。

研究用途補助金

研究用途補助金的資金來自研究基金中賺取的部份投資收益，用以資助研究項目及活動。研究用途補助金是研資局向本地八所受教資會資助大學發放以進行學術研究的主要資金，並會以競逐形式決定撥款水平。

研究用途補助金與教資會向各大學提供的整體補助金相輔相成。部份整體補助金可用作支付研究基礎設施、研究人員的薪酬、實驗室開支，以及教資會及研資局資助的其他研究項目的一般費用(例如辦公室地方及設備)。

於2020/21學年，經研資局所分配的研究用途補助金總額約為11.17億港元。

主題研究計劃

從研究基金賺取的部份投資收益，用作資助主題研究計劃，以進行較長期及策略上有利於香港發展的主題研究。

Tuition Waiver for Local Research Postgraduate (RPg) Students

Part of the investment income of the Research Endowment Fund will be deployed to provide non-means-tested tuition waiver for all local students enrolled in UGC-funded RPg programmes commencing from 2018/19 academic year, so as to incentivise more local students to pursue RPg programmes to build up a pool of local research talents to sustain Hong Kong's competitiveness and propel the development of the higher education sector.

Competitive Research Funding Schemes for Local Self-financing Degree Sector

Part of the investment income of the Research Endowment Fund is deployed to support the Faculty Development Scheme, the Inter-Institutional Development Scheme and the Institutional Development Scheme to develop the research capacity of the local self-financing degree sector.

Research Impact Fund

Starting from 2020/21 exercise, part of the investment income of the Research Endowment Fund is deployed to support RIF to encourage more impactful research and foster more collaborative efforts with stakeholders beyond academia.

UGC Funds

Areas of Excellence Scheme

The Areas of Excellence Scheme was launched by the UGC in 1998 to enable the UGC-funded universities to build upon their existing strengths and develop them into areas of excellence. The scheme is administered by the RGC. The funding of around HK\$100 million per annum is provided by the UGC.

Hong Kong PhD Fellowship Scheme

Established in 2009 by the RGC, the Hong Kong PhD Fellowship Scheme aims at attracting the best and brightest students in the world to pursue their PhD programmes in Hong Kong's UGC-funded universities.

本地研究生學費豁免計劃

從研究基金賺取的部份投資收益，由2018/19學年開始為修讀教資會資助研究院研究課程的所有本地學生提供免入息審查學費豁免，以鼓勵更多本地學生報讀研究院研究課程，從而培育本地研究專才，以維持香港的競爭力，並推動本港高等教育界別的發展。

本地自資學位界別競逐研究資助計劃

從研究基金中賺取的部份投資收益，用作資助教員發展計劃、跨院校發展計劃及院校發展計劃，以發展本地自資學位界別的研究能力。

研究影響基金

由2020/21年度起，從研究基金賺取的部份投資收益，用作資助研究影響基金，以鼓勵研究人員積極考慮更具影響力的研究項目，並促進他們與學術界以外的持份者合作。

教資會撥款

卓越學科領域計劃

教資會於1998年推出卓越學科領域計劃，旨在鞏固及發揮香港在研究方面的現有優勢，並使其發展為卓越學科領域。計劃由研資局負責管理。教資會現時為計劃每年提供約1億港元撥款。

香港博士研究生獎學金計劃

研資局於2009年成立香港博士研究生獎學金計劃。此項計劃旨在吸引世界各地優秀的研究生，來港在教資會資助大學修讀以研究為本的博士學位課程。

The Fellowship provides a monthly stipend and an annual conference and research related travel allowance for the awardees for a period of three years. The amounts of monthly stipend and annual travel allowance for 2020/21 academic year are HK\$26,600 and HK\$13,300 respectively. Thereafter, such amount will be adjusted annually before the start of academic year.

Research Matching Grant Scheme

With the funding approval of HK\$3-billion by the LegCo's FC in June 2019, the Research Matching Grant Scheme (RMGS) has been opened for applications with effect from 1 August 2019. The RMGS aims to allow the sector to diversify research funding sources and incentivise more contribution and collaboration from the private sector. Donations / funding from non-government / non-public sectors secured by an individual university / institution for research-related purposes are eligible for matching. Applications from eight UGC-funded universities and 13 local self-financing degree-awarding institutions are processed in cycles on a quarterly basis.

RGC Postdoctoral Fellowship Scheme

Introduced in the 2019/20 academic year, the RGC Postdoctoral Fellowship Scheme (PDFS) aims to encourage doctoral graduates in pursuing career in research and provide promising researchers with support at a pivotal in their very early career, so as to ensure a supply of talent with scientific and research skills for research and development in Hong Kong.

The PDFS provides support to awardees for a period of 36 months in terms of full-time appointment as a postdoctoral fellow (PdF) at a UGC-funded university in each round of the yearly exercise. For each awardee, the supporting university will receive an annual stipend to cover the awardee's basic salary as well as a conference and research-related travel allowance throughout the 36-month fellowship period.

獎學金將為獲獎的博士研究生提供每月津貼，以及每年會議及研究活動交通津貼，為期三年。在2020/21學年，每月津貼及每年交通津貼分別為2.66及1.33萬港元，有關的津貼水平會於每學年初進行調整。

研究配對補助金計劃

隨着立法會財委會於2019年6月通過撥款30億港元，新設立的研究配對補助金計劃已於2019年8月1日起公開接受申請。計劃旨在讓高等教育界的研究經費來源更趨多元化，及積極推動私營機構提供研發開支和捐款，並加強協作。大學／院校從非政府／非公營界別籌得用以應付與研究相關開支的私人捐款或資助，均符合資格申請政府配對補助金。8間教資會資助大學及13間本地自資學位頒授院校遞交的申請，會以每個季度作一申請周期逐期處理。

研資局博士後獎學金計劃

研資局博士後獎學金計劃於2019/20學年推行，旨在鼓勵博士畢業生投身研究工作，以及為具潛質的研究人員在事業里程早期提供支援，以培育、挽留及擴大研究人才庫，支持香港推動研發及培養研究文化。

研資局博士後獎學金計劃每年資助獲獎者，於教資會資助大學受聘為全職博士後研究員，為期36個月。獎學金在計劃期間，每年為獲獎者提供津貼，資助其基本薪金與會議及研究活動交通津貼。

RGC Research Fellow Scheme/ RGC Senior Research Fellow Scheme

Introduced in the 2019/20 academic year, the RGC Research Fellow Scheme (RFS) and RGC Senior Research Fellow Scheme (SRFS) aim at providing sustained support and relief from teaching and administrative duties for exceptionally outstanding academics at UGC-funded universities in Hong Kong, with a view to facilitating their full dedication to research and development.

RFS and SRFS, in each round of the annual exercise, provide sustained support to awardees at Associate Professor level / full Professor level respectively, with a fellowship grant covering a fellowship period of 60 months to meet salary costs for relief teachers and related research expenses including staff, equipment, travel, subsistence and dissemination costs.

研資局研究學者計劃／ 研資局高級研究學者計劃

研資局研究學者計劃及研資局高級研究學者計劃於2019/20學年推行，旨在為教資會資助大學裏卓越非凡的副教授級和教授級學者，提供教學及行政職務方面的持續支援，令他們可以專注於研究及發展工作。

兩項計劃每年頒發獎項，分別資助副教授級和教授級獲獎者，於60個月資助期間獲發放經費，聘任替假老師及支付研究項目開支，包括聘任研究人員、購置器材設備、公幹旅費、膳宿津貼及發表研究成果的費用等。

Research Funding Schemes and RGC Activities

研究資助計劃及研資局的工作

RGC Activities funded by Research Endowment Fund

研資局由研究基金資助的工作總覽

HIGHLIGHTS 提要

In the 2020/21 academic year, the total funding available for the Earmarked Research Grants was about HK\$1,117 million.

2020/21學年研究用途補助金總額約為11.17億港元。

Allocation of the Earmarked Research Grants: 2020/21 Academic Year

2020/21學年 研究用途補助金的分配

How the Earmarked Research Grants were Allocated

研究用途補助金的具體分配

The bulk of Earmarked Research Grants funding was allocated by the RGC in response to competitive bids received from the universities. Funding was budgeted for six broad categories as follows:

研資局研究用途補助金主要透過競爭形式撥予各大學成功申請資助計劃的研究項目。研究用途補助金撥款預算主要分為六大類別：

- HK\$788 million in response to competitive bids received under the annual General Research Fund exercise. To cater for special research needs in specific areas, funding has been earmarked to support special needs under the General Research Fund:
 - “Clinical Research Fellowship” to support young medical fellows conducting clinical research.
 - “Employment of Relief Teacher under the Humanities and Social Sciences Disciplines” to free up the Principal Investigators’ time for personal research and writing.
 - “Provision of Research Experience for Undergraduate Students” to provide undergraduate students with opportunities of working with researchers of the General Research Fund projects and gaining research experience.
- 7.88億港元撥予成功申請本年度的優配研究金的項目。為支持某些範疇在研究上的特別需要，優配研究金計劃設立指定用途的款項，以資助有關的需要：
 - 為支持年輕臨床醫學人員進行臨床醫學研究而設的「臨床醫學研究資助計劃」。
 - 「聘請替假教師安排」專為人文學及社會科學的研究項目而設，其目的是提供資助讓首席研究員聘請替假教師代替其教學工作，以騰出工作時間從事研究及寫作。
 - 「本科生研究津貼」為本科生提供機會與獲優配研究金資助的項目研究人員共同工作，讓他們汲取研究經驗。

Research Funding Schemes and RGC Activities

研究資助計劃及研資局的工作

- HK\$115 million reserved for the Early Career Scheme to support and nurture junior new academics with a view to attracting the best junior faculty academics to strengthen the teaching-research nexus.
- HK\$146 million reserved for the Collaborative Research Fund to strengthen the research base, and support group research proposals that promote academic collaboration among universities and synergy between research teams.
- HK\$57 million reserved for the Joint Research Schemes established with other regions.
- HK\$10 million reserved for the Humanities and Social Sciences Prestigious Fellowship Scheme to enhance support to research in disciplines under the Humanities and Social Sciences Panel.
- HK\$0.8 million for the Research Postgraduate Students Conference/Seminar Grants to support inter-institutional and inter-disciplinary exchanges among postgraduates and to provide opportunities for them to meet and interact with overseas scholars.
- 1.15億港元撥作傑出青年學者計劃，用於支持及培育新進的青年學者，以吸引最傑出的青年學者加強發展教學研究紐帶。
- 1.46億港元撥作協作研究金，用於鞏固研究基礎，以及資助由不同大學及研究隊伍共同參與的集體合作研究項目，以鼓勵大學在學術上的合作及發揮協同效應。
- 5,700萬港元撥款，供與其他地區合辦的合作研究計劃之用。
- 1,000萬港元撥作人文學及社會科學傑出學者計劃，為人文學及社會科學學科的學者提供更佳支援。
- 80萬港元撥作支持研究生進行跨院校及跨學科的交流活動，以及與海外學者會面及交流。

HIGHLIGHTS 提要

In the 2020/21 academic year, the total General Research Fund allocation was HK\$777 million, supporting 1 058 projects. As at 30 June 2021, the number of on-going projects is 3 895.

在2020/21學年，優配研究金撥款總額達7.77億港元，資助研究項目達1 058個。截至2021年6月30日，3 895個資助研究項目仍在進行中。

General Research Fund

Altogether, 2 872 proposals across a wide range of subject disciplines were received under the General Research Fund exercise, seeking grants totaling HK\$2.79 billion. The bids were initially reviewed by external reviewers, and then assessed by the relevant Subject Panels.

Following rigorous peer review via the RGC's international network of external reviewers, on advice from the Subject Panels, the RGC approved allocating an amount of HK\$777 million to support 1 058 projects with an average grant of about HK\$0.73 million in the 2020/21 academic year. The overall success rate is 37%.

Allocation of the General Research Fund for the 2020/21 academic year by broad subject category is summarised in Chart 3.1.

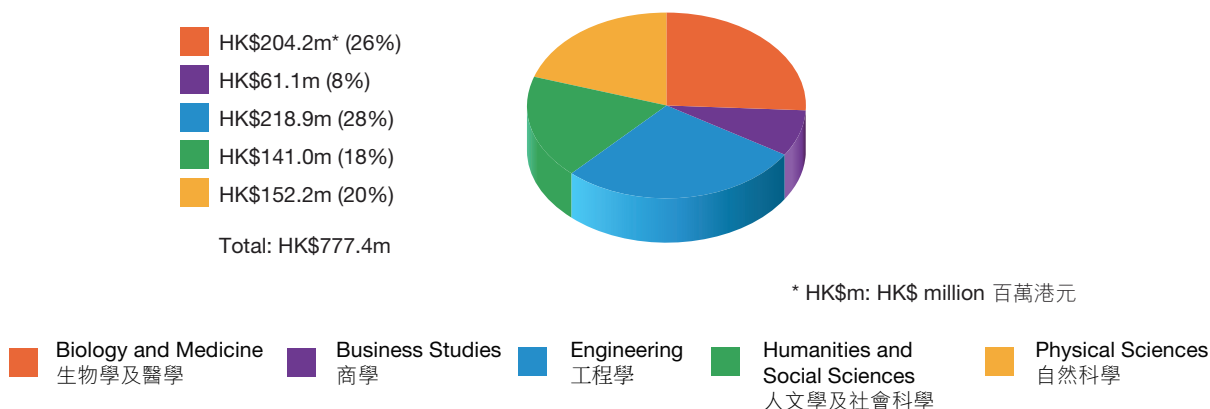
優配研究金

是年度向研資局申請優配研究金的研究項目共2 872個，研究範圍廣泛，申請金額達27.9億港元。申請先由外部評審員評審，再由有關的學科小組作出審閱。

經研資局的外部評審員國際網絡進行嚴格學者評審後，研資局根據學科小組的意見，於2020/21學年撥出7.77億港元予1 058個研究項目，平均每個項目約獲撥款73萬港元，整體成功率為37%。

表3.1列出2020/21學年各學科所獲優配研究金的分配。

Chart 3.1: Allocation of the General Research Fund by Broad Subject Category in the 2020/21 Academic Year
表3.1：2020/21學年各學科所獲優配研究金的分配



Note: Figures may not add up to the total due to rounding.

註：由於進位原因，合計之數未必等於全部數字的總和。

Research Funding Schemes and RGC Activities

研究資助計劃及研資局的工作

- ***Clinical Research Fellowship***

The RGC awarded research fellowship to support young clinicians in undertaking clinical research. The scheme has been implemented in close partnership with the two local universities which offer medical training (i.e. The Chinese University of Hong Kong and The University of Hong Kong) and is part of the overall efforts to create more opportunities for promising clinicians to be exposed to and to engage in clinical research.

Under the scheme, a supported fellow would be awarded an annual grant equally contributed by the RGC and the hosting university for up to three years to undertake and complete a clinical research project. The amount of fellowship award for each application is capped at HK\$1.2 million per year.

- ***Employment of Relief Teacher under the Humanities and Social Sciences Disciplines***

The objective of this funding support is to address the special needs of the Humanities and Social Sciences academics. The humanities and social sciences projects normally require employment of relief teachers to free up the Principal Investigators' time for personal research and writing, rather than funding for research assistants and research infrastructure (e.g. equipment). The duration of employment of relief teachers normally ranges from four to a maximum of 12 months for a typical 24 to 36-month project.

- ***Provision of Research Experience for Undergraduate Students***

This scheme is to provide undergraduate students with opportunities of working with researchers of the General Research Fund projects and gaining research experience. Principal Investigators can include the provision of a monthly allowance of up to HK\$2,500 to an undergraduate student helper for a maximum period of ten months for each General Research Fund application. The universities have agreed to provide the same amount of allowance to the students as the RGC on a matching basis so as to allow more students to benefit from the scheme.

- ***臨床醫學研究資助計劃***

研資局在優配研究金中，提供研究獎助金，以支持年輕臨床醫學人員進行臨床醫學研究。該計劃乃與香港中文大學及香港大學兩家提供醫療訓練的本地大學緊密合作推行，致力為具潛質的臨床醫學人員提供更多機會，以參與及從事臨床醫學的研究。

此計劃讓獲資助者每年獲得由研資局及所屬大學提供相等份額的撥款，最多資助三年，以從事及完成臨床醫學研究計劃。此計劃每個申請的資助金額上限為每年120萬港元。

- ***人文學及社會科學學科的聘用替假教師安排***

此計劃設立的目的是為照顧人文學及社會科學學者的特別需要。這些學科的研究項目多涉及個人研究或撰寫工作，需要首席研究員騰出工作時間來進行，並非可以聘用研究助理或購置研究設施來完成，故需聘請替假教師代替其教學工作，以騰出時間從事研究及寫作。一般而言，24至36個月的研究項目可申請聘用四個月至最多12個月的替假教師。

- ***本科生研究津貼***

此計劃為本科生提供與優配研究金獲資助研究項目的研究人員一同工作的機會，讓他們汲取研究經驗。首席研究員可於申請建議書中申請為本科生提供為期最多十個月，每月2,500港元的津貼。大學亦已同意提供與研資局相等份額的撥款，令更多本科生受惠。

HIGHLIGHTS 提要

In the 2020/21 academic year, the total Early Career Scheme allocation approved was HK\$108 million supporting 163 projects. As at 30 June 2021, the number of on-going projects is 591.

在2020/21學年，傑出青年學者計劃撥款總額約1.08億港元，資助研究項目達163個。截至2021年6月30日，591個資助研究項目仍在進行中。

Early Career Scheme

The Early Career Scheme aims at nurturing new junior faculty members.

A total of 414 proposals were received under the Early Career Scheme, seeking grants totaling HK\$343 million. Like the bids for the General Research Fund, the bids were first reviewed by external reviewers, and then assessed by the relevant Subject Panels.

Following rigorous peer review via the RGC's international network of external reviewers, on advice from the Subject Panels, the RGC awarded an amount of HK\$108 million to support 163 projects with an average grant of about HK\$0.66 million in the 2020/21 academic year. The overall success rate is 39%.

Allocation of the Early Career Scheme for the 2020/21 academic year by broad subject category is summarised in Chart 3.2.

傑出青年學者計劃

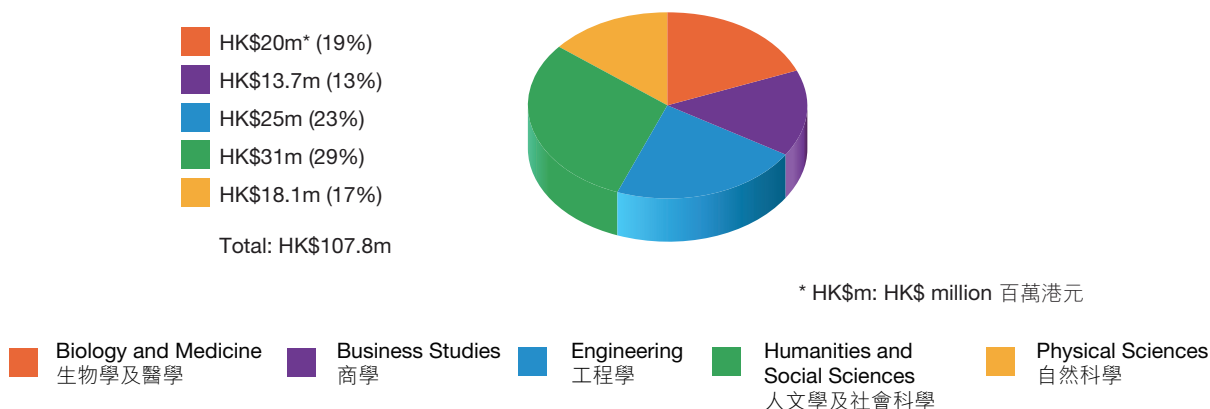
傑出青年學者計劃的目的旨在培育新進的青年學者。

傑出青年學者計劃接獲研究項目申請共414個，申請金額達3.43億港元。與優配研究金的申請相同，申請會先由外部評審員評審，再由有關的學科小組作出審閱。

經研資局的外部評審員國際網絡進行嚴格學者評審後，研資局根據學科小組的意見，於2020/21學年撥出1.08億港元予163個研究項目，平均每個項目約獲撥款66萬港元。整體成功率為39%。

表3.2列出2020/21學年各學科所獲傑出青年學者計劃的分配。

Chart 3.2: Allocation of the Early Career Scheme by Broad Subject Category in the 2020/21 Academic Year
表3.2：2020/21學年各學科所獲傑出青年學者計劃的分配



Note: Figures may not add up to the total due to rounding.

註：由於進位原因，合計之數未必等於全部數字的總和。

Research Funding Schemes and RGC Activities

研究資助計劃及研資局的工作

HIGHLIGHTS

提要

In the 2020/21 academic year, the total Collaborative Research Fund allocation was HK\$296 million supporting 56 projects, including a one-off additional funding of \$150 million for supporting 27 projects related to COVID-19 and other novel infectious diseases. As at 30 June 2021, the number of on-going projects is 108.

在2020/21學年，協作研究金撥款總額為2.96億港元，資助研究項目達56個，當中包括1.5億港元的一次性額外撥款，以資助27個與2019冠狀病毒病及其他新型傳染病相關的集體研究項目。截至2021年6月30日，108個資助研究項目仍在進行中。

Collaborative Research Fund

The Collaborative Research Fund (CRF) is provided to the UGC-funded universities for group research activities that operate across disciplines and / or normal institutional boundaries, or the procurement of major research facilities and / or equipment or library collections to support collaborative research.

The CRF exercise adopts a two-stage application process consisting of submission of preliminary and full proposals. In the 2020/21 academic year, the RGC received a total of 175 preliminary proposals, consisting of 160 group research applications and 15 equipment bids, seeking grants totaling HK\$1,214 million and HK\$79 million respectively.

After a peer review process and interviews of selected research teams by the Collaborative Research Fund Committee (CRFC), 29 full proposals were eventually funded at a total amount of HK\$146 million.

In addition, in response to the COVID-19 pandemic and its evolving global impact, the UGC allocated a one-off additional funding of \$150 million under CRF in May 2020 to support the UGC-funded sector in conducting research related to COVID-19 and other novel infectious diseases (NIDs). The research community responded actively and swiftly to the one-off CRF COVID-19 and NID Research Exercise. Among the 174 full group research proposals received, 27 were funded at a total amount of \$150 million, with ten of them under the biology and medicine disciplines, eight under business studies and humanities & social sciences and nine under engineering & physical sciences.

In light of the encouraging response, the UGC further allocated an additional \$100 million one-off funding to launch the Second round one-off COVID-19 and NID Research Exercise in January 2021, in conjunction with the regular CRF 2021/22 exercise.

協作研究金

協作研究金向教資會資助大學提供資助，讓大學進行跨學科及／或跨院校而具合作性的集體研究工作，或購置大型研究設備、儀器或圖書館資料以進行協作研究。

協作研究金計劃採用兩個階段的申請程序，包括提交初步及正式研究計劃書。研資局於2020/21學年共接獲175份初步計劃書，包括160項資助集體合作研究的申請及15份購置器材的申請，申請資助額分別為12.14億港元及7,900萬港元。

經過學者評審及協作研究金委員會與個別研究隊伍會面後，研資局落實資助其中29項申請，資助總額為1.46億港元。

此外，因應2019冠狀病毒病疫情及其帶來的全球性影響，教資會於2020年5月額外撥出一次性的1.5億港元，透過協作研究金資助教資會資助界別進行與2019冠狀病毒病及其他新型傳染病相關的集體研究項目。研究界別反應積極及迅速。在收到的174份正式研究計劃書中，最終有27個研究項目獲得資助，資助總額為1.5億港元，包括十個關於生物學及醫學、八個關於商業、人文科學及社會科學，以及九個關於工程學及自然科學的研究項目。

有見學術界反應正面，教資會於2021年1月增撥1億元一次性撥款，推出第二輪協作研究金2019冠狀病毒病及新型傳染病一次性研究計劃，並與協作研究金2021/22年度計劃同時接受申請。

Research Funding Schemes and RGC Activities 研究資助計劃及研資局的工作

From the 2008/09 academic year onwards, the RGC holds an annual CRF Symposium for on-going funded projects to facilitate exchange of views among the CRFC members, research teams and researchers from various universities.

Due to the pandemic, CRF Symposium for funded projects in the CRF 2018/19 exercise was changed to private meetings with project teams in virtual settings in February 2021. 15 on-going projects funded in the 2018/19 academic year presented their mid-term research progress to the CRF Committee in the private meetings.

由2008/09學年起，研資局為進行中的研究項目舉辦周年協作研究金研討會，以促進協作研究金委員會委員與研究隊伍及不同大學的研究人員的交流。

受疫情影響，協作研究金資助項目研討會改於2021年2月以視像會議形式進行。在會議中，15個於2018/19學年獲資助的研究項目向協作研究金委員匯報項目的進度。

HIGHLIGHTS 提要

In the 2020/21 academic year, the total Joint Research Schemes allocation was HK\$49.52 million for the Joint Research Schemes with different regions supporting 66 joint projects. As at 30 June 2021, the number of on-going projects is 225.
在2020/21學年，研資局與不同地區分別合辦的合作研究計劃撥款總額為4,952萬港元，共資助66個研究合作項目。截至2021年6月30日，225個資助研究項目仍在進行中。

Joint Research Schemes

Project Grants

- **National Natural Science Foundation of China (NSFC) / RGC Joint Research Scheme (JRS)**

The National Natural Science Foundation of China / RGC Joint Research Scheme was launched in November 1998. The scheme aims to promote collaboration in research between researchers / research teams in Hong Kong and their counterparts in Mainland China, in areas of common interest to complement each other's strengths. There are six focus areas:

- Information Technology
- Life Science
- Management Science
- Marine and Environmental Science
- Medicine
- New Materials Science

The scheme provides funding to support actual expenses, inclusive of passage and subsistence. In the 2020/21 academic year, a total of 213 eligible preliminary research proposals and three applications for conference grants were received, seeking a total of HK\$256 million of RGC grants. After shortlisting, and in consultation with the National Natural Science Foundation of China, 86 research proposals were selected for submission of full proposals.

Following a peer review process and detailed discussions by the Joint Selection Committee comprising experts from both the National Natural Science Foundation of China and the RGC, 30 research proposals were selected for funding support at a total amount of HK\$34.7 million. Moreover, two conference proposals were selected for funding by the RGC at HK\$300,000.

合作研究計劃

項目補助金

- **國家自然科學基金委員會及香港研究資助局聯合科研資助基金**

研資局與國家自然科學基金委員會於1998年11月成立聯合科研資助基金。此計劃旨在促進香港與內地的研究人員或隊伍在雙方具有共同興趣的範圍上展開合作研究，以收相輔相成之效。資助的合作範疇為以下六個重點領域：

- 信息科學
- 生物科學
- 管理科學
- 海洋與環境科學
- 醫學科學
- 新材料科學

此計劃支持研究的實際開支，包括交通及生活費。計劃於2020/21學年內共收到213份合資格的初步研究建議書以及三個會議項目的申請，申請金額約2.56億港元。經研資局與國家自然科學基金委員會的甄選，86個研究項目獲選可提交具體建議書。

申請經由學者評審，並經過國家自然科學基金委員會與研資局共同組成的聯合甄選委員會詳細討論，決定對30個研究項目提供資助，資助總額為3,470萬港元。另外，研資局亦資助了兩個會議項目，資助額為30萬港元。

Research Funding Schemes and RGC Activities 研究資助計劃及研資局的工作

- ***The French National Research Agency/RGC Joint Research Scheme***

Launched in the 2012/13 academic year, this scheme aims to further strengthen the collaboration between French and Hong Kong research communities in areas of mutual interest.

In the 2020/21 academic year, 30 eligible applications were received, seeking total RGC grants of HK\$80.48 million. Following a peer review process and rigorous selection by the experts from the French National Research Agency and the RGC, three proposals were selected for funding support with total RGC grants of HK\$7.86 million.

- ***European Union (EU)-Hong Kong Research and Innovation Cooperation Co-funding Mechanism by RGC***

Launched in the 2016/17 academic year and formerly known as the European Commission/RGC Collaboration Scheme, this scheme supports the participation of researchers in universities funded by the UGC in Hong Kong in joint research projects conducted under the framework of the European Union's "Horizon 2020". Both research project proposals in science disciplines (viz. biology and medicine, engineering and physical sciences) and exchange proposals in all disciplines are accepted.

In the 2020/21 academic year, one round of exercise was held. 4 applications were received, seeking about HK\$10.4 million of RGC grants. Two applications were supported with total RGC grants of HK\$4.5million. The second round of exercise, being the final call under the collaboration agreement with EU's "Horizon 2020", was launched in December 2020 with application deadline extended to July 2021 so as to capture all eligible projects selected by the EU.

- ***法國國家科研署與香港研究資助局合作研究計劃***

本計劃於2012/13學年推出，旨在進一步加強香港與法國的科研人員就兩地有共同興趣領域上的合作。

在2020/21年度，研資局共收到30份合資格的申請，申請金額約8,048萬港元。經學者評審及研資局與法國國家科研署的嚴格甄選後，選出三份申請批予資助。研資局合共批出786萬港元。

- ***歐洲聯盟(歐盟)與香港研究資助局研究及創新合作計劃***

本計劃於2016/17學年推出，之前名為「歐洲委員會與研究資助局合作計劃」，旨在推動歐盟與香港兩地學者的學術研究及合作，並資助香港研究人員參與在歐盟「地平線2020」框架下的合作研究項目。此合作計劃接受研究項目(適用於生物學及醫學、工程學及自然科學等學科)及交流項目(適用於所有學科)的申請。

於2020/21學年，研資局進行了一輪計劃，收到四份申請，申請金額約1,040萬港元，最終兩份申請獲批資助，資助總額為450萬港元。第二輪計劃為歐盟「地平線2020」框架下的合作協議的最後一輪計劃。該輪計劃於2020年12月展開，截止申請日期延至2021年7月，以確保所有合資格已獲歐盟甄選的項目可提交申請。

Travel / Conference Grants

- **Germany/Hong Kong Joint Research Scheme**

In the 1996/97 academic year, in collaboration with the German Academic Exchange Service (DAAD), the RGC launched a joint research scheme to encourage collaborative research between scholars in Germany and Hong Kong.

The grants provide researchers with passage and a subsistence allowance for a maximum period of two years, enabling them to visit their counterparts to discuss or conduct research. The scheme is operated on an annual basis.

In the 2020/21 academic year, 29 applications covering a wide range of subjects were received, seeking about HK\$2.06 million of RGC grants. Experts from both Hong Kong and Germany jointly selected 17 research proposals for about HK\$1.19 million RGC grants.

- **PROCORE – France/Hong Kong Joint Research Scheme**

In 1998, the RGC and the French Consulate in Hong Kong agreed to launch a joint research scheme to encourage and promote scientific collaboration between France and Hong Kong by providing grants for researchers to make exchange visits.

In the 2020/21 academic year, a total of 25 applications were received. Among these applications, 22 were travel grant requests and three were conference / workshop grants applications. The total amount of RGC grants sought was about HK\$1.96 million.

Of these, 12 applications including 11 travel grants and one conference / workshop grant were approved, with about HK\$0.97 million RGC grants awarded.

旅費／會議補助金

- **德國與香港合作研究計劃**

1996/97學年，研資局與德國學術交流協進會合作，推出合作研究計劃，促進德國與香港學者合作進行研究。

撥款用於支付研究人員為期最多兩年的交通及生活津貼，讓兩地的研究人員攜手合作，商討及進行研究。此計劃每年進行一次遴選。

在2020/21學年，雙方共接獲的申請有29份，涵蓋學科甚為廣泛，申請金額約206萬港元。本港及德國的學者最終共同選出17份申請予以資助，研資局給予的資助金額約119萬港元。

- **法國與香港合作研究計劃**

1998年，研資局與法國駐港領事館協議合辦此項合作研究計劃，資助研究人員互訪交流，藉以鼓勵及促進法國與香港合作進行科學研究。

2020/21學年，雙方共接獲25份申請，其中22份是旅費補助金申請，其餘三份是會議／工作坊補助金申請。申請金額約196萬港元。

在上述申請中，共有12份申請獲得撥款，其中11份是旅費補助金申請，一份是會議／工作坊補助金申請，研資局批出的資助金額約97萬港元。

HIGHLIGHTS 提要

In the 2020/21 academic year, HK\$2.82 million was awarded to support eight prestigious investigators under the Humanities and Social Sciences Prestigious Fellowship Scheme. As at 30 June 2021, the number of on-going projects is 27.
在2020/21學年，人文學及社會科學傑出學者計劃撥出282萬港元資助八名傑出學者。截至2021年6月30日，27個資助研究項目仍在進行中。

Humanities and Social Sciences Prestigious Fellowship Scheme

The Humanities and Social Sciences Prestigious Fellowship Scheme was implemented to enhance support to research in disciplines under the Humanities and Social Sciences Panel. The fellowship not only provides resources for the employment of relief teachers, but also cost of travel, subsistence and dissemination of outputs.

After rigorous peer review via the RGC's international network of external reviewers, on the advice of the Selection Committee, the RGC awarded an amount of HK\$2.82 million to support eight prestigious investigators with an average fellowship of about HK\$0.35 million in the 2020/21 academic year. The overall success rate is 31%.

人文學及社會科學傑出學者計劃

人文學及社會科學傑出學者計劃的目的是為人文學及社會科學學科的學者提供更佳支援。計劃不單提供資源聘請替假老師，還包括旅費、生活津貼及發表研究結果的費用。

經研資局的外部評審員國際網絡進行嚴格學者評審後，研資局根據遴選委員會的意見，於2020/21學年撥出282萬港元資助八名傑出學者，平均每名約35萬港元。整體成功率為31%。

HIGHLIGHTS 提要

In the 2020/21 academic year, amidst the COVID-19 pandemic, the RGC received no applications for the Research Postgraduate Students Conference/Seminar Grants. The RGC will continue to accept applications in the coming year.

在2020/21學年，由於2019冠狀病毒病肆虐，研資局未有收到有關研究生會議／研討會補助金的申請。研資局在來年會繼續接受有關補助金的申請。

Research Postgraduate Students Conference / Seminar Grants

The grant is provided to support and promote inter-institutional and inter-disciplinary exchanges among postgraduate students of the UGC-funded universities, and to provide opportunities for postgraduate students of these universities to meet and interact with eminent scholars from outside Hong Kong.

Specifically, the scheme aims to facilitate the organisation of locally held inter-institutional conferences / seminars targeted at postgraduate students.

The grant is given in the form of travel grants to cover the travel and associated costs of inviting visiting scholars to attend and speak at conferences / seminars in Hong Kong.

研究生會議／研討會補助金

是項補助金是為支持及促進教資會資助大學的研究生進行跨院校及跨學科交流而設，亦資助研究生與海外的卓越學者會面及交流。

是項計劃旨在資助於本地舉行，並以研究生為對象的跨院校會議及研討會。

補助金以補助旅費的形式發放，用以支付邀請學者來港出席會議／研討會及發表演說所需的旅費及有關開支。

HIGHLIGHTS 提要

In the 2020/21 academic year, the Theme-based Research Scheme allocated HK\$230 million to support seven projects. As at 30 June 2021, the number of on-going projects is 36.
在2020/21學年，主題研究計劃撥款總額達2.3億港元，資助共七個研究項目。截至2021年6月30日，36個資助研究項目仍在進行中。

Theme-based Research Scheme

The objective of the Theme-based Research Scheme (TRS) is to focus academic research efforts of the UGC-funded universities on themes of strategic importance to the long-term development of Hong Kong.

The current four themes^{Note} for the TRS are:

- (a) Promoting Good Health;
- (b) Developing a Sustainable Environment;
- (c) Enhancing Hong Kong's Strategic Position as a Regional and International Business Centre; and
- (d) Advancing Emerging Research and Innovations Important to Hong Kong.

After a review by the RGC in 2018, the Government approved to add three new grand challenge topics, namely "Food Production and Food Security", "Financial Technologies (FinTech) and Regulatory Technologies (RegTech)" and "Artificial Intelligence", starting from the ninth round exercise. Currently, there are a total of 19 grand challenge topics under the four themes.

The SCRTT will commence a second round of review on themes and grand challenge topics in September 2021. Any proposed revisions will be submitted to the RGC for consideration in December 2021.

The funding ceiling under this scheme is HK\$75 million per project for up to five years.

The Tenth Round exercise was held in the 2020/21 academic year. A total of 52 preliminary proposals were received, seeking RGC grants of HK\$2.6 billion. After preliminary selection and a vigorous peer-review process, the RGC allocated HK\$230 million to support seven projects.

Note: In 2009, Education Bureau (EDB) established the Steering Committee for Research Themes (SCRT) to advise the Government on the selection of themes for TRS. In November 2017, the RGC took up the responsibility and set up the Steering Committee on Research Themes and Topics (SCRTT) to give advice on the selection of themes and grand challenge topics. Decisions regarding research themes and grand challenge topics continue to rest with the Government.

主題研究計劃

主題研究計劃的目的是集中教資會資助大學的學術研究力量，對香港長遠發展具策略重要性的主題進行研究。

現時主題研究計劃的四個主題^註分別為：

- (a) 促進健康；
- (b) 建設可持續發展的環境；
- (c) 加強香港作為地區及國際商業中心的策略性地位；及
- (d) 促進對香港起重要作用的新興研究及創新項目。

經過研資局於2018年的檢討後，政府批准由第九輪計劃起增加三個新的具挑戰性題目，包括「食物生產及食物安全」、「金融科技及監管科技」及「人工智能」。現時，四個主題下共設有19個具挑戰性題目。

研究主題及題目督導委員會將於2021年9月就研究主題及具挑戰性題目進行第二輪檢討。修訂建議將於2021年12月提交至研資局以供考慮。

每項主題研究計劃年期最長為五年，每項申請的資助上限為7,500萬港元。

第十輪計劃於2020/21學年舉行。研資局共收到52份初步建議書，申請金額約26億港元。經過初步篩選及嚴格學者評審後，研資局撥款約2.3億港元，資助共七個研究項目。

註：在2009年，教育局成立研究主題督導委員會，就挑選研究主題向政府提供意見。在2017年11月，研資局接手有關工作，並成立研究主題及題目督導委員會，就挑選研究主題及具挑戰性題目提供意見。研究主題和具挑戰性題目仍然由政府作出決定。

HIGHLIGHTS 提要

In the 2020/21 academic year, the RGC provided about HK\$86.50 million for the three competitive research funding schemes for the local self-financing degree sector supporting 83 research projects. As at 30 June 2021, the number of on-going projects is 204.

在2020/21學年，研資局就三項供本地自資學位界別競逐的研究資助計劃撥款總額約8,650萬港元，共資助83個研究項目。截至2021年6月30日，204個資助研究項目仍在進行中。

Competitive Research Funding Schemes for the Local Self-financing Degree Sector

The RGC launched three research funding schemes for the local self-financing degree sector, namely the Faculty Development Scheme, the Inter-Institutional Development Scheme and the Institutional Development Scheme (IDS). Starting from the Sixth Round exercise, the IDS was branched out into the Research Infrastructure Grant and the Collaborative Research Grant.

The Seventh Round exercise was held in the 2020/21 academic year. Results were announced in September 2020. Following the completion of the Seventh Round exercise, the Eighth Round exercise started in November 2020. A total of fifteen local self-financing degree-awarding institutions^{Note} were eligible for the three funding schemes in the Eighth Round exercise. The results of the Eighth Round exercise will be announced in September 2021.

Faculty Development Scheme (FDS)

The Faculty Development Scheme aims at developing the research capability of individual academics in the institutions so that they can transfer their research experiences and new knowledge into teaching and learning. In the 2020/21 exercise, HK\$56.96 million was granted to 69 research projects out of 266 applications.

本地自資學位界別競逐研究資助計劃

研資局為本地自資學位界別推出三項研究資助計劃，名為教員發展計劃、跨院校發展計劃及院校發展計劃。從第六輪計劃起，院校發展計劃分為研究基礎設施撥款和協作研究撥款。

第七輪計劃已於2020/21學年舉行。申請結果已於2020年9月公布。隨着第七輪計劃的結束，第八輪計劃已在2020年11月展開。共有十五所本地可頒授學位的自資院校^註符合參與上述三項研究資助計劃的資格。第八輪計劃的申請結果將於2021年9月公布。

教員發展計劃

教員發展計劃旨在幫助院校的個別教學人員發展研究能力，使他們能將研究經驗和新知識轉移至教與學的層面。在2020/21年度，本計劃共收到266份申請，其中69份研究計劃獲得資助，總額為5,696萬港元。

Note: Caritas Institute of Higher Education, Centennial College, Chu Hai College of Higher Education, Gratia Christian College, The Hang Seng University of Hong Kong, Hong Kong Shue Yan University, The Open University of Hong Kong, Tung Wah College, HKCT Institute of Higher Education, Hong Kong Nang Yan College of Higher Education, Hong Kong Baptist University - School of Continuing Education, The Hong Kong Polytechnic University - School of Professional Education and Executive Development, Technological and Higher Education Institute of Hong Kong, UOW College Hong Kong and Yew Chung College of Early Childhood Education.

註：明愛專上學院、明德學院、珠海學院、宏恩基督教學院、香港恒生大學、香港樹仁大學、香港公開大學、東華學院、港專學院、香港能仁專上學院、香港浸會大學－持續教育學院、香港理工大學－專業進修學院、香港高等教育科技學院、香港伍倫貢學院及耀中幼教學院

Inter-Institutional Development Scheme (IIDS)

The Inter-Institutional Development Scheme aims at enhancing academics' research capability in the institutions and keeping them abreast of new developments, and challenging research topics in relevant fields through organisation of workshops, seminars or short courses by an institution or jointly between institutions. In the 2020/21 exercise, 19 applications were received and eight of them were awarded HK\$3.70million.

Institutional Development Scheme (IDS)

Research Infrastructure Grant

The Institutional Development Scheme (IDS) Research Infrastructure Grant aims at building up the research capacity of the institutions in their strategic areas through the provision of physical research facilities, infrastructure and other kinds of support. Of the seven proposals received in the 2020/21 exercise, four projects were supported with a total grant of HK\$ 14.79 million.

Collaborative Research Grant

The IDS Collaborative Research Grant aims at encouraging and supporting collaborative research involving two or more self-financing institutions, and / or group research activities that operate across disciplines within an institution with a view to enhancing the research output of self-financing institutions in terms of the level of attainment, quality, dimensions and / or speed. Of the nine proposals received in 2020/21 exercise, two projects were supported with a total grant of HK\$11.05 million.

跨院校發展計劃

跨院校發展計劃則旨在提升院校教學人員的研究能力，透過個別院校籌組或與其他院校合辦的工作坊、研討會或短期課程，使他們在各自的專研範疇涉獵最新的發展和充滿挑戰的研究專題。在2020/21年度共收到19份申請，合共批出370萬港元資助八份計劃。

院校發展計劃

研究基礎設施撥款

院校發展計劃研究基礎設施撥款旨在透過提供具體研究設施、支援研究的基礎建設及其他形式的支援，建立院校在其策略發展範疇的研究能力。在2020/21年度共收到七份申請，最後共批出1,479萬港元資助四份計劃。

協作研究撥款

院校發展計劃協作研究撥款旨在鼓勵及協助頒授本地自資學位院校進行合作研究，包括涉及兩間或以上自資院校及／或個別院校內不同學科的合作研究，從而在學術水平、質素、領域及／或進度上提升自資院校的研究成果。在2020/21年度共收到九份申請，最後共批出1,105萬港元資助兩份計劃。

RGC Activities funded by UGC Funds 研資局由教資會撥款的工作總覽

HIGHLIGHTS 提要

In the 2020/21 academic year, the Areas of Excellence Scheme allocated HK\$277 million to support four projects. As at 30 June 2021, the number of on-going projects is 13.

在2020/21學年，卓越學科領域計劃撥款總額達2.77億港元，資助共四個研究項目。截至2021年6月30日，13個資助研究項目仍在進行中。

Areas of Excellence Scheme

With an annual budget of about HK\$100 million, the Areas of Excellence (AoE) Scheme supports research projects of similar scale as the TRS. Proposals from all disciplines falling outside the scope of the topics of the TRS may be submitted under this scheme. The prevailing funding ceiling is HK\$60 million per project for up to eight years.

The Ninth Round exercise was held in the 2020/21 academic year. A total of 20 eligible preliminary proposals were received, seeking grants of HK\$1.5 billion. After preliminary selection and a vigorous peer-review process, the RGC allocated HK\$277 million to support four projects.

卓越學科領域計劃

卓越學科領域計劃的資助金額預算約為每年1億港元，提供資助予與主題研究計劃規模相約的計劃。所有涉及主題研究計劃題目範圍以外的建議書均可申請卓越學科領域計劃的撥款。在這個計劃下每個項目的資助金額上限約為6,000萬港元，年期最長為八年。

第九輪計劃於2020/21學年舉行。研資局共收到20份合資格初步建議書，申請金額約15億港元。經過初步篩選及嚴格學者評審後，研資局撥款約2.77億港元，資助共四個研究項目。

HIGHLIGHTS 提要

Research Impact Fund was established in 2018. 128 preliminary proposals, seeking HK\$727 million, were received in the fourth round exercise. 45 proposals were shortlisted for submission of full proposals.

研究影響基金於2018年成立。研資局於第四輪計劃共接獲128份初步建議書，申請資助總額為7.27億港元。當中45份獲篩選提交具體建議書。

Research Impact Fund

The Research Impact Fund (RIF) was established in 2018 to encourage the local academics to consider and articulate the potential of research to deliver benefit for the wider community and also to encourage a greater volume of collaborative research beyond academia.

The RIF exercise adopts a two-stage application process consisting of submission of preliminary and full proposals. In the fourth round exercise, the RGC received a total of 128 preliminary proposals seeking HK\$727 million.

After evaluation by the Research Impact Fund Committee (RIFC), 45 proposals were shortlisted for submission of full proposals. These proposals will be peer-reviewed and further shortlisted for interview by the RIFC. It is anticipated that the funding results will be announced in December 2021.

研究影響基金

研究影響基金於2018年成立，旨在鼓勵本地學者積極考慮潛在的研究效益，使更廣泛的社區能夠受惠，並鼓勵開展更多學術界以外的研究合作。

研究影響基金計劃採用兩個階段的申請程序，包括提交初步及具體建議書。研資局於第四輪申請共接獲128份初步建議書，申請資助總額為7.27億港元。

經研究影響基金委員會評審後，篩選出45份提交具體建議書。研究影響基金委員會將進行學者評審，以進一步篩選該批具體建議書並與個別研究隊伍進行會面。預計撥款結果將於2021年12月公佈。

HIGHLIGHTS 提要

In the 2020/21 academic year, the Hong Kong PhD Fellowship Scheme awarded 250 top students from 37 countries/regions.

在2020/21學年，香港博士研究生獎學金計劃頒發獎學金予來自全球37個國家及地區共250位優秀學生。

Hong Kong PhD Fellowship Scheme

The Hong Kong PhD Fellowship Scheme was launched in September 2009 to attract the best and brightest students in the world, irrespective of their country of origin, prior work experience and ethnic background, to pursue their PhD studies and research in the UGC-funded universities.

In the Eleventh Round exercise, 250 top students from 37 countries / regions received the award. By the deadline in December 2020, over 6 700 applicants from 108 countries/regions submitted full applications for the Twelfth Round exercise.

In light of the very good quality of the HKPFS graduates, the number of fellowship places of the HKPFS was increased from 250 to 300 for the Twelfth Round (for 2021/22 intake) and subsequent exercises.

This prestigious scheme will unite top international research postgraduate students and Hong Kong's world class universities.

香港博士研究生獎學金計劃

香港博士研究生獎學金計劃於2009年9月推出，目的是吸引世界各地最優秀及出色的研究生前來教資會資助大學就讀博士研究生課程，而不論其國籍、工作經驗和種族背景。

第十一屆香港博士研究生獎學金計劃的得主為250位來自全球37個國家及地區的優秀學生。而至2020年12月的報名截止日期，6 700多名來自108個國家及地區的申請者就第十二輪計劃提交正式申請書。

由於獎學金計劃畢業生的質素優良，第十二屆（於2021/22學年取錄）及之後屆別獎學金計劃的得獎名額已由250個增加至300個。

這個備受推崇的計劃將會把來自各地的研究生尖子，匯集於香港的世界級學府。

HIGHLIGHTS

提要

After the seventh processing cycle, matching grant at a total amount of HK\$1.52 billion has been disbursed to 18 participating universities/institutions under the Research Matching Grant Scheme, with one university reaching the matching ceiling of \$500 million and a total of six universities and one institution reaching the matching floor of \$50 million.

第七個申請期結束後，研究配對補助金計劃已發放共15.2億港元配對補助金予18所參與大學／院校。目前有一間大學已獲發放5億元「預設上限」的配對補助金，並已有六間大學及一間院校獲取超過5,000萬元「最低款額」的配對補助金。

Research Matching Grant Scheme

The Research Matching Grant Scheme (RMGS) was launched on 1 August 2019 with HK\$3-billion funding, aiming to allow the sector to diversify research funding sources and incentivise more contribution and collaboration from the private sector.

Donations / funding from non-government / non-public sectors secured by an individual university / institution for research-related purposes are eligible for matching. Applications from eight UGC-funded universities and 13 local self-financing degree-awarding institutions are processed in cycles on a quarterly basis.

After the seventh processing cycle, donation / sponsorship / research contract applied for matching has amounted to about HK\$2.55 billion in total. Matching grant at a total amount of \$1.52 billion has been disbursed to participating universities / institutions accordingly. So far, one university has reached the matching ceiling of \$500 million, and six universities and one institution have reached the matching floor of \$50 million. The remaining balance available for matching stood at about HK\$1.48 billion after seven processing cycles.

研究配對補助金計劃

研究配對補助金計劃於2019年8月1日推行，涉資30億港元。計劃旨在讓高等教育界的研究經費來源更趨多元化，及積極推動私營機構提供研發開支和捐款，並加強協作。

計劃期內，大學／院校從非政府／非公營界別籌得用以應付與研究相關開支的私人捐款或資助，均符合資格申請政府配對補助金。8間教資會資助大學及13間本地自資學位頒授院校遞交的申請，會以每個季度作一申請周期逐期處理。

第七個申請期結束後，配對的申請已涉及共約25.5億港元捐款／贊助／研究合約。經審批後，我們已發放共15.2億港元配對補助金予有關大學／院校。目前有一間大學已獲發放5億元「預設上限」的配對補助金，並已有六間大學及一間院校獲取超過5,000萬元「最低款額」的配對補助金。第七個申請期結束後，可供大學／院校繼續申請的配對補助金餘額約有14.8億港元。

HIGHLIGHTS 提要

Introduced in the 2019/20 academic year, the RGC Postdoctoral Fellowship Scheme awarded 50 fellowships in the second exercise (2021/22) to attract and retain research talent as postdoctoral researchers at UGC-funded universities in Hong Kong.

研資局博士後獎學金計劃於2019/20學年推行，第二屆計劃(2021/22)頒發50個獎學金名額，吸引及挽留研究人才，在香港教資會資助大學任博士後研究員。

RGC Postdoctoral Fellowship Scheme

The RGC Postdoctoral Fellowship Scheme (PDFS) has been introduced in the 2019/20 academic year, aiming to encourage doctoral graduates in pursuing career in research and provide promising researchers with support at a pivotal time in their very early career, so as to ensure a supply of talent with scientific and research skills for research and development in Hong Kong.

This newly introduced fellowship scheme is being well received, with 89 strong candidates in the second exercise (2021/22) from top universities internationally as well as UGC-funded universities. In addition to nominees from Hong Kong and the Mainland, we have nominees from Australia, Austria, Canada, Ghana, India, Italy, Pakistan, Poland, Russia, South Korea, Turkey, the United Kingdom and the United States of America.

Among the second cohort of 50 PDFS awardees, 25 are from the Humanities, Social Sciences and Business Studies disciplines, and 25 from the Science, Medicine, Engineering and Technology disciplines. They should all start the 36-month fellowship with a full-time postdoctoral fellow (PdF) appointment at their respective supporting university within the year of 2021. Each awardee will be supported with annual stipends to cover their basic salary as PdF as well as conference and research-related travel allowance throughout the 36-month fellowship period. The first annual stipend is at \$405,330, subject to the relevant terms and conditions, the annual stipend for the subsequent years will be adjusted according to the Composite Consumer Price Index announced by the Hong Kong Census and Statistic Department.

We look forward to receiving more nominations from universities in future exercises.

研資局博士後獎學金計劃

研資局博士後獎學金計劃於2019/20學年推行，旨在鼓勵博士畢業生投身研究工作，以及為具潛質的研究人員在事業里程早期提供支援，以培育、挽留及擴大研究人才庫，支持香港推動研發及培養研究文化。

此項新計劃備受歡迎，第二屆計劃(2021/22)吸引來自國際頂尖大學及本地教資會資助大學的89名優秀參選者。除了本港及內地，候選人亦有來自澳洲、奧地利、加拿大、加納、印度、意大利、巴基斯坦、波蘭、俄羅斯、南韓、土耳其、英國及美國。

第二屆50名獲獎者中，有25名屬人文學、社會科學及商科範疇，25名屬科學、醫學、工程及科技範疇。獲獎者均須於2021年內於其所屬的資助大學開展為期36個月的博士後研究員聘約。每名獲獎者每年可獲津貼以資助其博士後研究員基本薪金與會議及研究活動交通費用。首年津貼額為405,330港元，其後兩年的津貼額將根據相關條款，按政府統計處每年公布的綜合消費物價指數作出年度調整。

我們期望各大學的提名數字於可見將來會更益上升。

HIGHLIGHTS 提要

Introduce in the 2019/20 academic year, the second exercise (2021/22) of RGC Research Fellow Scheme and RGC Senior Research Fellow Scheme will award 10 fellowships each to exceptionally outstanding academics at UGC-funded universities in Hong Kong, with total allocation amounting to around HK\$130 million.

研資局研究學者計劃及研資局高級研究學者計劃於2019/20學年推行，第二屆計劃(2021/22)將各頒發10個獎項予教資會資助大學裏卓越非凡的學者，資助總額約為1.3億港元。

RGC Research Fellow Scheme / RGC Senior Research Fellow Scheme

The RGC Research Fellow Scheme (RFS) and RGC Senior Research Fellow Scheme (SRFS) have been introduced in the 2019/20 academic year, aiming to provide sustained support and relief from teaching and administrative duties for exceptionally outstanding academics at UGC-funded universities in Hong Kong, with a view to facilitating their full dedication to research and development.

The debut exercise (2020/21) of ten RFS and ten SRFS awardees has started their RFS / SRFS research projects on 1 January 2021. Each RFS and SRFS awardee are supported with a fellowship grant covering a period of 60 months at around HK\$5.2 million and HK\$7.8 million respectively. The total allocation of the two schemes in the debut exercise amounts to around HK\$130 million.

We received 32 nominations for RFS and 34 for SRFS in the second exercise (2021/22) competing for the ten RFS and ten SRFS awards. Upon the completion of peer-review assessment, shortlisted nominees were invited for interviews by the respective selection panel via video-conferencing in May / June 2021. The selection panels commended highly on the quality of the nominees and the research proposals submitted, as well as the enthusiasm displayed by the finalists during their interviews.

Recommendations of the RFS awardees (two from Humanities, Social Sciences and Business Studies (HSSB) disciplines, and eight from Science, Technology, Engineering and Mathematics (STEM) disciplines) and SRFS awardees (four from HSSB and six from STEM disciplines) were endorsed by the RGC in June 2021. All awardees are to start the research project on 1 January 2022. Each RFS and SRFS awardee will be supported with a fellowship grant covering a period of 60 months at around HK\$5.2 million and HK\$7.8 million respectively.

The total allocation of the two schemes in the second exercise amounts to around HK\$130 million.

研資局研究學者計劃／ 研資局高級研究學者計劃

研資局研究學者計劃(RFS)及研資局高級研究學者計劃(SRFS)於2019/20學年推行，旨在為教資會資助大學裏卓越非凡的副教授級和教授級學者，提供教學及行政職務方面的持續支援，令他們可以專注於研究及發展工作。

首屆計劃(2020/21)的十名RFS獲獎者及十名SRFS獲獎者已於2021年初開展研究計劃。每名獲獎者獲發放為期60個月的津貼，金額分別約為520萬港元(研資局研究學者計劃)及780萬港元(研資局高級研究學者計劃)。兩項計劃首屆資助總額約為1.3億港元。

第二屆計劃(2021/22)分別收到32宗RFS及34宗SRFS提名，競逐各十個獎項。完成同儕評審後，進入最後入圍名單的參選者獲邀接受遴選小組的面試。面試透過視像會議方式，於2021年5月及6月進行。遴選小組高度讚賞獲提名的候選人及其高水平的研究提案，並喜見最後入圍的候選人在面試中展現熱忱。

遴選小組推薦的研資局研究學者計劃獲獎者(兩名屬人文學、社會科學及商科範疇，八名屬科學、科技、工程及數學範疇)，及研資局高級研究學者計劃獲獎者(四名屬人文學、社會科學及商科範疇，六名屬科學、科技、工程及數學範疇)，得獎名單已獲得研資局於2021年6月通過及確認。每名獲獎者須於2022年1月1日開始計劃下的研究項目，並獲發放為期60個月的津貼，金額分別約為520萬港元(研資局研究學者計劃)及780萬港元(研資局高級研究學者計劃)。

兩項計劃第二屆的資助總額約為1.3億港元。

Successful Stories on the Funded Research 撥款研究項目的成功故事

Areas of Excellence Scheme

Center for Nasopharyngeal Carcinoma Research

The Center for Nasopharyngeal Carcinoma (NPC) Research aimed to strengthen collaborations between the NPC and Epstein-Barr virus (EBV) experts in basic science, clinical practice and translational studies to improve overall understanding and clinical care for NPC patients. The team established important resources for the NPC / EBV international research community, including an NPC Tissue Bank, new EBV + NPC cell lines and animal models for drug testing, and an NPC Cell Line Repository for NPC and immortalized normal nasopharyngeal epithelium cell lines.

Well-characterized new EBV + NPC cell lines provided excellent models for basic functional studies and preclinical evaluation of novel therapeutics. They were used to examine the role of the tumor microenvironment and clinical responses. Understanding the genetic basis of NPC by identifying key genes and pathways driving NPC development and metastatic spread provided diagnostic biomarkers and therapeutic targets.

The team utilized next-generation sequencing (NGS) to elucidate genes associated with NPC genetic susceptibility and identified the MST1R gene associated with early-age onset NPC. Novel non-HLA genetic loci together with the MHC region associated with NPC risk or protection were identified. Host immune dysregulation by EBV and EBV presentation to the immune system played important roles in genetic susceptibility. The NGS studies also identified genetic variants of genes in the NF- κ B pathway crucial in NPC. Epidemiological multi-center NPC case-control studies showed vitamin D deficiency and smoking associate with increased NPC risk, while milk consumption associated with decreased risk. The studies showed declines of salted fish consumption could not fully explain decreased NPC incidence.

卓越學科領域計劃

鼻咽癌研究中心

鼻咽癌研究中心致力於加強鼻咽癌(NPC)與愛潑斯坦－巴爾病毒(EBV)相關的專家們在基礎科學、臨床實踐和轉化研究等各方面的合作，以增進對鼻咽癌這疾病的整體理解及改善對其患者的臨床護理。團隊為國際鼻咽癌及愛潑斯坦－巴爾病毒研究界建立了各種重要資源，包括鼻咽癌病人組織庫、可用於藥物測試的新型愛潑斯坦－巴爾病毒陽性鼻咽癌細胞系及其動物模型、以及包含鼻咽癌和永生化正常鼻咽上皮細胞系的相關細胞系庫。

經過詳細描述及研究的新型愛潑斯坦－巴爾病毒陽性鼻咽癌細胞系為新療法的基礎功能研究和臨床前評估提供了出色的模型；它們已被用於研究腫瘤微環境及其對臨床反應的影響。團隊通過識別驅動鼻咽癌發展和轉移擴散的關鍵基因及通路來深入瞭解鼻咽癌的遺傳基礎，並可進一步辨認出診斷生物標誌物和治療靶點。

團隊運用次世代定序(NGS)技術來辨識與鼻咽癌遺傳易感性相關的基因，並據此識別出與早發性鼻咽癌相關的MST1R基因。團隊鑒定出全新的非人類白細胞抗原(HLA)基因位點以及與鼻咽癌風險及保護相關的主要組織相容性複合體(MHC)區域。愛潑斯坦－巴爾病毒所引起的宿主免疫失調及該病毒在免疫系統中的呈現皆于遺傳易感性中起著重要作用。次世代定序研究還識別出對鼻咽癌起關鍵作用的核因數活化B細胞 κ 輕鏈增強子(NF- κ B)通路相關基因之遺傳變異。流行病學多中心鼻咽癌病例對照研究表明，缺乏維他命D與吸煙均與患鼻咽癌之風險相關；反之牛奶的攝入則與低風險有關聯。研究並表明魚類醃製食物消耗量的下降並不能完全解釋鼻咽癌發病率的降低。

EBV immortalized and drove normal nasopharyngeal epithelium cells to develop into NPC. The EBV studies included targeting EBV in NPC animal models with specific inhibitors. The team examined EBV genome diversity in the saliva of NPC patients and healthy individuals to identify high-risk NPC EBV variants. NPC pathogenesis was also studied using our EBV-infected and uninfected cell lines, immortalized cell lines, as well as genetically engineered EBV, to identify NPC development pathways. EBV BART biomarker and functional studies were performed. The team found EBV-associated histone marks also played an important role in host gene expression leading to NPC.

Basic cancer studies examined how cell replication, chromosome aberrations and DNA replication contributed to tumorigenesis. Study of protein-protein interactions, functions and regulation of yeast and human DNA replication-initiation proteins led to the discovery of essential features of DNA replication that might be good drug targets. Biomarker studies focused on plasma circulating EBV DNA, BARTs, circulating tumor cells, EBV serology, and methylated markers to determine their usefulness for non-invasive screening for early disease, recurrence, and distant metastasis to improve diagnosis and monitoring the efficacy of NPC treatments. Improved tumor imaging parameters distinguished recurrent NPC vs post-radiotherapy fibrosis to spare over-treatment of patients and identified novel imaging parameters for risk stratification and prognostication. Preclinical drug studies identified novel useful NPC treatment agents and targeted cancer stem cells and EBV to improve treatment outcomes. Clinical studies aimed to optimize late stage metastatic NPC patient treatment to improve survival outcomes.

愛潑斯坦－巴爾病毒可使正常鼻咽上皮細胞永生並驅動其發展成鼻咽癌。該病毒的相關研究包括了在鼻咽癌動物模型中使用針對該病毒的特定抑制劑之研究。團隊檢查鼻咽癌患者及健康個體之唾液中愛潑斯坦－巴爾病毒基因組的多樣性，以鑒別出與高危鼻咽癌相關的病毒變異體。團隊並使用了經愛潑斯坦－巴爾病毒感染及未感染的鼻咽癌細胞系、永生化上皮細胞系，以及經基因工程改造的愛潑斯坦－巴爾病毒，對鼻咽癌的發病機制進行了研究，以辨識鼻咽癌之發展途徑。團隊亦對愛潑斯坦－巴爾病毒之BART生物標誌物和功能性進行了研究。研究發現與愛潑斯坦－巴爾病毒相關的組蛋白標記在導致鼻咽癌產生的宿主基因表達中也起著重要作用。

基礎癌症研究調查了有關細胞複製、染色體畸變和去氧核糖核酸複製等在促進腫瘤發生中所起的作用。在對酵母和人類的去氧核糖核酸複製起始蛋白的蛋白質－蛋白質相互作用、其功能、及相關調控所進行的研究，團隊識別出可作為優良藥物靶標之去氧核糖核酸複製的基本特徵。生物標誌物研究集中於血漿中的愛潑斯坦－巴爾病毒去氧核糖核酸、病毒BART、循環腫瘤細胞、愛潑斯坦－巴爾病毒血清學和甲基化標誌物，以鑒定它們用於早期疾病發生、復發及遠端轉移的非侵入性篩查的有效性以及對於改善診斷和監測鼻咽癌治療的功效。經改良的腫瘤成像參數可區分復發性鼻咽癌和放療後的組織纖維化，以避免對患者的過度治療；該研究並識別出可用於風險分層和預測後的新成像參數。臨床前藥物研究成功辨識出新的鼻咽癌治療劑及針對癌症幹細胞和愛潑斯坦－巴爾病毒的治療方法，以改善鼻咽癌治療效果。臨床研究旨在優化對晚期轉移性鼻咽癌患者的治療，以改善其生存結果。

Theory, Modeling, and Simulation of Emerging Electronics

The remarkable miniaturization of semiconductor microelectronics over the past few decades has fundamentally shaped our everyday lives. If the miniaturization trend continues, devices are expected to reach their physical limit before year 2020. By that time, electronic devices will no longer work under the current designs, and may require conceptually different device structures and operation principles. In addition, new materials, such as low dimensional materials and spin materials, may be introduced. Because of the profound economic, social and scientific implications of the emerging technologies, intensive international research activities are underway to understand and determine the physical properties and performance characteristics of the emerging sub-22nm devices and integrated circuits.

Modeling plays a critical role in this endeavor. The existing simulation software tools for previous and present generation semiconductor devices and integrated circuits are no longer applicable to the sub-22nm technology. The main difficulty lies in the limitation of continuum models used in the current simulation tools. For the sub-22nm devices, atomic features lead to large device-to-device variability. Another difficulty is that at the sub-22nm sizes the quantum effects, which are not adequately addressed in existing simulation tools, become important. Existing simulation tools cannot account for, or even be patched up to address these effects, as they are all based on continuum models. Therefore, next generation simulation methods and software are urgently needed.

With the team's expertise and background in first-principles atomistic simulation methods/ formulation development and continuum modeling of devices and circuits, the team worked together and established an Area of Excellence (AoE) in Modeling and Simulation of Emerging Electronics. The team focused on the modeling and simulation of sub-22nm technology and aimed to develop next generation multi-scale electronic design automation (EDA) tools that combined the atomistic simulation of individual devices, the coarse-grained modeling of integrated circuitries and simulation of electric signals propagation and interference. With these tools, the team studied coherent transport through sub-22nm devices, properties of new materials and structures, lithography and new memory devices. As China is developing rapidly its electronics industry, the team worked closely with research institutes and semiconductor companies in the region, and expected this AoE to play an important role in this development. Through the activities and efforts, the team strived to establish Hong Kong as a world premier research centre in the modeling of emerging electronic devices and circuitries.

新興的電子學理論框架和模擬方法

在過去數十年，半導體微電子器件的小型化從根本上改變了人類的日常生活。按此趨勢，可預期器件將會在2020年前到達物理極限。屆時，現有的設計架構會失效，而人們將不得不設計全新的器件架構和工作機理，此外可能還需引入低維材料和自旋材料等技術。鑒於相關新興技術對經濟、社會和科學的深遠影響，各國都在積極開展相關研究，以了解和鑒定新興22納米以下的微電子器件及集成電路的物理特質及表現。

在這些工作中，計算機模擬顯得至關重要。此前和現在所使用的半導體器件和集成電路仿真軟件無法應對22納米以下的技術架構，主要受限於當前模擬工具使用的連續模型。對於22納米以下的器件，具體原子結構基本決定一切。納米尺寸下，量子效應未有在現有模擬工具獲充分考慮會變得非常顯著。基於連續性模型的模擬工具則完全無法描述此效應，也沒有補救措施。因此，發展下一代仿真方法和軟件的需求變得極為迫切。

憑著在第一性原子模擬方法／公式發展及器件和電路的連續模型等方面的專業知識和背景，團隊共同合作，在新興電子的建模和仿真方面建立了卓越領域(AoE)。團隊聚焦於亞22納米半導體技術的建模和仿真上，並旨在開發下一代多尺度電子設計自動化(EDA)工具，將納米器件的原子模擬、集成電路的粗粒性模擬以及信號傳輸的仿真及干擾等相結合。通過發展的工具，團隊研究模擬各種亞22納米器件的電學性質、新材料及器件架構的特性、以及光刻和新型存儲器件等技術。隨著中國微電子產業的快速發展，團隊亦與該地區的研究機構和半導體公司密切合作，預計這AoE項目在相關發展中發揮重要作用。通過工作及努力，團隊積極將香港建設為新興電子設備和電路建模的世界一流研究中心。

Theme-based Research Scheme

Delivering 21st Century Healthcare in Hong Kong – Building a Quality-and-Efficiency Driven System

The research plan called for in-depth studies on problems in 3 topical areas:

- 1) hospital resource planning;
- 2) coordinated elderly care; and
- 3) healthcare data analytics.

The project was centering around the theme “better care at affordable cost.”

Healthcare delivery worldwide has been fraught with high cost, low efficiency and poor quality of patient care service. Hong Kong is no exception, and the quality of service provided to patients has been far from exemplary. The objective of this project was to help Hong Kong develop a quality-and-efficiency driven healthcare delivery system that was built upon data analytics and compatible to the Internet age. Novel features of the project included: addressing healthcare delivery in Hong Kong in the context of business services innovation, the focus on quality-and-efficiency driven strategies and systems oriented solutions, and the emphasis on networked resources and human-centric characteristics in healthcare delivery.

Overall scholarly contributions included:

- 1) Coordinating community services with medical services in elderly care;
- 2) Community elderly health risk studies (e.g. fall risk and cognitive impairment);
- 3) Emergency Department patient flow prediction;
- 4) Planning and scheduling of key resources in a hospital; and
- 5) Probabilistic data linkage for integrated care coordination.

主題研究計劃

為香港提供21世紀的醫療服務－構造一個品質與效率驅動的服務體系

本研究項目對以下三個備受關注的方面進行深入研究：

- 1) 醫院資源的規劃；
- 2) 協調整合的長者醫護服務；及
- 3) 醫療服務數據的分析。

這三方面的研究都圍繞著共同的主題：“運用可承受的資源，提供更優質的醫療服務”。

在全球各國醫療服務提供的過程廣泛地出現高成本，低效率和低品質的問題。這些問題在香港也不例外，為病人提供醫療服務的品質遠未能達到理想的程度。本專案的目的是幫助香港建立一個以品質和效率驅動的醫療服務傳遞系統，該系統以數據資料分析為基礎，與互聯網時代相融合。本計劃的創新之處包括：在創新商業服務的框架下，專注由品質和效率驅動的策略，以系統為本的解決方案，解決醫療服務供應過程中出現的問題，並強調資源網絡、以及提供病人為本的醫療服務。

整體學術貢獻包括：

- 1) 醫療機構及社會服務機構對長者醫護的協作及整合；
- 2) 社區長者的健康風險研究(包括跌倒風險及認知障礙等)；
- 3) 急症室病人的流量估算；
- 4) 協助醫院規劃及調度有關的重要資源方法；及
- 5) 為推動醫社協作的概率化數據整合。

Research Funding Schemes and RGC Activities

研究資助計劃及研資局的工作

Practical contributions included:

- 1) a patient-centric healthcare delivery framework that was based on data and emphasizes resource planning/optimization and patient-centric service innovation;
- 2) estimated that every dollar invested in the integrated home care service could save 8 dollars in hospitalization cost;
- 3) machine learning approach to the individualized prediction of hospital readmissions for the elderly with chronic diseases;
- 4) the algorithm for data-driven discharge planning at admission, etc.

實務貢獻包括：

- 1) 提供以患者為中心的醫療服務的框架，該框架基於數據並強調資源規劃／優化和以患者為中心的服務創新；
- 2) 估算每1元投放在綜合家居照顧服務，可以為入住醫院的開支節省約8元；
- 3) 透過機器學習模式，根據每位長者慢性疾病及健康的情況，能個別地演算及預計該長者短期內再次入院的風險；及
- 4) 以數據導向為離院計劃建立一套演算法。

Sustainable Power Delivery Structures for High Renewables

This project addressed the sustainability of future electrical power delivery systems. It is now clear that energy sustainability refers to the complete network (or grid), which delivers the power as much as the sources of energy. This package of energy supply and grid can make a major contribution to solving the urgent and potentially devastating problems of pollution and climate change. Much higher use of renewable power, including offshore wind-power (and demand management), is under serious consideration already. The proper operation of an electricity grid involves an intricate set of balancing processes for energy, power, ramping all while achieving the regulation of system variables, e.g. voltages, frequency, line powers, and keeping the system protected and secure following disturbances. This is achieved with layers of system control (and market) processes. These processes all need to be redesigned for high levels of renewable power due to the weather driven variability of the power supply. The team's research aimed to determine the structure of the delivery systems, which could overcome any such limitations and be sustainable in the long-term, including the appropriate system wide information and control systems.

The basic requirement is instantaneous balance of power generation and load demand in order to maintain a stable frequency. The traditional paradigm of generation following demand, where millions of diverse customer actions are balanced with the controlled output of a small number of major generation plants, cannot handle the distributed and variable nature of solar and wind energy sources. The team studied a new paradigm, which was adaptive in the sense of demand following generation. The load devices contributed to overall balancing and welfare of the system in processes of demand response and load control.

The key areas for the project were power systems, power electronics, computer networking and control technology. By integrating these areas in a balanced way, the aim was to build a unique research capability which could support the future industry in the Pearl River Region and beyond. The project built on its own highly innovative ideas that had shown promise for the proposed research, namely (i) electric springs, and (ii) granular modelling and control integrated with communication, control and security.

可容納大量可再生能源的可持續電力輸送結構

本項目旨在研究未來電網的可持續性問題，即如何利用電能傳輸網絡最大限度地消納其他能源。能源供給與電力網絡的結合，可在應對環境污染、氣候變化等嚴峻問題中發揮重要作用。為此，如何高效利用可再生能源發電、需求側管理等技術，正備受業界關注。電網運行中常涉及一系列複雜的能量、功率平衡過程，在系統控制、電力市場等調控措施下，既要維持正常的電壓、頻率、線路功率，又要保證系統受擾後的安全性。然而，隨著波動性強的可再生能源高比例滲入，傳統電能傳輸架構不再適用。因此，本項目將基於先進信息和控制技術，研究電網長期可持續運行的新架構。

電網中頻率穩定的基本前提是發電和用電的實時平衡。傳統調控模式為發電跟隨負荷，通過調節少數大型發電廠來滿足大量分散負荷需求，但該模式無法適應可再生能源的分散性和波動性。本項目提出新的調控模式，即負荷自適應跟隨發電，通過需求側響應和負荷控制來高效維持電能供需平衡。

本項目涵蓋電力系統、電力電子、計算機網絡與控制等領域。項目組將整合自身跨領域優勢，建立一支一流的科研團隊，為珠三角及大灣區的行業發展提供技術支撐。本項目包含一系列獨特的原創性方法和技術，如電力彈簧，融合先進信息和通信技術的精細建模與控制等。

Research Funding Schemes and RGC Activities

研究資助計劃及研資局的工作

The research impacts included:

- The establishment of HK as a world leader in innovative power system technologies to be comparable with a few places in the USA and Europe;
- Accordingly, in this and other roles, the team believed they could play a major long term role in helping China overcome its heavy pollution problems not to mention contribute to the global effort to alleviate global warming;
- Specific technologies, such as electric springs, power flow routers and distributed control, show promise for commercial development; follow-up projects with Chinese collaboration and with Chinese power utilities are pending;
- The microgrid facility could be a resource for HK to further develop its advanced education in the important area of renewable energy; and
- The Centre for Electrical Energy Systems had further enhanced its status as a world-renowned group for modern power and energy engineering as evidenced by numerous invitations for keynote speeches and the like.

研究影響包括：

- 將香港打造成為可與美國和歐洲等地區媲美世界一流電力系統技術研發地；
- 在上述區位角色的基礎上，有望在幫助中國解決環境污染等重要問題方面發揮長期的重要作用，並為減緩全球氣候變暖做出重要貢獻；
- 本項目的電力彈簧、電能路由器和分佈式控制器等技術具有廣闊的商業應用前景，目前正與中國大陸的合作夥伴和電力公司商討後續的合作研究和產品研發；
- 本項目的微電網設施可作為先進的示範性資源，為香港可再生能源相關的教育提供重要支撐；及
- 通過受邀主題報告等宣傳方式，進一步將電力能源系統中心提升為世界知名的現代電力和能源工程研究團隊。

Collaborative Research Fund

Neuronal Mechanism of Cholecystokinin-Facilitated Cross-modal Learning and Memory

In a previous project, the team has combined human and animal studies to investigate “where” and “how” cross-modal learning takes place. It is found that a new visuo-auditory associative memory can be established after repeated pairing. The establishment of this memory in auditory cortex is enabled by cholecystokinin (CCK)-immunopositive, neocortical-projection neurons in entorhinal cortex of medial temporal lobe (MTL). CCK works as the memory-writing switch in the cortex.

In this project the team will extend their investigation to unveil the role of CCK in memory-encoding and the cellular mechanism how CCK switches neuroplasticity. The team will adopt different approaches from behavioral neuroscience, electrophysiology, histochemistry, and newly developed bioengineering methods in their investigation.

This project will answer a fundamental question in neuroscience of how long-term associative memory is encoded in the neocortex. The proposed neural mechanism involving the neuropeptide CCK is likely to have a link with the team’s current understanding of high-frequency-stimulation-induced plasticity.

From Molecular Dynamics to Systems Biology: A Multi-scale Approach Tightly Integrating Simulation and Experiment to Quantitatively Analyze the Transcription Accuracy of RNA Polymerase II

Transcription is a process by which genome DNA is transcribed to messenger RNA for subsequent protein synthesis. Error made during transcription is a major factor in aging and human diseases such as cancer. Recent genome-wide studies show that transcription errors are strongly dependent on template DNA sequence, and there exist error-prone sequence motifs that can lead to genome instability. At the molecular level, the mechanisms for the transcriptional enzyme, RNA Polymerase II (Pol II) to misincorporate a nucleotide has been extensively studied by biochemical and structural experiments. The critical link is still missing between the structural mechanics of Pol II fidelity and the genome-wide transcriptional accuracy.

協作研究金

膽囊收縮素促進跨模態學習和記憶的神經機制

在較早前的項目中，團隊透過結合對人類和動物的研究去探討跨通道學習是「在何處」和「如何」進行。團隊發現一種新的視聽聯合人工記憶在重複配對後得以建立。這種記憶能夠在聽覺皮層建立，是透過大腦內側顳葉內嗅皮質內膽囊收縮素(CCK)免疫陽性的新皮層投射神經元。CCK是作為在大腦皮層上「寫」入記憶的開關。

在這個項目中，團隊將延續先前的工作，揭示CCK在記憶編碼的作用，以及CCK如何轉變神經可塑性的細胞機制。團隊會採用不同方法，包括從行為神經學、電生理學、組織化學和新發展的生物工程學等方法進行研究。

這個項目將解答神經科學的一個重要問題，就是長期聯合人工記憶是如何在大腦新皮層編碼。涉及神經肽CCK所提出的神經機制，很可能關係到團隊現時對高頻刺激導致可塑性的理解。

從分子動力學到系統生物學：開發緊密結合理論和實驗的多尺度方法來測量研究RNA聚合酶II基因轉錄的準確性

轉錄是由基因組DNA轉錄到信使RNA從而合成蛋白質的過程。轉錄期間所產生的錯誤是導致衰老和諸多人類疾病如癌症的主要因素。最近的全基因組研究表明，轉錄過程產生的錯誤高度依賴於模板DNA的序列，並且存在容易出錯的序列基序，從而進一步導致基因的不穩定性。在分子水平上，生物化學和結構生物學實驗已經對RNA聚合酶II(Pol II)在單個鹼基層面產生轉錄錯誤的機理進行了廣泛的研究，然而Pol II在單個鹼基層面的轉錄錯誤如何導致基因組層面的轉錄錯誤還不是很清楚。

Research Funding Schemes and RGC Activities

研究資助計劃及研資局的工作

During elongation, Pol II undergoes conformational changes in its structure. The team proposes to construct a kinetic network model (KNM) based on sequence-dependent molecular dynamics of Pol II elongation to predict transcriptional accuracy in the genome-wide transcriptomic datasets. This model will allow the team to pinpoint error-prone hot-spot sequence motifs in the genome with high transcription errors. It will also link these sequence motifs with their molecular origin related to the dynamics of specific Pol II conformational changes.

To build a KNM, the team will employ a multi-scale approach by integrating individual rates of critical conformational changes of Pol II in a kinetic network framework to model the overall transcriptional elongation dynamics. When applying it to profile the transcriptome, the KNM has the predicting power to identify the mutational hot-spots for Pol II. Using the yeast transcriptome, the team will validate their predictions with experimentally identified error-prone sequences from RNA deep sequencing, and further exclude errors not caused by Pol II using in vitro transcription assays. Furthermore, using Pol II mutants that are known to affect specific Pol II conformational changes, the team will establish a link between these validated error-prone sequence motifs and structural dynamics of Pol II. Finally, the team will also apply their KNMs to investigate the hot-spots for transcriptional mutations caused by human Pol II in the transcriptome.

To achieve the above goals, the team has formed a highly inter-disciplinary team with expertise in mathematical modeling, computer simulations, biochemical experiments, single-molecular measurements, chemical biology approaches, and high-throughput sequencing. The tight integration of these areas of expertise is vital to the success of this project.

Total synthesis and medicinal chemistry of cyclic peptide-based antibacterial compounds: an integrative programme for novel antibiotic development

Bacterial antibiotic resistance has become a serious public health issue worldwide and the situation is getting worse and worse. To combat multidrug-resistant bacteria such as methicillin-resistant *Staphylococcus aureus* (MRSA) and vancomycin-resistant *Enterococcus* (VRE), this project synergizes organic chemistry, medicinal chemistry and microbiology to develop cyclic peptide-based antibiotics. Using daptomycin, mannopeptimycin and teixobactin as scaffolds, this project aims to develop novel analogues with improved activities and pharmacological properties to treat multidrug-resistant pathogens and extend current clinical applications through structural modifications.

Pol II在轉錄過程中需要進行一系列的結構構象變化。團隊建議基於這些構象變化的速率構建一個和DNA模版序列相關的動力學網絡模型來預測在基因組層面的轉錄錯誤。這個模型將允許團隊在整個基因組中找到轉錄容易出錯的熱點基因序列。它也將幫助團隊進一步在分子層面找到這些熱點基因序列同具體的Pol II構象變化的關係。

團隊將採用一個多尺度的方法來把Pol II每個構象變化的速率整合到一個動力學網絡模型中來預測整個轉錄過程的速率。當這個模型被運用來研究轉錄組的時候將可以預測由於Pol II造成的基因轉錄錯誤。團隊將在酵母菌體系中將他們模型的預測與RNA測序的結果進行比對從而驗證團隊的方法。團隊也將進一步運用一系列Pol II突變體來研究轉錄容易出錯的熱點基因序列與Pol II構象變化的關係。最後團隊也將運用他們的模型來預測人類轉錄組中容易出錯的熱點基因序列。

為了達到上述目標，團隊組成了包括數學建模，計算機模擬，生化實驗，單分子測量，化學生物學，以及高通量RNA測序的專家在內的跨學科的團隊。這些不同領域專家的緊密合作將是這個項目成功的關鍵。

環肽抗菌藥物的化學合成及其藥物化學：新抗生素開發的綜合性探索

細菌耐藥性已成為一個嚴重的全球公共衛生問題，而且情況正變得越來越差。為了應付多重耐藥細菌，如耐甲氧西林金黃色葡萄球菌(MRSA)和耐萬古黴素腸球菌(VRE)，本項目結合有機化學，藥物化學和微生物學的研究方法，致力於開發新型的環肽類抗生素。團隊將利用daptomycin(達托黴素)，mannopeptimycin和teixobactin作為研究對象，通過化學合成對這些抗生素進行結構改進，以獲得活性和藥理更好的新型抗生素以治療耐藥病原菌和新的臨床適應症。

General Research Fund

Elucidation of a novel tumor suppressor gene tripartite motif 67 (TRIM67) in colorectal cancer

Colorectal cancer (CRC) is the third most common cancer worldwide. Both the incidence and death rate from CRC are increasing rapidly in Asian region, including Hong Kong. The mechanisms underlying CRC initiation and development however remain elusive. The research team have recently performed genome-wide DNA methylation sequencing and gene expression analyses of human CRC samples. Several tripartite motif 67 (TRIM67) family members have been found to play important roles in cancer development either as oncogene or tumour suppressor gene, whilst the functional significance and clinical implication of TRIM67 in human cancer are unclear. This project provides strong evidences that TRIM67 plays a key tumor suppressor role in CRC tumorigenesis

Inactivation of p53 is a key event driving colorectal tumorigenesis and resistance to DNA damaging chemotherapy. The research team's work in CRC cells and transgenic mice unveil that TRIM67 stabilizes p53 by preventing MDM2-mediated degradation. Importantly, TRIM67 reconstitution significantly sensitizes CRC cells to DNA damaging chemotherapy. TRIM67 loss is also identified as an independent marker for disease prognosis in CRC. TRIM67/p53 axis represents a novel therapeutic target that could be harnessed to improve chemotherapy efficacy in CRC expressing wildtype p53 but with repressed p53 signaling.

This project focused on a novel tumor suppressor gene (TRIM67) and its role in colorectal cancer. The team published over 25 peer reviewed manuscripts and many were in high profile journals. The potential value of the published results is excellent with a high degree of relevance to HK.

優配研究金

闡明新的大腸癌抑癌基因tripartite motif 67 (TRIM67)的抑癌機制

結直腸癌是全球第三大常見癌症，其發病率和死亡率在亞洲地區包括香港在內都在迅速上升。然而，結直腸癌起始和發展的機制仍然難以捉摸。研究團隊最近對人類結直腸癌樣本進行全基因組DNA甲基化測序和基因分析。數種tripartite motif 67 (TRIM67)因子已被發現在癌症發展中作為癌基因或腫瘤抑制基因發揮著重要作用，然而TRIM67在人類癌症中的功能意義和臨床意義尚未清楚。研究項目提供了有力的證據證明TRIM67在結直腸腫瘤的發展中起了關鍵的抑製作用。

p53的失效是導致結直腸腫瘤和妨礙DNA破壞性化療的關鍵因素。研究團隊在結直腸癌細胞和基因轉殖小鼠的工作揭示了TRIM67通過阻止MDM2介導的降解來穩定p53。重要的是，TRIM67顯著的重組會使結直腸癌細胞對DNA破壞性化療有更大的反應。TRIM67的缺乏也被確定為結直腸癌疾病預後的指標。TRIM67/p53軸代表了一種新的治療靶點，可用於提高野生型但信號傳導受到抑制的p53在結直腸癌化療中的效果。

這個項目專注於一種新型腫瘤抑制基因 (TRIM67)及其在結直腸癌中的作用。團隊已發表超過25篇經同行評審的論文，部分更在知名期刊上發表。已發表的論文極具潛在價值，並與香港高度相關。

Early Career Scheme

Application of mindfulness training in a family-based intervention for improving early child development and stress management in economically disadvantaged families

Economic disadvantage has been found to be associated with delayed cognitive and language development, and mental health symptoms such as aggression, anxiety of children. Chronic cumulative stressors of poverty disrupt their attention, emotional and behavioural regulation, that would further lead to negative impact in early development. As their parents are also affected by stress, they often become unresponsive, harsh and inconsistent in child discipline, resulting in a chronic stress to their children.

Mindfulness is defined as paying attention purposefully and non-judgmentally to the present moment. It has been shown to improve attention, promote exposure to unpleasant experiences, facilitate cognitive change, and enhance the ability to cope with life stress. Mindfulness training has been established as an evidence-based intervention for people suffering from various chronic conditions. Its application in a family context, including parents and children, is just beginning.

The purpose of this study is to assess the effectiveness of a family-based mindfulness intervention (FBMI) in reducing parental stress and promoting child adjustment. Intervention effectiveness is tested by conducting a randomized controlled trial comparing a group receiving FBMI to a wait-list control group. A group of children aged five and their parents were recruited to participate in the study and stratified by level of economically disadvantage, behavior problem scores, and parental stress, and then randomly assigned to the two groups. Intervention group was led by instructors with professional mindfulness training. The team would compare the children in the intervention group with the wait-list group on the effect of mindfulness training on improvements in cognitive and language development, behaviour problems, attention and emotional/behavior regulation, and physiological stress (reduced cortisol and heart rate variability). Parents in the two groups would also be compared on the effect of mindfulness training on improvement of physiological and psychological stress.

傑出青年學者計劃

應用家庭為本靜觀訓練在改善弱勢家庭的兒童早期成長及壓力管理

現有文獻顯示經濟弱勢與兒童的認知及語言發展遲緩、精神健康癥狀包括暴力及焦慮等有密切關係。於貧窮中成長所累積的壓力會損害兒童的注意力、情緒及行為的調節，對兒童的早期成長造成深遠的影響。與此同時，兒童的父母亦會同樣受到壓力的影響，在管教兒童時會有時出現拒絕回應、苛刻或不貫徹等行為，對子女造成的一種長期的壓力。

靜觀是指有意識地及不加批判地將注意力放在當刻上。研究顯示靜觀訓練可以改善注意力、提升對不愉快經驗的接納程度，有助認知的轉變及提升對生活壓力的管理。靜觀已被確立為一種以實證為基礎的介入模式，廣泛應用於面對各種長期壓力的人士的訓練。然而，靜觀訓練在家庭層面的應用仍在起步階段。

本研究的目的為評估家庭為本的靜觀訓練應用對於減低家長壓力及提升兒童的適應力的成效。介入成效將通過隨機對照的臨床實驗，比較介入組及輪候對照組來驗證其成效。研究團隊招募了一批五歲兒童及家長參與研究，並以家庭收入、兒童行為問題指數、家長壓力進行分層隨機分組。介入組由曾接受相關專業訓練的靜觀導師帶領。研究團隊會比較介入組的兒童及輪候對照組的兒童，以了解兒童在認知及語言發展、行為問題、注意力及情緒／行為調節及生理壓力(唾液皮質醇及心跳變異率)等方面會否因靜觀訓練而有所改善。同時亦會比較介入組的家長及輪候對照組的家長以了解靜觀訓練對他們的生理及心理壓力的正面影響。

Research Funding Schemes and RGC Activities 研究資助計劃及研資局的工作

This project is the first of its kind to use mindfulness training in a family context in Hong Kong. It is also unique as it examines the effectiveness of a mindfulness-based intervention with multiple outcome measures related to stress, combining self-reported measures with biomarkers, and psychological tests. For model building and theory development, this study may shed light on assessing the change mechanisms for promoting child learning, emotional and behavioural regulation, particularly in relation to studies of stress physiology and economically disadvantaged families. The results may not only benefit in Hong Kong but also those in other Chinese societies and countries.

這項研究是本地其中一項最早的家庭為本的靜觀訓練研究，其獨特性包括以心理及生理方法測定與壓力有關的介入成果。在模式建構及理論發展的層面，本研究或許能為弱勢家庭的壓力生理研究、兒童學習、情緒及行為調節的提升上作出啟示。研究結果不但會能令香港有關群體受益，或許亦能為華人社區及其他國家相關研究提出方向。

RGC Contacts with Other Funding Bodies

The RGC maintains regular contacts with other bodies that provide funding for research. This good working relationship ensures that applications for grants are cross-checked to avoid unjustified duplication. The main research organisations with which the RGC maintains regular contacts are:

- Croucher Foundation
- Environment and Conservation Fund
- Health and Medical Research Fund
- Innovation and Technology Commission
- Quality Education Fund
- S K Yee Medical Foundation
- Overseas bodies and organisations in the Mainland with funding for academic research

研資局與其他研究資助機構的聯繫

研資局與其他資助研究的機構經常保持聯繫，互相核對研究經費的申請，以防止不合理的重疊撥款。研資局經常與下列主要研究資助機構保持聯繫：

- 裘槎基金會
- 環境及自然保育基金
- 醫療衛生研究基金
- 創新科技署
- 優質教育基金
- 余兆麒醫療基金
- 海外及內地的學術研究資助機構

How Funded Projects are Selected, Monitored and Assessed

資助項目的審批、監察與評核

How Projects are Selected

To drive Hong Kong's research quality to a higher level of excellence, the RGC is focusing its resources to provide better support to top quality research projects through competitive funding schemes.

Across the board, equal emphasis is given to both fundamental and applied research.

Additionally, the RGC must be satisfied that the projects it funds have significant intellectual and innovative content and serve the purpose of academic development.

For applied research projects which involve potential benefits to industry in the short to medium term, the RGC expects to see some funding from the potential beneficiaries.

Aim of Monitoring and Assessment

Under its Terms of Reference, the RGC is required to monitor the implementation of research projects funded by disbursements from the UGC, and to report at least annually to the Government through the UGC.

The RGC considers that monitoring of on-going projects and assessment of completed projects are necessary for reasons of public accountability.

As part of its efforts to strive for improvement, the RGC constantly reviews its monitoring and assessment system with a view to streamlining the relevant processes and enhancing overall effectiveness.

The Principal Investigator / Project Coordinator of an approved project is therefore required to submit progress reports and a completion report on the project for monitoring and scrutiny by Subject Panel/Committee members. The sponsoring institution is required to manage the projects and expenditures, oversee the procurement of equipment and devices approved under the projects and to put in place a due internal monitoring system.

釐定撥款的準則

為提昇香港學術研究的質素至另一高峯，研資局集中資源，通過具競逐性的撥款資助計劃，為最優質的學術研究項目提供更多資助。

整體來說，研資局對基本研究及應用研究一視同仁，無分軒輊。

此外，研資局必須確定其資助的研究項目具有重大學術價值、內容創新，又能促進學術發展。

對於能為工商界帶來短期以至中期利益的應用研究項目，研資局期望受惠的行業亦能承擔部分資助。

監察與評核的目標

按職權範圍，研資局必須監察在教資會研究經費下獲撥款的研究項目，並透過教資會最少每年一次向政府提交報告。

為確保公帑用得其所，研資局認為必須監察進展中的項目，以及評核已完成的項目。

為了精益求精，研資局經常檢討監察與評核的機制，以期精簡程序，提高整體效率。

因此，獲撥款項目的首席研究員／項目統籌者必須向研資局呈交項目進度報告及項目完成報告，以供學科小組／委員會成員監察及審查。研究員所屬的院校有責任管理項目及其支出，監察獲撥款的設備及儀器的採購及安裝，以及設立適當的內部監察機制。

Monitoring of On-going Projects

The objective of the monitoring is to ensure that the project is proceeding on schedule and that any problems identified are followed up by the Principal Investigator/Project Coordinator. In 2015, the RGC enhanced the monitoring measures. From the 2016/17 funding exercises onwards, except a small number of short duration research projects which are granted project funds in a lump sum, the project funds of all research projects will be disbursed by instalment. The Principal Investigators / Project Coordinators concerned should demonstrate satisfactory progress before obtaining further funding from the RGC.

For individual research projects, one Subject Panel member is assigned to each funded project with the responsibility for monitoring, on the basis of progress reports and completion report. The Subject Panel member assigned to the project reviews the progress report and, where necessary, provides his/her comments to the Principal Investigator for reference and follow-up action.

For group research projects, Project Coordinators are required to submit progress reports for the monitoring panel's/committee's scrutiny and follow up on comments made by the panel / committee.

Principal Investigators/Project Coordinators may also be required to present the progress and achievements at a symposium or during on-site visits to the panel / committee, research community and / or members of the public.

Assessment of Completed Projects

After the scheduled completion date of a project, the Principal Investigator / Project Coordinator concerned is required to submit a completion report detailing the outcome of the research project, the results achieved, students trained, and publications produced, as well as reporting on the use and application of the grant awarded. These completion reports are passed to the responsible panel/committee members for final assessment.

Completed projects are rated as "Satisfactory", "Barely Satisfactory" or "Unsatisfactory". These assessment results are also taken into account when assessing new grant applications from the same Principal Investigator / Project Coordinator.

監察進展中的項目

監察程序確保有關項目如期進行，並確保首席研究員／項目統籌者有跟進成員所發現及指出的問題。研資局於2015年加強監察程序。由2016/17年度起，除少數短期研究項目可一次過獲得整筆資助款項外，所有項目的資助款項將為分期支付。有關首席研究員／項目統籌者必須展示令人滿意的進度，才可獲得研資局進一步分期資助款項。

就個人研究項目而言，每個獲資助的項目，均由一位指定的學科小組成員負責監察。成員根據項目進度報告及項目完成報告監察每個項目。學科小組成員在審閱進度報告後，會因應需要向項目的首席研究員反映意見，供其參考及跟進。

至於集體合作研究項目，項目統籌者必須向負責監察的小組／委員會呈交項目進度報告，以及對其意見作出跟進。

部分項目的首席研究員／項目統籌者須於研討會或實地探訪時向有關小組／委員會、研究界別，以及／或公眾人士發表其研究進度及成果。

評核已完成的項目

在研究項目預定完成日期後，首席研究員／項目統籌者必須向研資局提交項目完成報告，詳列出研究結果、成果、接受培訓的學生、已發表的報告、論文及文章，以至撥款的運用及應用的詳情。這些報告會交由負責審核該項目的小組／委員會成員作最後評核。

評核已完成的項目分為「滿意」、「僅符合要求」及「不滿意」三個等級。當首席研究員／項目統籌者提交新的撥款申請時，研資局會考慮其過往的評核結果。

How Funded Projects are Selected, Monitored and Assessed 資助項目的審批、監察與評核

Feedback on Assessments

Feedback is an important part of the RGC's effort to encourage and assure quality standards in research projects. The feedback from external reviewers forms an essential part of the peer review process and enables researchers to improve and refine their research methodologies. It also represents a valuable input to the Hong Kong academia of new ideas and expertise from the international research community.

As a matter of policy, the RGC arranges to provide the unattributed comments of external reviewers to applicants of individual and group project grants and, where necessary, convey additional comments from the panel / committee.

反映評核的意見

研資局致力保證及提高研究項目的質素，向研究人員反映外部評審員的意見，是學者評審過程的重要部分。這項做法有助研究人員改進其研究方法，使之更為完善，並將國際研究界別的新意念及專業知識引入本地學術界。

按政策規定，研資局將外部評審員的意見以不具名方式轉達給與個人及集體合作研究項目的申請人，如有需要，亦會轉達小組／委員會的額外意見。

Public Access to Completion Reports

To share the research findings with the public, for projects approved from the 2010/11 academic year onwards, Principal Investigators / Project Coordinators are required to release the completion reports containing abstract in layman terms, objectives, research output including a list of conference papers / publications / journals / research findings and contact information of Principal Investigators / Project Coordinators for public access through the RGC website.

公開完成報告

為讓公眾分享研究成果，由2010/11學年獲資助的計劃開始，首席研究員／項目統籌者須公開其項目完成報告，並通過研資局網頁讓公眾查閱。報告包含以淺白文字撰寫的摘要、計劃目標、研究成果，當中包括以表列形式列出所發表的會議論文／出版刊物／其他研究發現，以及首席研究員／項目統籌者的聯絡資料。



Appendices

附錄

Appendix A: RGC Membership 2020/21 附錄A：研資局 2020/21 年度成員名單

RGC Member 研資局成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月/年)
Prof Joseph Hun-wei Lee 李行偉教授 (主席) (retired on 28 February 2021) (已於2021年2月28日卸任)	The Hong Kong University of Science and Technology 香港科技大學	7/2020
Prof Yuk-shan Wong, SBS, JP 黃玉山教授, SBS, JP (主席) (assumed office on 1 March 2021) (已於2021年3月1日履新)	The Open University of Hong Kong 香港公開大學	3/2021
Prof Jiun-shyan Chen 陳俊賢教授	University of California, San Diego 加州大學聖地牙哥分校	7/2016
Ms Cordelia Chung 鍾郝儀女士	Clarksdale Investment Limited Clarksdale投資有限公司	5/2017
Prof Yip-wah Chung, BBS 鍾業華教授, BBS	Northwestern University 西北大學	7/2018
Prof Paul Clark	The University of Auckland 奧克蘭大學	7/2014
Prof Michael P Doyle 邁克爾•多伊教授	The University of Texas at San Antonio 得克薩斯大學聖安東尼奧分校	7/2015
Prof Cindy Fan 范芝芬教授	University of California, Los Angeles 加州大學洛杉磯分校	8/2017
Prof James Fawcett	University of Cambridge 牛津大學	11/2019
Prof Raymond Man-pao Kan 簡文豹教授	University of Toronto 多倫多大學	7/2017
Mr Henry Kwong-han Leung 梁廣恒先生	Nano and Advanced Materials Institute Limited 納米及先進材料研發院有限公司	4/2017
Prof Wing-kam Liu 廖榮錦教授	Northwestern University 西北大學	7/2020
Prof Jian Lu 呂堅教授	City University of Hong Kong 香港城市大學	7/2016
Prof Tai-lok Lui, JP 呂大樂教授, JP	The Education University of Hong Kong 香港教育大學	7/2018
Prof Helen Mei-ling Meng 蒙美玲教授	The Chinese University of Hong Kong 香港中文大學	7/2016
Prof William Ireland Milne	University of Cambridge 劍橋大學	9/2017

Appendix A: RGC Membership 2020/21 附錄 A：研資局 2020/21 年度成員名單

RGC Member 研資局成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月/年)
Prof Joshua Ka-ho Mok 莫家豪教授	Lingnan University 嶺南大學	4/2017
Prof Irene Oi-lin Ng 吳呂愛蓮教授	The University of Hong Kong 香港大學	4/2017
Prof Geoffrey L Smith	University of Cambridge 劍橋大學	7/2015
Prof Billy Kee-long So 蘇基朗教授	University of Macau 澳門大學	7/2016
Prof Richard Strugnell	The University of Melbourne 墨爾本大學	7/2016
Prof Kellee S Tsai 蔡欣怡教授	The Hong Kong University of Science and Technology 香港科技大學	11/2019
Prof Lap-chee Tsui, GBM, GBS, JP 徐立之教授, GBM, GBS, JP	The Academy of Sciences of Hong Kong 港科院	8/2017
Prof Rosalie L Tung 董林雪英教授	Simon Fraser University 西門菲沙大學	7/2018
Prof Alexander Ping-kong Wai 衛炳江教授 (retired on 1 February 2021) (已於2021年2月1日卸任)	The Hong Kong Polytechnic University 香港理工大學	7/2016
Prof Rick Wai-ki Wong 黃偉國教授	Hong Kong Baptist University 香港浸會大學	7/2018
Prof Edward Sze-shing Yeung 楊仕成教授	Iowa State University 愛荷華州立大學	7/2014
Prof Paul K L Yu 余劭離教授	University of California, San Diego 加州大學聖地牙哥分校	7/2017
Prof Jie Zhang 張杰教授	Chinese Academy of Sciences 中國科學院	7/2020
Prof Charles Surya 徐星全教授 (當然成員)	Innovation and Technology Commission 創新科技署	2/2020
Miss Amy Chan (Secretary) 陳婉雯女士 (秘書)	University Grants Committee Secretariat 大學教育資助委員會秘書處	

Appendix B: Attendance Record of RGC Members in 2020/21 附錄 B：2020/21 年度研資局成員出席會議的記錄

Name 姓名	Total number of RGC meeting(s) 研資局會議的 總次數	Total number of RGC meeting(s) attended 成員出席研資局 會議次數	Attendance rate 出席率
Prof Joseph Hun-wei Lee 李行偉教授	1	1	100%
Prof Yuk-shan Wong, SBS, JP 黃玉山教授, SBS, JP	1	1	100%
Prof Jiun-shyan Chen* 陳俊賢教授*	2	2	100%
Ms Cordelia Chung 鍾郝儀女士	2	2	100%
Prof Yip-wah Chung, BBS* 鍾業華教授, BBS*	2	2	100%
Prof Paul Clark*	2	2	100%
Prof Michael P Doyle* 邁克爾 • 多伊教授*	2	2	100%
Prof Cindy Fan* 范芝芬教授*	2	2	100%
Prof James Fawcett*	2	2	100%
Prof Raymond Man-pao Kan* 簡文豹教授*	2	2	100%
Mr Henry Kwong-han Leung 梁廣恒先生	2	2	100%
Prof Wing-kam Liu* 廖榮錦教授*	2	2	100%
Prof Jian Lu 呂堅教授	2	2	100%
Prof Tai-lok Lui, JP 呂大樂教授, JP	2	2	100%
Prof Helen Mei-ling Meng 蒙美玲教授	2	2	100%
Prof William Ireland Milne*	2	2	100%
Prof Joshua Ka-ho Mok 莫家豪教授	2	2	100%
Prof Irene Oi-lin Ng 吳呂愛蓮教授	2	2	100%

Appendix B: Attendance Record of RGC Members in 2020/21

附錄 B：2020/21 年度研資局成員出席會議的記錄

Name 姓名	Total number of RGC meeting(s) 研資局會議的 總次數	Total number of RGC meeting(s) attended 成員出席研資局 會議次數	Attendance rate 出席率
Prof Geoffrey L Smith*	2	2	100%
Prof Billy Kee-long So* 蘇基朗教授*	2	2	100%
Prof Richard Strugnell*	2	2	100%
Prof Kellee S Tsai 蔡欣怡教授	2	2	100%
Prof Lap-chee Tsui, GBM, GBS, JP 徐立之教授, GBM, GBS, JP	2	2	100%
Prof Rosalie L Tung* 董林雪英教授*	2	2	100%
Prof Alexander Ping-kong Wai 衛炳江教授	1	1	100%
Prof Rick Wai-kwok Wong 黃偉國教授	2	2	100%
Prof Edward Sze-Shing Yeung* 楊仕成教授*	2	2	100%
Prof Paul K L Yu* 余劭離教授*	2	2	100%
Prof Jie Zhang* 張杰教授*	2	2	100%
Prof Charles Surya 徐星全教授	2	2	100%

* denotes members outside Hong Kong

* 為非本地成員

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Subject Panels

學科小組

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月/年)
Biology and Medicine 生物學及醫學		
Prof James Fawcett (Chairman) (主席)	University of Cambridge 劍橋大學	1/2017
Prof Kai-nan An (Deputy Chairman – Joint Research Schemes) 安介南教授 (副主席－合作研究計劃)	Mayo Clinic College of Medicine 梅約臨床醫學院	2/2015
Prof Hongtao Yu (Deputy Chairman – Schemes for Individual Research) (副主席－個人研究資助計劃)	University of Texas 德克薩斯州大學	1/2018
Prof Rudolf Bauer	University of Graz 卡爾•弗朗岑斯格拉茨大學	3/2018
Prof Zhaoxiang Bian 卞兆祥教授	Hong Kong Baptist University 香港浸會大學	2/2016
Prof Seth Blackshaw	Johns Hopkins University 約翰霍普金斯大學	11/2018
Prof Joseph Buxbaum	Icahn School of Medicine at Mount Sinai 西奈山伊坎醫學院	11/2019
Prof Maria Byrne	The University of Sydney 悉尼大學	12/2018
Prof Daniel Tak-mao Chan 陳德茂教授	The University of Hong Kong 香港大學	3/2018
Prof Danny Chan 陳振勝教授	The University of Hong Kong 香港大學	3/2020
Prof Juliana CN Chan 陳重娥教授	The Chinese University of Hong Kong 香港中文大學	4/2019
Prof Paul Kay-sheung Chan 陳基湘教授	The Chinese University of Hong Kong 香港中文大學	1/2019

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Stephen Lam Chan 陳林教授	The Chinese University of Hong Kong 香港中文大學	11/2019
Prof Larry Ming-cheung Chow 周銘祥教授	The Hong Kong Polytechnic University 香港理工大學	3/2018
Prof Meng Chen	University of California, Riverside 加州大學河濱分校	12/2019
Prof Zhengming Chen	University of Oxford 牛津大學	11/2020
Prof Ying Cheong	University of Southampton 修咸頓大學	11/2019
Prof Zheng Dong 董政教授	Medical College of Georgia, Augusta University 奧古斯塔大學－佐治亞州醫學院	11/2019
Prof Thomas Efferth	Johannes Gutenberg University 約翰尼斯・古騰堡－美茵茲大學	1/2016
Prof Sandy Feng	University of California, San Francisco 加州大學舊金山分校	11/2020
Prof Xiaohua Gong	University of California, Berkeley 加州大學柏克萊分校	3/2020
Prof Jennifer Grandis	University of California, San Francisco 加州大學舊金山分校	11/2019
Prof Xin-yuan Guan 關新元教授	The University of Hong Kong 香港大學	1/2019
Prof Stephen Hawkins	University of Southampton 南安普敦大學	3/2018
Prof Jufang He 賀菊方教授	City University of Hong Kong 香港城市大學	3/2018
Prof Yu Huang 黃聿教授	The Chinese University of Hong Kong 香港中文大學	12/2017
Prof Ladd Johnson	Laval University 拉瓦爾大學	1/2020
Prof William Hunter	University of Dundee 鄧迪大學	3/2018

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Liwen Jiang 姜里文教授	The Chinese University of Hong Kong 香港中文大學	3/2018
Prof Dong-yan Jin 金冬雁教授	The University of Hong Kong 香港大學	2/2019
Prof Han-sung Jung 鄭翰聖教授	Yonsei University 延世大學	3/2018
Prof Yibin Kang 康毅濱教授	Princeton University 普林斯頓大學	12/2018
Prof Kay-tee Khaw	University of Cambridge 劍橋大學	12/2017
Dr Jessica CF Kwok	University of Leeds 列斯大學	11/2020
Professor Kin-ming Kwan 關健明教授	The Chinese University of Hong Kong 香港中文大學	03/2020
Prof Hon-ming Lam 林漢明教授	The Chinese University of Hong Kong 香港中文大學	2/2019
Prof Mansun Law	The Scripps Research Institute 斯克里普斯研究所	12/2017
Prof Andrew Lever	University of Cambridge 劍橋大學	11/2019
Prof Brendan M. Leung	Dalhousie University 戴爾豪斯大學	4/2020
Prof Kenneth Mei-yee Leung 梁美儀教授	City University of Hong Kong 香港城市大學	2/2019
Prof Gang Li 李剛教授	The Chinese University of Hong Kong 香港中文大學	4/2020
Prof Eddy Foo-yew Liew 劉富友教授	University of Glasgow 格拉斯哥大學	4/2019
Prof Kai Liu 劉凱教授	The Hong Kong University of Science and Technology 香港科技大學	2/2019
Prof Chung-mau Lo 盧寵茂教授	The University of Hong Kong 香港大學	3/2020

Appendix C: Committee / Panel Membership 2020/21

附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Fanxin Long	Washington University 華盛頓大學	1/2014
Prof William Weijia Lu 呂維加教授	The University of Hong Kong 香港大學	12/2018
Prof Ronald Ching-wan Ma 馬青雲教授	The Chinese University of Hong Kong 香港中文大學	1/2019
Prof Kevin O'Shaughnessy	University of Cambridge 劍橋大學	11/2019
Prof Peter Polverini	University of Michigan 密西根大學	11/2020
Prof Tony Shu-kam Mok 莫樹錦教授	The Chinese University of Hong Kong 香港中文大學	2/2016
Prof Jonas Rosendahl	University of Halle-Wittenberg 哈雷－維滕貝格大學	11/2018
Prof Feng Shao 邵峰教授	National Institute of Biological Sciences, Beijing 北京生命科學研究所	12/2018
Prof Jiangang Shen	The University of Hong Kong 香港大學	1/2020
Prof Jie Song	University of Massachusetts Medical School 馬薩諸塞大學醫學院	11/2020
Prof Kathryn Choon-beng Tan 陳俊明教授	The University of Hong Kong 香港大學	1/2017
Prof Xiao-fan Wang 王小凡教授	Duke University 杜克大學	12/2019
Prof Yi Wang	Cornell University 康乃爾大學	11/2020
Prof Zilong Wen 溫子龍教授	The Hong Kong University of Science and Technology 香港科技大學	11/2018
Prof Ferranti Wong	Queen Mary University of London 倫敦大學瑪麗皇后學院	12/2017
Prof Zhenguo Wu 鄔振國教授	The Hong Kong University of Science and Technology 香港科技大學	1/2017

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Nieng Yan 顏寧教授	Princeton University 普林斯頓大學	1/2019
Prof Xian-jie Yang	University of California, Los Angeles 加州大學洛杉磯分校	1/2020
Prof Ella Yeung 楊慧教授	The Hong Kong Polytechnic University 香港理工大學	12/2018
Prof Jun Yu 于君教授	The Chinese University of Hong Kong 香港中文大學	11/2019
Prof Benjamin Yat-ming Yung 翁一鳴教授	The Hong Kong Polytechnic University 香港理工大學	12/2017
Prof Michael Q. Zhang 張奇偉教授	University of Texas at Dallas 德州大學達拉斯分校	3/2018
Prof Yuanling Zhang 張元亨教授	City University of Hong Kong 香港城市大學	2/2019
Prof Tao Zhang 張濤教授	Chinese Academy of Sciences 中國科學院	1/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Subject Panels

學科小組

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Business Studies 商學		
Prof Raymond Man-pao Kan (Chairman) 簡文豹教授 (主席)	University of Toronto 多倫多大學	7/2017
Prof Hanming Fang (Deputy Chairman – Joint Research Schemes) 方漢明教授 (副主席－合作研究計劃)	University of Pennsylvania 賓夕法尼亞大學	2/2015
Prof Rosalie L Tung 董林雪英教授 (Deputy Chairman – Schemes for Individual Research) (副主席－個人研究資助計劃)	Simon Fraser University 西門菲莎大學	11/2018
Prof Ki-Joon Back	University of Houston 休士頓大學	11/2017
Prof Utpal Bhattacharya	The Hong Kong University of Science and Technology 香港科技大學	11/2017
Prof Frank Chen 陳友華教授	City University of Hong Kong 香港城市大學	3/2018
Prof Yuxin Chen 陳宇新教授	New York University Shanghai 上海紐約大學	1/2015
Prof Louis TW Cheng 鄭子雲教授	The Hong Kong Polytechnic University 香港理工大學	2/2016
Prof Hsing K. Cheng 鄭興教授	University of Florida 佛羅里達大學	11/2019
Prof Andrew Tat Tin Ching	Johns Hopkins University 約翰·霍普金斯大學	11/2020
Prof Yin-Wong Cheung 張賢旺教授	City University of Hong Kong 香港城市大學	11/2017
Prof Daniel A Cohen	Texas A&M University 德州農工大學	3/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Sudipto Dasgupta	The Chinese University of Hong Kong 香港中文大學	11/2017
Prof Andrew Delios	National University of Singapore 新加坡國立大學	1/2015
Prof David A. Griffith	Texas A&M University 德州農工大學	1/2016
Prof Zhaoyang Gu 顧朝陽教授	The Chinese University of Hong Kong 香港中文大學	1/2017
Prof Dogan Gursoy	Washington State University 華盛頓州立大學	4/2020
Prof Vernon N Hsu 徐寧教授	The Chinese University of Hong Kong 香港中文大學	3/2018
Prof Xu Huang 黃旭教授	Hong Kong Baptist University 香港浸會大學	2/2016
Prof Tim Woonghee Huh	University of British Columbia 英屬哥倫比亞大學	11/2019
Prof Mingming Leng 冷明明教授	Lingnan University 嶺南大學	4/2019
Prof Haitao Li 李海濤教授	Cheung Kong Graduate School of Business 長江商學院	1/2015
Prof Hongbin Li 李宏彬教授	Stanford University 史丹福大學	11/2018
Prof Hui Liao 廖卉教授	University of Maryland 馬里蘭大學	2/2015
Prof Xiumin Martin	Washington University 華盛頓大學	11/2019
Prof David Tat Chee Ng	Cornell University 康乃爾大學	11/2020
Prof Jeffrey Tee Yong Ng	The Hong Kong Polytechnic University 香港理工大學	11/2018
Prof Albert Francis Park	The Hong Kong University of Science and Technology 香港科技大學	11/2020
Prof Mike Peng	The University of Texas at Dallas 德克薩斯州大學達拉斯分校	11/2020
Prof Carol W. Shanklin	Kansas State University 堪薩斯州立大學	12/2018

Appendix C: Committee / Panel Membership 2020/21

附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Haipeng Shen 沈海鵬教授	The University of Hong Kong 香港大學	2/2019
Prof Jing-Sheng Jeannette Song	Duke University 杜克大學	11/2020
Prof Peng Sun 孫彭教授	Duke University 杜克大學	11/2018
Prof Zhigang Tao 陶志剛教授	The University of Hong Kong 香港大學	2/2015
Prof James Thong 湯永亮教授	The Hong Kong University of Science and Technology 香港科技大學	1/2015
Prof John Wei 魏國強教授	The Hong Kong Polytechnic University 香港理工大學	3/2020
Prof Eric Van Wincoop	University of Virginia 維吉尼亞大學	2/2017
Prof M.H. Franco Wong	University of Toronto 多倫多大學	12/2017
Prof Nancy Wong	University of Wisconsin-Madison 威斯康星大學麥迪遜分校	1/2016
Prof Sean Xin Xu	Tsinghua University 清華大學	11/2020
Prof Daphne Wing-yee Yiu 姚詠儀教授	The University of Oklahoma 奧克拉荷馬大學	11/2017
Prof Jiawei Zhang 張家偉教授	New York University 紐約大學	3/2018
Prof Wei Thoo Yue	City University of Hong Kong 香港城市大學	11/2020
Prof Harold Huibing Zhang 張慧冰教授	The University of Texas at Dallas 德克薩斯大學達拉斯分校	11/2019
Prof Xiaodong Zhu 朱曉冬教授	University of Toronto 多倫多大學	11/2019

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Subject Panels

學科小組

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Engineering 工程學		
Prof Jiun-shyan Chen (Chairman) 陳俊賢教授 (主席)	University of California, San Diego 加州大學聖地牙哥分校	7/2016
Prof Wing Kam Liu (Deputy Chairman – Joint Research Schemes) 廖榮錦教授 (副主席－合作研究計劃)	Northwestern University 西北大學	2/2015
Prof Jon Longtin (Deputy Chairman – Schemes for Individual Research) (副主席－個人研究資助計劃)	Stony Brook University 石溪大學	12/2014
Prof Dapeng Oliver Wu (Chairman, Computer Science & Information Technology and Electrical & Electronic Engineering Sub-Panel) 吳大鵬教授 (計算機科學及資訊科技暨電機 電子工程分組主席)	University of Florida 佛羅里達大學	12/2014
Prof Pedro J. Alvarez	Rice University 萊斯大學	11/2018
Prof Ronaldo I Borja	Stanford University 史丹福大學	1/2016
Prof Catherine Brinson	Duke University 杜克大學	11/2018
Prof Jian Cao	Northwestern University 西北大學	11/2018
Prof Albert Ping-chuen Chan 陳炳泉教授	The Hong Kong Polytechnic University 香港理工大學	1/2016
Prof Tung-sun Chan 陳東燊教授	The Hong Kong Polytechnic University 香港理工大學	3/2018
Prof Xiuli Chao 趙修利教授	University of Michigan, Ann Arbor 密芝根大學安娜堡分校	11/2018
Prof Lei Chen 陳雷教授	The Hong Kong University of Science and Technology 香港科技大學	1/2017

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Nan Chen 陳南教授	The Chinese University of Hong Kong 香港中文大學	2/2020
Prof Yingying Chen	Rutgers, The State University of New Jersey 羅格斯大學	11/2020
Prof Yiran Chen 陳怡然教授	Duke University 杜克大學	11/2019
Prof Eric Ka-wai Cheng 鄭家偉教授	The Hong Kong Polytechnic University 香港理工大學	1/2016
Prof Michael Kwok-keung Cheng 鄭國強教授	The Chinese University of Hong Kong 香港中文大學	1/2016
Prof Sai-on Cheung 張世安教授	City University of Hong Kong 香港城市大學	1/2017
Prof Yiu Ming Cheung 張曉明教授	Hong Kong Baptist University 香港浸會大學	11/2020
Prof George T C Chiu 邱祚之教授	Purdue University 普渡大學	1/2016
Prof Jason Tsan-ming Choi 蔡燦明教授	The Hong Kong Polytechnic University 香港理工大學	2/2020
Prof Ken P Chong 張建平教授	The George Washington University 喬治華盛頓大學	2/2019
Prof Wallace C H Choy 蔡植豪教授	The University of Hong Kong 香港大學	11/2017
Prof Henry S H Chung 鍾樹鴻教授	City University of Hong Kong 香港城市大學	11/2017
Prof Cunsheng Ding 丁存生教授	The Hong Kong University of Science and Technology 香港科技大學	1/2016
Prof Lucy E. Dunne	University of Minnesota 明尼蘇達大學	11/2020
Prof Horacio D. Espinosa	Northwestern University 西北大學	11/2020
Prof Jintu Fan 范金土教授	The Hong Kong Polytechnic University 香港理工大學	11/2019
Prof Gang Feng 馮剛教授	City University of Hong Kong 香港城市大學	11/2017
Prof Huajian Gao 高華健教授	Nanyang Technological University 南洋理工大學	11/2020

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Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Nasr M. Ghoniem	University of California, Los Angeles 洛杉磯加利福尼亞大學	11/2020
Dr Julio C. Guerrero	Exponent, Inc.	12/2018
Prof Song Guo 郭嵩教授	The Hong Kong Polytechnic University 香港理工大學	11/2017
Prof Kirill V. Horoshenkov	University of Sheffield 雪菲爾大學	4/2019
Prof Grace Yick Hsuan	Drexel University 德雷塞爾大學	11/2018
Prof Ji-jung Kai 開執中教授	City University of Hong Kong 香港城市大學	3/2018
Prof Jay C C Kuo 郭宗杰教授	University of Southern California 南加州大學	1/2017
Prof James Lam 林參教授	The University of Hong Kong 香港大學	2/2016
Prof William Hing-keung Lam 林興強教授	The Hong Kong Polytechnic University 香港理工大學	11/2018
Prof Kei-may Lau 劉紀美教授	The Hong Kong University of Science and Technology 香港科技大學	4/2020
Prof Andrew Chi-Sing Leung 梁志成教授	City University of Hong Kong 香港城市大學	1/2016
Prof Christopher K Y Leung 梁堅凝教授	The Hong Kong University of Science and Technology 香港科技大學	11/2017
Prof Baochun Li 李葆春教授	University of Toronto 多倫多大學	4/2019
Prof Haizhou Li 李海洲教授	National University of Singapore 新加坡國立大學	1/2017
Prof Qiusheng Li 李秋勝教授	City University of Hong Kong 香港城市大學	1/2017
Prof Wen-jung Li 李文榮教授	City University of Hong Kong 香港城市大學	11/2017
Prof Xiangdong Li 李向東教授	The Hong Kong Polytechnic University 香港理工大學	11/2020
Prof Yangmin Li 李楊民教授	The Hong Kong Polytechnic University 香港理工大學	11/2019
Prof Chee-wah Lim 林志華教授	City University of Hong Kong 香港城市大學	11/2017

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Ching-long Lin	The University of Iowa 愛荷華大學	11/2020
Prof Yilu Liu 劉奕路教授	The University of Tennessee, Knoxville 田納西大學	11/2020
Prof Yun-hui Liu 劉雲輝教授	The Chinese University of Hong Kong 香港中文大學	3/2020
Prof Siu-ming Lo 盧兆明教授	City University of Hong Kong 香港城市大學	3/2018
Prof Jane Wei-zhen Lu 盧偉真教授	City University of Hong Kong 香港城市大學	3/2018
Prof Yiu-wing Mai 米耀榮教授	The University of Sydney 悉尼大學	11/2017
Prof Muriel Medard	Massachusetts Institute of Technology 麻省理工學院	11/2019
Prof Chris Mi 米春亭教授	San Diego State University 聖地牙哥州立大學	3/2020
Prof Alexandru Morega	University Politehnica of Bucharest 布加勒斯特理工大學	11/2017
Prof Stephen T Newman	University of Bath 巴斯大學	12/2019
Prof Michael KP Ng 吳國寶教授	The University of Hong Kong 香港大學	2/2016
Prof Chin Pan 潘欽教授	City University of Hong Kong 香港城市大學	11/2018
Prof George J. Pappas	University of Pennsylvania 賓夕法尼亞大學	11/2018
Prof Witold Pedrycz	University of Alberta 阿爾伯塔大學	3/2018
Prof Chi-sun Poon 潘智生教授	The Hong Kong Polytechnic University 香港理工大學	11/2017
Prof Edwin Y B Pun 潘裕斌教授	City University of Hong Kong 香港城市大學	11/2017
Prof Geoffrey Qiping Shen 沈岐平教授	The Hong Kong Polytechnic University 香港理工大學	11/2017
Prof Weisong Shi 施巍松教授	Wayne State University 韋恩州立大學	11/2020
Prof Wan-chi Siu 蕭允治教授	The Hong Kong Polytechnic University 香港理工大學	3/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Steve Wai-ching Sun 孫維正教授	Columbia University 哥倫比亞大學	11/2020
Prof Kay-chen Tan 陳家進教授	City University of Hong Kong 香港城市大學	2/2019
Prof Hong Tang	Yale University 耶魯大學	1/2017
Prof Dacheng Tao 陶大程教授	The University of Sydney 悉尼大學	11/2019
Prof Raymond Kai-yu Tong 湯啟宇教授	The Chinese University of Hong Kong 香港中文大學	2/2019
Prof Danny Hin-kyok Tsang 曾憲國教授	The Hong Kong University of Science and Technology 香港科技大學	2/2019
Prof Hon-ki Tsang 曾漢奇教授	The Chinese University of Hong Kong 香港中文大學	3/2018
Prof Cho-li Wang 王卓立教授	The University of Hong Kong 香港大學	1/2017
Prof Grace Guiling Wang	New Jersey Institute of Technology 紐澤西理工學院	11/2020
Prof Jianping Wang 汪建平教授	City University of Hong Kong 香港城市大學	11/2018
Prof Min Wang 王敏教授	The University of Hong Kong 香港大學	1/2016
Prof Steve Wilcox	University of the Sunshine Coast 陽光海岸大學	2/2019
Prof Kelvin S K Wong 黃紹基教授	The University of Hong Kong 香港大學	11/2020
Prof Tien-tsin Wong 黃田津教授	The Chinese University of Hong Kong 香港中文大學	1/2016
Prof Ning Xi 席寧教授	The University of Hong Kong 香港大學	1/2016
Prof Tao Xie 謝濤教授	Peking University 北京大學	2/2019
Prof Jianbin Xu 許建斌教授	The Chinese University of Hong Kong 香港中文大學	11/2019
Prof Jianliang Xu 徐建良教授	Hong Kong Baptist University 香港浸會大學	1/2017

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附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Cary Yang 楊遠偉教授	Santa Clara University 聖塔克拉拉大學	2/2016
Prof Yuanyuan Yang 楊圓圓教授	Stony Brook University 石溪大學	11/2018
Prof Anthony Gar-on Yeh 葉嘉安教授	The University of Hong Kong 香港大學	11/2020
Prof Ben Young 楊立偉教授	The Hong Kong Polytechnic University 香港理工大學	3/2020
Prof Patrick Yue 俞捷教授	The Hong Kong University of Science and Technology 香港科技大學	11/2017
Prof Lei Zhang 張磊博士	The Hong Kong Polytechnic University 香港理工大學	11/2019
Prof Ming Zhang 張明教授	The Hong Kong Polytechnic University 香港理工大學	2/2017
Prof Nevin Zhang 張連文教授	The Hong Kong University of Science and Technology 香港科技大學	1/2017

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Subject Panels

學科小組

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月/年)
Humanities and Social Sciences 人文學及社會科學		
Prof Cindy Fan (Chairman) 范芝芬教授 (主席)	University of California, Los Angeles 加州大學洛杉磯分校	11/2010
Prof Elisabetta Corsi (Deputy Chairman – Joint Research Schemes) 伊麗教授 (副主席－合作研究計劃)	University of Rome, La Sapienza 羅馬大學	2/2015
Prof Paul Clark (Deputy Chairman – Schemes for Individual Research and Chairman, Humanities and Arts Sub-Panel) (副主席－個人研究資助計劃及 人文學及藝術分組主席)	The University of Auckland 奧克蘭大學	11/2011
Prof Zhuo Jing-Schmidt 井苗教授 (Chairman, Psychology and Linguistics Sub-Panel) (心理學及語言學分組主席)	University of Oregon 俄勒岡大學	11/2017
Prof Gigi Luk 陸智敏教授(Chairman, Education Sub-Panel) (教育分組主席)	McGill University 麥基爾大學	11/2013
Prof Björn Ahl 伯陽教授	University of Cologne 科隆大學	11/2019
Prof Kathleen Ahrens 安可思教授	The Hong Kong Polytechnic University 香港理工大學	11/2020
Prof Larry Catá Backer 白軻教授	The Pennsylvania State University 賓夕法尼亞州立大學	12/2018
Prof Brian James Baer	Kent State University 肯特州立大學	11/2020
Prof Michael Berry 白睿文教授	University of California, Los Angeles 加州大學洛杉磯分校	1/2017
Prof Casey Burkholder	University of New Brunswick 紐賓士域大學	11/2019

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Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Elizabeth Bye	University of Minnesota 明尼蘇達大學	3/2021
Prof Jinfa Cai 蔡金法教授	University of Delaware 特拉華大學	11/2017
Prof Ching-sing Chai 蔡敬新教授	The Chinese University of Hong Kong 香港中文大學	12/2018
Prof Jennifer Chan	The University of British Columbia 英屬哥倫比亞大學	11/2019
Prof Timothy WK Chan 陳偉強教授	Hong Kong Baptist University 香港浸會大學	1/2017
Prof Sylvia Xiaohua Chen 陳曉華教授	The Hong Kong Polytechnic University 香港理工大學	3/2018
Prof Dennis Kath-hung Cheng 鄭吉雄教授	The Education University of Hong Kong 香港教育大學	3/2020
Prof May Hung May Cheng 鄭美紅教授	The Education University of Hong Kong 香港教育大學	11/2020
Prof Hin-tat Cheung 張顯達教授	The Education University of Hong Kong 香港教育大學	1/2017
Dr Samuel KW Chu 朱啟華博士	The University of Hong Kong 香港大學	3/2017
Prof Cornelis de Bot	University of Groningen 格羅寧根大學	2/2016
Prof Joseph Dennis 戴思哲教授	University of Wisconsin Madison 威斯康辛大學麥迪遜分校	11/2019
Prof Ronald Egan 艾朗諾教授	Stanford University 史丹福大學	11/2020
Prof Eric A. Feldman 費艾克教授	University of Pennsylvania 賓夕法尼亞大學	11/2019
Prof Ronald Fischer	Victoria University of Wellington 威靈頓維多利亞大學	11/2018
Prof Eric Fong 方偉晶教授	The University of Hong Kong 香港大學	3/2018
Prof Helene HL Fung 馮海嵐教授	The Chinese University of Hong Kong 香港中文大學	1/2017
Prof David S G Goodman	Xi'an Jiaotong-Liverpool University 西交利物浦大學	11/2017
Prof Nan Greenwood	St George's University of London 倫敦大學聖喬治學院	11/2020

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Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Christine M Halse 賀潔婷教授	The Education University of Hong Kong 香港教育大學	11/2017
Prof Wen-Jui Han 韓文瑞教授	New York University 紐約大學	11/2020
Prof Samuel M.Y. Ho 何敏賢教授	City University of Hong Kong 香港城市大學	11/2019
Prof Michelle Ying-ling Huang 黃映玲教授	Lingnan University 嶺南大學	3/2020
Prof Yunte Huang 黃運特教授	Lingnan University 嶺南大學	11/2019
Prof Shirley Suet-lin Hung 洪雪蓮教授	Hong Kong Baptist University 香港浸會大學	12/2019
Prof Jiehong Jiang 姜節泓教授	Birmingham City University 伯明翰城市大學	1/2018
Prof Kendall A. Johnson 莊競滔教授	The University of Hong Kong 香港大學	11/2018
Prof Ilan Katz	University of New South Wales 新南威爾斯大學	12/2019
Prof Gina W.F. Lai 賴蘊寬教授	Hong Kong Baptist University 香港浸會大學	12/2018
Prof Icy Kit-bing Lee 李潔冰教授	The Chinese University of Hong Kong 香港中文大學	3/2020
Prof Maggy Lee 李淑儀教授	The University of Hong Kong 香港大學	12/2015
Prof Pui-wa Lei 李佩華教授	The Pennsylvania State University 賓夕法尼亞州立大學	3/2018
Prof Sandy S C Li 李兆璋教授	Hong Kong Baptist University 香港浸會大學	12/2018
Prof Xigen Li 李喜根教授	Shanghai University 上海大學	3/2018
Prof Jeffrey Liew	Texas A & M University 德州農工大學	11/2017
Prof George CS Lin 林初昇教授	The University of Hong Kong 香港大學	3/2018
Prof Yu-li Liu 劉幼琍教授	City University of Hong Kong 香港城市大學	11/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Meichun Liu 劉美君教授	City University of Hong Kong 香港城市大學	3/2018
Prof Carlos WH Lo 盧永鴻教授	The Chinese University of Hong Kong 香港中文大學	11/2017
Prof Daniel C Lynch 林丹教授	City University of Hong Kong 香港城市大學	12/2019
Prof Geraldine Macdonald	University of Bristol 布里斯托大學	12/2018
Prof Ann MacPhail	University of Limerick 利墨瑞克大學	11/2017
Prof Melanie Manion	Duke University 杜克大學	11/2020
Prof Raymond A. Mar	York University 約克大學	11/2018
Prof Toby Miller 托比 • 米勒教授	Loughborough University 拉夫堡大學	11/2019
Prof Tejaswini Niranjana 寧蒂珠教授	Lingnan University 嶺南大學	11/2020
Prof Michael O'Sullivan 麥可 • 歐蘇利文教授	The Chinese University of Hong Kong 香港中文大學	11/2020
Prof Diane Pecorari	City University of Hong Kong 香港城市大學	11/2020
Prof Franklin Perkins	University of Hawai'i at Mānoa 夏威夷大學馬諾阿分校	12/2017
Prof Shih-Lung Shaw 蕭世倫教授	The University of Tennessee, Knoxville 田納西大學諾克斯維爾分校	11/2019
Prof David Shum 岑浩強教授	The Hong Kong Polytechnic University 香港理工大學	11/2017
Prof Winnie WM So 蘇詠梅教授	The Education University of Hong Kong 香港教育大學	3/2018
Prof James A. Steintrager	University of California, Irvine 加利福尼亞大學爾灣分校	11/2018
Prof Michael Tawa	The University of Sydney 悉尼大學	11/2017
Prof Donggen Wang 王冬根教授	Hong Kong Baptist University 香港浸會大學	3/2018

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Christopher J Webster	The University of Hong Kong 香港大學	2/2016
Prof Patrick CM Wong 黃俊文教授	The Chinese University of Hong Kong 香港中文大學	1/2017
Prof Evaon Wong-Kim 王竹蘭教授	California State University, Los Angeles 加州州立大學洛杉磯分校	11/2020
Prof Laurence James Wood	The Education University of Hong Kong 香港教育大學	11/2020
Prof Weiping Wu 吳維平教授	Columbia University 哥倫比亞大學	11/2017
Prof Emilie Yueh-yu Yeh 葉月瑜教授	Lingnan University 嶺南大學	2/2014
Prof Mei Zhan	University of California, Irvine 加利福尼亞大學爾灣分校	11/2018
Prof Lei Zhong 鍾磊教授	The Chinese University of Hong Kong 香港中文大學	11/2019
Prof Hua Zhu 祝華教授	University of Birmingham 伯明翰大學	11/2017

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Subject Panels

學科小組

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月/年)
Physical Sciences 自然科學		
Prof Bill Milne (Chairman) (主席)	University of Cambridge 劍橋大學	11/2013
Prof Ralf Bundschuh (Deputy Chairman – Joint Research Schemes) (副主席－合作研究計劃)	The Ohio State University 俄亥俄州立大學	2/2015
Prof Wesley Cantwell (Deputy Chairman – Schemes for Individual Research) (副主席－個人研究資助計劃)	Khalifa University 哈里發大學	11/2013
Prof Pierre Braunstein	University of Strasbourg 斯特拉斯堡大學	3/2020
Prof Johnny CL Chan 陳仲良教授	City University of Hong Kong 香港城市大學	1/2017
Prof Kwok-sum Chan 陳國森教授	City University of Hong Kong 香港城市大學	2/2016
Prof Wang Ping Chen 陳望平教授	University of Illinois at Urbana-Champaign 伊利諾大學厄巴納－香檳分校	11/2019
Prof Xiaojun Chen 陳小君教授	The Hong Kong Polytechnic University 香港理工大學	11/2017
Prof Pauline Chiu 趙寶貽教授	The University of Hong Kong 香港大學	2/2019
Prof Jianping Gan 甘劍平教授	The Hong Kong University of Science and Technology 香港科技大學	2/2017
Prof Gian Francesco Giudice	CERN 歐洲核子研究組織	2/2016
Prof Nicholas J. Higham	The University of Manchester 曼徹斯特大學	11/2019
Prof I-ming Hsing 邢怡銘教授	The Hong Kong University of Science and Technology 香港科技大學	11/2017
Prof Lam Hui 許林教授	Columbia University 哥倫比亞大學	11/2018
Prof Arie Iserles	University of Cambridge 劍橋大學	3/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Lancelot F. James 在林壽教授	The Hong Kong University of Science and Technology 香港科技大學	11/2020
Prof Chi-yung Jim 詹志勇教授	The Education University of Hong Kong 香港教育大學	11/2018
Prof Fuk-yee Kwong 鄭福兒教授	The Chinese University of Hong Kong 香港中文大學	1/2017
Prof Daniel Shu-ping Lau 劉樹平教授	The Hong Kong Polytechnic University 香港理工大學	3/2020
Prof Tai-chu Lau 劉大鏞教授	City University of Hong Kong 香港城市大學	3/2018
Prof Ting-kuo Lee 李定國教授	Academia Sinica 中央研究院	2/2016
Prof Young Hee Lee 成均館大學	Sungkyunkwan University 成均館大學	11/2019
Prof Conan Nai-chung Leung 梁迺聰教授	The Chinese University of Hong Kong 香港中文大學	2/2019
Prof Jun Li 李駿教授	Stanford University 史丹福大學	11/2018
Prof Weiping Li 李衛平教授	The Hong Kong University of Science and Technology 香港科技大學	3/2018
Prof Hongyu Liu 劉宏宇教授	City University of Hong Kong 香港城市大學	11/2018
Prof Chengde Mao 毛誠德教授	Purdue University 普渡大學	4/2019
Dr Nga-lee Ng 吳雅莉博士	Georgia Institute of Technology 喬治亞理工學院	3/2020
Prof John R Owen 南安普敦大學	University of Southampton 南安普敦大學	11/2017
Prof Andrey Rogach 香港城市大學	City University of Hong Kong 香港城市大學	3/2018
Prof Qi-man Shao 邵啟滿教授	The Chinese University of Hong Kong 香港中文大學	12/2018
Prof Hongzhe Sun 孫紅哲教授	The University of Hong Kong 香港大學	11/2020
Prof Min Sun 孫敏教授	The University of Hong Kong 香港大學	11/2019
Prof Simon F. B. Tett 愛丁堡大學	The University of Edinburgh 愛丁堡大學	1/2019

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 學科小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Christopher Tout	University of Cambridge 劍橋大學	3/2018
Prof Jianfang Wang 王建方教授	The Chinese University of Hong Kong 香港中文大學	3/2018
Prof Xiaoping Wang 王筱平教授	The Hong Kong University of Science and Technology 香港科技大學	4/2020
Prof Yinsheng Wang 汪寅生教授	University of California, Riverside 加州大學河濱分校	2/2016
Prof Ricky Man-shing Wong 黃文成教授	Hong Kong Baptist University 香港浸會大學	2/2017
Prof Teng-fong Wong 黃庭芳教授	The Chinese University of Hong Kong 香港中文大學	3/2020
Prof Zhouping Xin 辛周平教授	The Chinese University of Hong Kong 香港中文大學	11/2018
Prof Vivian W.W. Yam 任詠華教授	The University of Hong Kong 香港大學	11/2019
Prof Tong Yang 楊彤教授	City University of Hong Kong 香港城市大學	11/2019
Prof Wang Yao 姚望教授	The University of Hong Kong 香港大學	11/2017
Dr Zhongping Yao 姚鍾平博士	The Hong Kong Polytechnic University 香港理工大學	2/2019
Prof Zhiliang Ying 應志良教授	Columbia University 哥倫比亞大學	11/2018
Prof Jianzhen Yu 郁建珍教授	The Hong Kong University of Science and Technology 香港科技大學	11/2020
Prof Qiming Zhou 周啟鳴教授	Hong Kong Baptist University 香港浸會大學	3/2018
Prof Jun Zou 鄒軍教授	The Chinese University of Hong Kong 香港中文大學	3/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Collaborative Research Fund Selection Panel

協作研究金評審小組¹

Panel Member 小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Paul K L Yu (Chair) 余劭離教授 (主席)	University of California, San Diego 加州大學聖地牙哥分校	7/2017
Professor Pedro J. Alvarez	Rice University 萊斯大學	3/2020
Professor Ki-Joon Back	University of Houston 休士頓大學	3/2020
Dr Amitava Banerjee	University College London 倫敦大學學院	7/2020
Professor Rudolf Bauer 鮑儒德教授	University of Graz 卡爾·弗朗茨斯格拉茨大學	7/2020
Professor Yuri Bazilevs	Brown University 布朗大學	7/2020
Professor Seth Blackshaw	Johns Hopkins University School of Medicine 約翰斯·霍普金斯大學醫學院	3/2020
Professor Ronaldo I. Borja	Stanford University 史丹福大學	3/2020
Professor Catherine L. Brinson	Duke University 杜克大學	3/2020
Professor Ralf Bundschuh	The Ohio State University 俄亥俄州立大學	7/2020
Professor Casey Burkholder	University of New Brunswick 紐賓士域大學	7/2020
Professor Joseph Buxbaum	Icahn School of Medicine at Mount Sinai 西奈山伊坎醫學院	3/2020
Professor Wesley Cantwell	Khalifa University, Abu Dhabi 阿布扎比哈利法大學	7/2020
Professor Jian Cao 曹簡教授	Northwestern University 西北大學	7/2020
Professor Gregory P. Carman	University of California, Los Angeles 加州大學洛杉磯分校	3/2020
Professor Xiuli Chao 趙修利教授	University of Michigan 密芝根大學安娜堡分校	3/2020

¹ CRF Committee was re-titled to CRF Selection Panel and put under the Collaborative Research Projects Steering Committee in June 2021.
協作研究金委員會於2021年6月改稱為協作研究金評審小組，並納入為協作研究項目督導委員會轄下的其中一個評審小組。

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Professor Chang Wen Chen 陳長汶教授	The State University of New York at Buffalo 紐約州立大學水牛城分校	3/2020
Professor Jiun-shyan Chen 陳俊賢教授	University of California, San Diego 加州大學聖地牙哥分校	7/2016
Professor Meng Chen 陳濛教授	University of California, Riverside 加州大學河濱分校	3/2020
Professor Wang-Ping Chen 陳望平教授	University of Illinois (Urbana-Champaign) 伊利諾大學厄巴納－香檳分校	3/2020
Professor Ying Cheong	University of Southampton 南安普敦大學	3/2020
Professor Manish Chhowalla	University of Cambridge 劍橋大學	3/2020
Professor George T.C. Chiu 邱祚之教授	Purdue University 普渡大學	7/2020
Dr Rajiv Chowdhury 拉吉夫・喬杜里博士	University of Cambridge 劍橋大學	7/2020
Professor Yip-wah Chung, BBS 鍾業華教授, BBS	Northwestern University 西北大學	7/2018
Professor Paul Clark 康浩教授	The University of Auckland 奧克蘭大學	7/2014
Professor Zheng Dong 董政教授	Medical College of Georgia at Augusta University 奧古斯塔大學－佐治亞州醫學院	3/2020
Professor Michael P Doyle 邁克爾・多伊教授	The University of Texas at San Antonio 德克薩斯大學聖安東尼奧分校	7/2015
Dr Marlene Dreux	INSERM (Lyon) 法國國家健康與醫學研究院	7/2020
Professor Lucy Dunne	University of Minnesota 明尼蘇達大學	7/2020
Professor Cindy Fan 范芝芬教授	University of California, Los Angeles 加州大學洛杉磯分校	8/2017
Professor James Fawcett	University of Cambridge 劍橋大學	11/2019
Professor Eric A. Feldman 費艾克教授	University of Pennsylvania Law School 賓夕法尼亞大學法學院	7/2020
Professor Ronald Fischer	Victoria University of Wellington 威靈頓維多利亞大學	7/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Dr Pablo Gastaminza	Centro Nacional de Biotecnología 西班牙國家生物技術中心	7/2020
Professor Piper R Gaubatz	University of Massachusetts 麻省大學	7/2020
Professor Gian Francesco Giudice 吉安・弗朗切斯科・朱迪切教授	The European Organization for Nuclear Research (CERN) 歐洲核子研究組織	3/2020
Professor David Stephen Gordon Goodman 古德曼教授	The University of Sydney 悉尼大學	3/2020
Professor Jennifer Rubin Grandis	University of California, San Francisco 加州大學舊金山分校	3/2020
Dr Jonathan Grimes	Oxford University 牛津大學	7/2020
Dr Julio C. Guerrero	Massachusetts Institute of Technology 麻省理工學院	7/2020
Professor Thomas H. Hahn	University of California, Los Angeles 加州大學洛杉磯分校	7/2020
Professor Stephen John Hawkins	University of Southampton 南安普敦大學	3/2020
Professor Tamara Hervey	University of Sheffield 雪菲爾大學	7/2020
Professor Kirill V. Horoshenkov	University of Sheffield 雪菲爾大學	3/2020
Professor Grace Yick Hsuan	Drexel University 德雷塞爾大學	7/2020
Professor Woonghee Tim Huh	University of British Columbia 英屬哥倫比亞大學	7/2020
Professor Lam Hui 許林教授	Columbia University 哥倫比亞大學	3/2020
Professor William N Hunter	University of Dundee, Scotland 鄧迪大學	3/2020
Professor Chennupati Jagadish	Australia National University 澳洲國立大學	3/2020
Professor Ladd Johnson	Laval University 拉瓦爾大學	3/2020
Professor Raymond Kan 簡文豹教授	University of Toronto 多倫多大學	7/2017

Appendix C: Committee / Panel Membership 2020/21

附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Professor Yibin Kang 康毅濱教授	Princeton University 普林斯頓大學	3/2020
Dr Julia Kenyon	University of Cambridge 劍橋大學	7/2020
Professor Kay Tee Khaw	University of Cambridge 劍橋大學	3/2020
Professor Arthur Kim	Massachusetts General Hospital 麻省總醫院	7/2020
Professor Philip T Krein	The University of Illinois at Urbana-Champaign 伊利諾大學厄巴納－香檳分校	3/2020
Professor Mansun Law	The Scripps Research Institute 斯克里普斯研究所	3/2020
Professor Ting-Kuo Lee 李定國教授	National Sun Yat-sen University, Kaoshiung 國立中山大學	3/2020
Professor Brendan M Leung	Dalhousie University 戴爾豪斯大學	7/2020
Professor Andrew Michael Lever	University of Cambridge 劍橋大學	3/2020
Professor Baochun Li 李葆春教授	University of Toronto 多倫多大學	3/2020
Professor Eddy Foo-yew Liew 劉富友教授	University of Glasgow 格拉斯哥大學	7/2020
Professor Jeffrey Liew	Texas A & M University 德州農工大學	7/2020
Professor Wing Kam Liu 廖榮錦教授	Northwestern University 西北大學	3/2020
Professor Kenneth J Loh	University of California, San Diego 加州大學聖地牙哥分校	3/2020
Professor Nicholas J Long	Imperial College London 倫敦帝國學院	3/2020
Dr Yongxu Lu	University of Cambridge 劍橋大學	7/2020
Professor Gigi Luk 陸智敏教授	McGill University 麥基爾大學	3/2020
Professor Anita Mak 麥呂瑞華教授	University of Canberra 坎培拉大學	7/2017
Professor Chengde Mao 毛誠德教授	Purdue University 普渡大學	7/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Professor Raymond A. Mar	York University 約克大學	7/2020
Professor Bill Milne	University of Cambridge 劍橋大學	9/2017
Dr Hoi Ping Mok	University of Cambridge 劍橋大學	7/2020
Professor Alexandru Morega	University Politehnica of Bucharest 布加勒斯特理工大學	3/2020
Professor Dr Kevin O'Shaughnessy	University of Cambridge 劍橋大學	3/2020
Professor John R Owen	University of Southampton 南安普敦大學	3/2020
Professor George J. Pappas	University of Pennsylvania 賓夕法尼亞大學	7/2020
Professor Witold Pedrycz	University of Alberta 阿爾伯塔大學	7/2020
Professor Jian Pei 裴健教授	Simon Fraser University 西門菲沙大學	3/2020
Dr Alexander Ploss	Princeton University 普林斯頓大學	7/2020
Professor Jonas Rosendahl	University of Halle-Wittenberg 哈雷－維滕貝格大學	3/2020
Professor Carol W. Shanklin	Kansas State University 堪薩斯州立大學	7/2020
Professor Feng Shao 邵峰教授	National Institute of Biological Sciences, Beijing 北京生命科學研究所	3/2020
Dr Shih-lung Shaw 蕭世倫教授	The University of Tennessee, Knoxville 田納西大學諾克斯維爾分校	7/2020
Professor Pei-Yong Shi 史佩勇教授	University of Texas Medical Branch 德克薩斯大學醫學分部	7/2020
Professor Jay Siegel 傑伊・西格爾教授	Tianjin University 天津大學	7/2014
Professor Richard Strugnell	The University of Melbourne 墨爾本大學	7/2016
Professor Steve Waiching Sun 孫維正教授	Columbia University 哥倫比亞大學	7/2020
Professor Peng Sun 孫彭教授	Duke University 杜克大學	7/2020

Appendix C: Committee / Panel Membership 2020/21

附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Professor David T. Takeuchi	University of Washington 華盛頓大學	3/2020
Professor Hong Tang	Yale University 耶魯大學	3/2020
Professor Dacheng Tao 陶大程教授	The University of Sydney 悉尼大學	7/2020
Professor Michael Tawa	The University of Sydney 悉尼大學	7/2020
Professor Simon F.B. Tett	University of Edinburgh 愛丁堡大學	3/2020
Professor Christopher Tout	University of Cambridge 劍橋大學	3/2020
Professor Rosalie Tung 董林雪英教授	Simon Fraser University 西門菲莎大學	7/2020
Professor Xiao-Fan Wang 王小凡教授	Duke University 杜克大學	3/2020
Professor Yinsheng Wang 汪寅生教授	University of California, Riverside 加州大學河濱分校	3/2020
Professor Ferranti See Leng Wong	Queen Mary University of London 倫敦大學瑪麗皇后學院	3/2020
Professor Nancy Wong	University of Wisconsin-Madison 威斯康星大學麥迪遜分校	3/2020
Professor Dapeng Oliver Wu 吳大鵬教授	University of Florida 佛羅里達大學	7/2020
Professor Weiping Wu 吳維平教授	Columbia University 哥倫比亞大學	3/2020
Professor Tao Xie 謝濤教授	Peking University 北京大學	3/2020
Professor Yushan Yan 嚴玉山教授	University of Delaware 特拉華大學	3/2020
Professor Cary Yang 楊遠偉教授	Santa Clara University 聖塔克拉拉大學	3/2020
Professor Xian-Jie Yang	UCLA School of Medicine 加州大學洛杉磯分校醫學院	3/2020
Professor Edward S Yeung 楊仕成教授	Iowa State University 愛荷華州立大學	7/2014
Professor Hongtao Yu 於洪濤教授	The University of Texas 德克薩斯州大學	3/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Professor May Yuan 袁玫教授	The University of Texas at Dallas 德克薩斯州大學達拉斯分校	3/2020
Professor Mei Zhan 詹梅教授	University of California, Irvine 加州大學爾灣分校	7/2020
Professor Tian Cheng Zhang 張天成教授	Columbia University 哥倫比亞大學	3/2020
Professor Michael Q Zhang 張奇偉教授	The University of Texas at Dallas 德克薩斯州大學達拉斯分校	7/2020
Professor Tao Zhang 張濤教授	Chinese Academy of Sciences 中國科學院	3/2020
Professor Huibing Harold Zhang 張慧冰教授	The University of Texas at Dallas 德克薩斯州大學達拉斯分校	7/2020
Professor Chunfeng Zhao 趙春風教授	Mayo Clinic 梅約臨床醫學院	3/2020
Professor Ming Hao Zheng 鄭銘豪教授	The University of Western Australia 西澳大學	3/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Collaborative Research Projects Steering Committee (formerly Major Projects Steering Committee) 協作研究項目督導委員會(前身為「大型研究項目督導委員會」)

Committee Member 委員會成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Edward Sze-shing Yeung (Chairman) 楊仕成教授 (主席)	Iowa State University 愛荷華州立大學	6/2021
Prof Ronaldo Borja	Stanford University 史丹福大學	6/2021
Prof Cindy Fan 范芝芬教授	University of California, Los Angeles 加州大學洛杉磯分校	6/2021
Prof James Fawcett	University of Cambridge 劍橋大學	6/2021
Prof Raymond Kan 簡文豹教授	University of Toronto 多倫多大學	6/2021
Prof Bill Milne	University of Cambridge 劍橋大學	6/2021
Prof Paul K L Yu 余劭離教授	University of California, San Diego 加州大學聖地牙哥分校	6/2021

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Areas of Excellence Selection Panel

卓越學科領域計劃遴選小組

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Edward Sze-shing Yeung (Chairman) 楊仕成教授 (主席)	Iowa State University 愛荷華州立大學	7/2017
Prof Ralf Bundschuh	The Ohio State University 俄亥俄州立大學	3/2020
Prof Wesley Cantwell	Khalifa University of Science Technology and Research 哈利法科技研究大學	4/2020
Prof Gregory P Carman	University of California, Los Angeles 加州大學洛杉磯分校	4/2020
Prof Sabri Cetin	University of Illinois at Chicago 伊利諾大學芝加哥分校	3/2020
Prof Jiun-shyan Chen 陳俊賢教授	University of California, San Diego 加州大學聖地牙哥分校	7/2016
Prof Wang-ping Chen 陳望平教授	University of Illinois 伊利諾大學	3/2020
Prof Paul Clark	The University of Auckland 奧克蘭大學	4/2020
Prof Cindy Fan 范芝芬教授	University of California, Los Angeles 加州大學洛杉磯分校	7/2018
Prof James Fawcett	University of Cambridge 劍橋大學	9/2019
Prof David S G Goodman	Xi'an Jiaotong-Liverpool University 西交利物浦大學	3/2020
Prof Tim Woonghee Huh	University of British Columbia 英屬哥倫比亞大學	3/2020
Prof Lam Hui 許林教授	Columbia University 哥倫比亞大學	3/2020
Prof H V Jagadish	University of Michigan 密芝根大學	3/2018
Prof Raymond Kan 簡文豹教授	University of Toronto 多倫多大學	7/2017
Prof Yibin Kang 康毅濱教授	Princeton University 普林斯頓大學	3/2018

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Kay Tee Khaw	University of Cambridge 劍橋大學	3/2020
Prof Mansun Law	The Scripps Research Institute 斯克里普斯研究所	3/2020
Prof Ting-kuo Lee 李定國教授	National Sun Yat-sen University 國立中山大學	3/2020
Prof Young-hee Lee	Sungkyunkwan University 成均館大學	3/2020
Prof Wing-kam Liu 廖榮錦教授	Northwestern University 西北大學	3/2016
Prof Fanxin Long	University of Pennsylvania 賓夕法尼亞大學	3/2020
Prof Geraldine Macdonald	University of Bristol 布里斯托大學	3/2020
Prof Bill Milne	University of Cambridge 劍橋大學	9/2017
Prof Jonas Rosendahl	University of Halle-Wittenberg 哈雷－維滕貝格大學	3/2020
Prof Jay Siegel	Tianjin University 天津大學	3/2018
Prof Simon F B Tett	The University of Edinburgh 愛丁堡大學	3/2020
Prof Masayoshi Tomizuka 富塚誠義教授	University of California, Berkeley 加州大學柏克萊分校	3/2020
Prof Rosalie L Tung 董林雪英教授	Simon Fraser University 西門菲沙大學	4/2020
Prof Yinsheng Wang 汪寅生教授	University of California, Riverside 加州大學河濱分校	1/2016
Prof William M Worek	Texas A&M University - Kingsville 德克薩斯州農工大學金斯維爾分校	1/2016
Prof Hongtao Yu 于洪濤教授	University of Texas 德克薩斯州大學	4/2020
Prof Paul K L Yu 余劭離教授	University of California, San Diego 加州大學聖地牙哥分校	3/2018
Prof Harold Zhang 張慧冰教授	University of Texas at Dallas 德克薩斯州大學達拉斯分校	3/2020
Prof Xiaodong Zhu 朱曉冬教授	University of Toronto 多倫多大學	3/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Theme-based Research Scheme Selection Panel

主題研究計劃遴選小組

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Edward Sze-shing Yeung (Chairman) 楊仕成教授 (主席)	Iowa State University 愛荷華州立大學	7/2017
Prof Wesley Cantwell	Khalifa University of Science Technology and Research 哈利法科技研究大學	7/2020
Prof Sabri Cetin	University of Illinois at Chicago 伊利諾大學芝加哥分校	7/2016
Dr Hon-fai Chan 陳漢輝博士	Cinotech Consultants Limited	8/2019
Prof Jiun-shyan Chen 陳俊賢教授	University of California, San Diego 加州大學聖地牙哥分校	8/2018
Prof Jin-chuan Duan 段錦泉教授	National University of Singapore 新加坡國立大學	11/2017
Prof Cindy Fan 范芝芬教授	University of California, Los Angeles 加州大學洛杉磯分校	8/2017
Prof James Fawcett	University of Cambridge 劍橋大學	9/2019
Prof Raymond Kan 簡文豹教授	University of Toronto 多倫多大學	7/2017
Prof Yibin Kang 康毅濱教授	Princeton University 普林斯頓大學	8/2017
Prof Kay Tee Khaw	University of Cambridge 劍橋大學	7/2020
Prof Mansun Law	The Scripps Research Institute 斯克里普斯研究所	7/2020
Prof Wing-kam Liu 廖榮錦教授	Northwestern University 西北大學	11/2015
Prof Fanxin Long	University of Pennsylvania 賓夕法尼亞大學	7/2020
Prof Sylvie Lorente	Villanova University 維拉諾華大學	8/2019
Prof Bill Milne	University of Cambridge 劍橋大學	9/2019

Appendix C: Committee / Panel Membership 2020/21

附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Mr Victor Ng 吳國豪先生	Micom Tech Limited	8/2019
Prof Jonas Rosendahl	University of Halle-Wittenberg 哈雷－維滕貝格大學	7/2020
Prof Jay Siegel	Tianjin University 天津大學	7/2016
Prof Richard Strugnell	The University of Melbourne 墨爾本大學	7/2020
Prof Masayoshi Tomizuka 富塚誠義教授	University of California, Berkeley 加州大學柏克萊分校	11/2015
Prof Rosalie L Tung 董林雪英教授	Simon Fraser University 西門菲莎大學	4/2020
Prof Andrew J Whittle	Massachusetts Institute of Technology 麻省理工學院	7/2018
Prof Nancy Y Wong	University of Wisconsin-Madison 威斯康辛大學麥迪遜分校	7/2020
Prof Hongtao Yu 于洪濤教授	University of Texas 德克薩斯州大學	4/2020
Prof Paul K L Yu 余劭離教授	University of California, San Diego 加州大學聖地牙哥分校	7/2015
Prof Harold Zhang 張慧冰教授	University of Texas at Dallas 德克薩斯州大學達拉斯分校	10/2018
Prof Xiaodong Zhu 朱曉冬教授	University of Toronto 多倫多大學	11/2017

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Research Impact Fund Committee

研究影響基金委員會

Committee Member 委員會成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Yip-wah Chung, BBS (Chairman) 鍾業華教授, BBS (主席)	Northwestern University 西北大學	3/2018
Prof Owen Addison	King's College London 倫敦國王學院	4/2018
Prof Daniel Alexander	University College London 倫敦大學學院	4/2018
Prof Soon Ang	Nanyang Technological University 南洋理工大學	4/2018
Prof Brian James Baer	Kent State University 肯特州立大學	3/2021
Prof Eileen Breslin	The University of Texas Health Science Centre 德克薩斯大學醫學中心	4/2018
Prof Heather Campbell	University of British Columbia 英屬哥倫比亞大學	5/2018
Prof Yihai Cao 曹義海教授	Karolinska Institutet 卡羅琳斯卡學院	3/2021
Prof Xiao-Ping Chen 陳曉萍教授	University of Washington 華盛頓大學	3/2018
Prof George T. C. Chiu 邱祚之教授	Purdue University 普渡大學	5/2020
Prof Ken P Chong 張建平教授	The George Washington University 喬治華盛頓大學	3/2021
Prof Justin Jang Hann Chu	National University of Singapore 新加坡國立大學	3/2021
Prof Michael P Doyle	The University of Texas at San Antonio 德克薩斯大學聖安東尼奧分校	3/2018
Prof Hanming Fang 方漢明教授	University of Pennsylvania 賓夕凡尼亞大學	5/2020
Prof William Grabe	Northern Arizona University 北亞利桑那大學	4/2018
Prof Jianguo Guan 官建國教授	Wuhan University of Technology 武漢理工大學	4/2018
Prof Tamara Hervey	City University of London 倫敦城市大學	5/2018
Prof Brad Holschuh	University of Minnesota 明尼蘇達大學	3/2021

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Committee Member 委員會成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Jeffrey Hu	Georgia Institute of Technology 喬治亞理工學院	4/2018
Prof William N Hunter	University of Dundee 鄧迪大學	3/2018
Prof Zhigang Jiang 江志剛教授	Georgia Institute of Technology 喬治亞理工學院	5/2018
Dr Song Jin	University of Wisconsin, Madison 威斯康辛大學麥迪遜分校	3/2021
Dr Sunil Kukreja	Scientific Systems Company, Inc.	4/2018
Prof Terry Lamb	University of Westminster 西敏寺大學	4/2018
Prof Seung-Wuk Lee	University of California, Berkeley 加州大學伯克利分校	4/2018
Prof Kai Li	University of British Columbia 英屬哥倫比亞大學	5/2020
Prof Lingjun Li 李靈軍教授	University of Wisconsin, Madison 威斯康辛大學麥迪遜分校	4/2018
Prof Shaofan Li 李少凡教授	University of California, Berkeley 加州大學伯克利分校	4/2018
Dr Ruifeng Liang 梁瑞鳳博士	West Virginia University 西維吉尼亞大學	4/2018
Prof Peter K. Liaw 廖楷輝教授	The University of Tennessee, Knoxville 田納西大學諾克斯維爾分校	4/2018
Prof Wing-kam Liu 廖榮錦教授	Northwestern University 西北大學	3/2018
Prof Peter Lucas	University of Twente 屯特大學	5/2018
Prof Vincent Mak 麥華嵩教授	University of Cambridge 劍橋大學	4/2018
Prof Stuart Maudsley	University of Antwerp 安特衛普大學	4/2018
Prof Chris Mi	San Diego State University 聖地牙哥州立大學	4/2018
Prof Tracey Moore	The University of Sheffield 謝菲爾德大學	5/2018

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Committee Member 委員會成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Ray Owens	University of Oxford 牛津大學	4/2018
Prof Jian Pei 裴健教授	Simon Fraser University 西門菲莎大學	5/2018
Prof Luis Perez-Gonzalez	University of Agder 阿格德爾大學	3/2021
Mr Michael Pidd	The University of Sheffield 謝菲爾德大學	5/2018
Prof Dong Qian	University of Texas at Dallas 德克薩斯州大學達拉斯分校	3/2021
Prof Subramanian Ramaswamy	Purdue University 普渡大學	4/2018
Prof Matthias Schwab	University of Tübingen 杜賓根大學	4/2018
Prof Steve Waiching Sun 孫維正教授	Columbia University 哥倫比亞大學	3/2021
Prof Yong Tan 譚勇教授	University of Washington 華盛頓大學	4/2018
Prof Shaoqiang Tang 唐少強教授	Peking University 北京大學	4/2018
Prof Jinhua Wang	University of Minnesota 明尼蘇達大學	5/2018
Prof Bridgette Wessels	University of Glasgow 格拉斯哥大學	4/2018
Prof David Winkler	Monash University 蒙納殊大學	4/2018
Prof Dapeng Oliver Wu 吳大鵬教授	University of Florida 佛羅里達大學	4/2018
Prof Won-Sub Yoon	Sungkyunkwan University 成均館大學	4/2018
Prof Raymond Yung	University of Michigan 密西根大學	4/2018
Prof Yongjie Jessica Zhang	Carnegie Mellon University 卡尼基美隆大學	5/2018
Prof Hongcai Joe Zhou 周宏才教授	Texas A&M University 德州農工大學	5/2018

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Steering Committee on Competitive Research Funding for the Self-financing Degree Sector 自資學位界別競逐研究資助督導委員會

Committee Member 委員會成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Yuk-shan Wong, SBS, JP (Chairman) 黃玉山教授, SBS, JP (主席)	The Open University of Hong Kong 香港公開大學	3/2021
Prof Che-ting Chan 陳子亭教授	The Hong Kong University of Science and Technology 香港科技大學	10/2016
Prof Patrick Yam-keung Chau 周蔭強教授	The University of Hong Kong 香港大學	10/2018
Prof Helen Mei-ling Meng 蒙美玲教授	The Chinese University of Hong Kong 香港中文大學	10/2013
Prof Catherine Tien-lun Sun 孫天倫教授	Hong Kong Shue Yan University 香港樹仁大學	10/2018
Prof Eden Siu-hung Yu 俞肇熊教授	Chu Hai College of Higher Education 珠海學院	10/2016
Mr Esmond Chung-sin Lee, JP (Ex-officio Member) 李忠善先生, JP (當然成員)	Education Bureau, HKSAR Government 香港特別行政區教育局	10/2019

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Assessment Panel for Competitive Research Funding Schemes for the Local Self-financing Degree Sector

本地自資學位界別競逐研究資助計劃評審小組

Panel Member 小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Helen Mei-ling Meng (Chairman) 蒙美玲教授(主席)	The Chinese University of Hong Kong 香港中文大學	9/2016
Prof Che-ting Chan (Subject Convenor (Physical Sciences)) 陳子亭教授 (學科召集人(自然科學))	The Hong Kong University of Science and Technology 香港科技大學	2/2016
Prof George Guo-quan Huang (Subject Convenor (Engineering)) 黃國全教授 (學科召集人(工程學))	The University of Hong Kong 香港大學	3/2016
Prof Julie Juan Li (Subject Convenor (Business Studies)) 李娟教授 (學科召集人(商學))	City University of Hong Kong 香港城市大學	3/2020
Prof Kenneth Kuen-fung Sin (Subject Convenor (Humanities and Social Sciences)) 冼權鋒教授 (學科召集人(人文學及社會科學))	The Education University of Hong Kong 香港教育大學	10/2017
Prof Chris Kong-chu Wong (Subject Convenor (Biology and Medicine)) 黃港住教授 (學科召集人(生物學及醫學))	Hong Kong Baptist University 香港浸會大學	3/2020
Prof Alan Hoi-shou Chan 陳海壽教授	City University of Hong Kong 香港城市大學	3/2020
Prof Kalok Chan 陳家樂教授	The Chinese University of Hong Kong 香港中文大學	3/2018
Prof Allan Kit-kwong Chan 陳潔光教授	The Open University of Hong Kong 香港公開大學	3/2018
Prof Ngai-hang Chan 陳毅恆教授	The Chinese University of Hong Kong 香港中文大學	3/2018

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Felix Tung-sun Chan 陳東燊教授	The Hong Kong Polytechnic University 香港理工大學	3/2017
Prof Christy Mei-kwan Cheung 張美君教授	Hong Kong Baptist University 香港浸會大學	3/2019
Prof Stephen Yiu-wai Chu 朱耀偉教授	The University of Hong Kong 香港大學	3/2017
Prof Cecilia Ka-wai Chun 秦家慧教授	The Chinese University of Hong Kong 香港中文大學	3/2018
Prof David Faure 科大衛教授	The Chinese University of Hong Kong 香港中文大學	3/2018
Prof Alex Jingwei He 和經緯教授	The Education University of Hong Kong 香港教育大學	3/2021
Prof Sylvia Ying He 何穎教授	The Chinese University of Hong Kong 香港中文大學	3/2020
Prof Kin-fai Ho 何建輝教授	The Chinese University of Hong Kong 香港中文大學	3/2020
Prof Daniel Sai-yin Ho 何世賢教授	The University of Hong Kong 香港大學	3/2021
Prof Timothy Chi-yui Kwok 郭志銳教授	The Chinese University of Hong Kong 香港中文大學	3/2017
Prof Sylvia Yuk-ching Kwok Lai 郭黎玉晶教授	City University of Hong Kong 香港城市大學	3/2021
Prof Paul Sau-him Lau 劉修謙教授	The University of Hong Kong 香港大學	3/2020
Prof Joseph Tak-fai Lau 劉德輝教授	The Chinese University of Hong Kong 香港中文大學	3/2017
Prof Joe Shing-yip Lee 李成業教授	The Chinese University of Hong Kong 香港中文大學	3/2021
Prof Wu Liu 劉武教授	The Hong Kong Polytechnic University 香港理工大學	3/2021
Prof Barbara Chuen-yee Lo 羅傳意教授	Lingnan University 嶺南大學	3/2020
Prof Wilson Wei-sheng Lu 呂偉生教授	The University of Hong Kong 香港大學	3/2018
Prof Tony Hong-wing Tam 譚康榮教授	The Chinese University of Hong Kong 香港中文大學	3/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Chiu-kay Tang 鄧昭祺教授	Chu Hai College of Higher Education 珠海學院	3/2016
Prof Man-lai Tang 鄧文禮教授	The Hang Seng University of Hong Kong 香港恒生大學	4/2016
Prof Hau-san Wong 黃厚生教授	City University of Hong Kong 香港城市大學	3/2020
Prof Frances Kam-yuet Wong 黃金月教授	The Hong Kong Polytechnic University 香港理工大學	3/2021
Prof Raymond Wai-yeung Wong 黃維揚教授	The Hong Kong Polytechnic University 香港理工大學	3/2020
Prof Eugene Yin-cheung Wong 黃彥璋教授	The Hang Seng University of Hong Kong 香港恒生大學	3/2020
Prof Hong-xing Yang 楊洪興教授	The Hong Kong Polytechnic University 香港理工大學	3/2020
Prof Zhong-ping Yao 姚鍾平教授	The Hong Kong Polytechnic University 香港理工大學	3/2019
Prof Carine Yuk-man Yiu 姚玉敏教授	The Hong Kong University of Science and Technology 香港科技大學	3/2021
Prof Kin-man Yu 余健文教授	City University of Hong Kong 香港城市大學	3/2018
Prof Wayne Weifeng Yu 俞偉峰教授	City University of Hong Kong 香港城市大學	3/2019
Prof Susana Lai-mei Yuen 袁麗薇教授	Caritas Institute of Higher Education 明愛專上學院	3/2020
Prof Pong-chi Yuen 阮邦志教授	Hong Kong Baptist University 香港浸會大學	3/2021

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Hong Kong PhD Fellowship Scheme Selection Panels

香港博士研究生獎學金計劃遴選小組

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Humanities, Social Sciences and Business Studies 人文學、社會科學及商科		
Prof Alister Cumming (Chairman) (主席)	University of Toronto 多倫多大學	12/2019
Prof Naren Barfield	Royal College of Art 皇家藝術學院	01/2020
Prof Jeremy Brown	Simon Fraser University 西門菲莎大學	01/2020
Prof Frank Dikotter	The University of Hong Kong 香港大學	01/2020
Prof Mark Feldman	Peking University 北京大學	01/2020
Prof Henk Folmer	University of Groningen 格羅寧根大學	01/2020
Prof William C Gartner	University of Minnesota 明尼蘇達大學	01/2020
Prof Flora Gu	The Hong Kong Polytechnic University 香港理工大學	01/2020
Prof Guangwei Hu	The Hong Kong Polytechnic University 香港理工大學	01/2020
Prof Arthur Kramer	Northeastern University 東北大學	01/2020
Prof Julie Juan Li 李娟教授	City University of Hong Kong 香港城市大學	01/2020
Prof Kwai-cheung Lo	Hong Kong Baptist University 香港浸會大學	01/2020
Prof Catherine McBride	The Chinese University of Hong Kong 香港中文大學	01/2020
Prof Michelle Norris	University College Dublin 都柏林大學	01/2020
Prof Grace Pownall	Emory University 埃默里大學	01/2020
Prof Nirmala Rao	The University of Hong Kong 香港大學	01/2020

Appendix C: Committee / Panel Membership 2020/21

附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Linda Siegel	University of British Columbia 英屬哥倫比亞大學	01/2020
Prof Aristotelis Stouraitis	Hong Kong Baptist University 香港浸會大學	01/2020
Prof Chee-yew Wong	University of Leeds 列斯大學	01/2020
Prof Evaon Wong-Kim	California State University, Los Angeles 加州州立大學洛杉磯分校	01/2020
Prof Xiaogang Wu 吳曉剛教授	The Hong Kong University of Science and Technology 香港科技大學	01/2020
Prof Guobin Zhu	City University of Hong Kong 香港城市大學	01/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Sciences, Medicine, Engineering and Technology 科學、醫學、工程及科技		
Prof Richard Strugnell (Chairman) (主席)	The University of Melbourne 墨爾本大學	12/2019
Prof Angela Casini	Technical University of Munich 慕尼黑工業大學	01/2020
Prof Andrew Man-lok Chan	The Chinese University of Hong Kong 香港中文大學	01/2020
Prof Shuk-han Cheng 鄭淑嫻教授	City University of Hong Kong 香港城市大學	01/2020
Prof Siu-wing Cheng 鄭紹榮教授	The Hong Kong University of Science and Technology 香港科技大學	01/2020
Prof Manish Chhowalla	University of Cambridge 劍橋大學	01/2020
Prof Matthis Ebert	Heidelberg University 海德堡大學	01/2020
Prof Amr Elnashai	University of Houston 休士頓大學	01/2020
Prof Brian Ford-Lloyd	University of Birmingham 伯明翰大學	01/2020
Prof Robin L. Garrell	University of California, Los Angeles 洛杉磯加利福尼亞大學	01/2020
Prof Makarand Hastak	Purdue University 普渡大學	01/2020
Prof Judy Jionghua Jin	University of Michigan 密西根大學	01/2020
Prof Baochun Li 李葆春教授	University of Toronto 多倫多大學	01/2020
Prof Jon Mills	Newcastle University 紐卡斯爾大學	01/2020
Prof Barbara Krystyna Pierscionek	Nottingham Trent University 諾丁漢特倫特大學	01/2020
Prof Laura Poole-Warren	University of New South Wales 新南威爾斯大學	01/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Chi-wang Shu	Brown University 布朗大學	01/2020
Prof Jay X Tang	Brown University 布朗大學	01/2020
Prof Huating Wang 王華婷教授	The Chinese University of Hong Kong 香港中文大學	01/2020
Prof Zuankai Wang	City University of Hong Kong 香港城市大學	01/2020
Prof Rudolf Shiu-sun Wu	The Education University of Hong Kong 香港教育大學	01/2020
Prof Jianliang Xu	Hong Kong Baptist University 香港浸會大學	01/2020
Prof Xiaoqi Yang 楊曉琪教授	The Hong Kong Polytechnic University 香港理工大學	01/2020
Prof Jianzhen Yu 郁建珍教授	The Hong Kong University of Science and Technology 香港科技大學	01/2020
Prof Jie George Yuan	The Hong Kong University of Science and Technology 香港科技大學	01/2020
Prof Pong-chi Yuen 阮邦志教授	Hong Kong Baptist University 香港浸會大學	01/2020
Prof Benjamin Yung	The Hong Kong Polytechnic University 香港理工大學	01/2020
Prof Ruiqin Zhang 周瑞勤教授	City University of Hong Kong 香港城市大學	01/2020
Prof Jun Zou	The Chinese University of Hong Kong 香港中文大學	01/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

RGC Research Fellow Scheme / RGC Senior Research Fellow Scheme

研資局研究學者計劃／研資局高級研究學者計劃

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Humanities, Social Sciences and Business Studies Selection Panel 人文學、社會科學及商科遴選小組		
Prof Paul Clark (Chair)	The University of Auckland 奧克蘭大學	1/2020
Prof Ki-Joon Back	University of Houston 休士頓大學	2/2021
Prof Larry Catá Backer 白軻教授	The Pennsylvania State University 賓夕法尼亞州立大學	2/2020
Prof Jinfa Cai 蔡金法教授	University of Delaware 特拉華大學	2/2020
Prof Ronald Fischer	Victoria University of Wellington 威靈頓維多利亞大學	2/2021
Prof Zhuo Jing-Schmidt 井茁教授	University of Oregon 俄勒岡大學	2/2020
Prof Raymond Kan 簡文豹教授	University of Toronto 多倫多大學	2/2020
Prof Gigi Luk 陸智敏教授	McGill University 麥基爾大學	2/2020
Prof James A. Steintrager	University of California, Irvine 加利福尼亞大學爾灣分校	2/2021
Prof Rosalie L Tung 董林雪英教授	Simon Fraser University 西門菲莎大學	2/2020
Prof Nancy Wong	University of Wisconsin-Madison 威斯康星大學麥迪遜分校	2/2020
Prof Weiping Wu 吳維平教授	Columbia University 哥倫比亞大學	2/2021
Prof Mei Zhan	University of California, Irvine 加利福尼亞大學爾灣分校	2/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Science, Technology, Engineering and Mathematics Selection Panel 科學、科技、工程及數學遴選小組		
Prof Adrian Dixon	University of Cambridge 劍橋大學	1/2020
Prof Wang Ping Chen 陳望平教授	University of Illinois at Urbana-Champaign 伊利諾大學厄巴納－香檳分校	2/2021
Prof Ying Cheong	University of Southampton 南安普敦大學	2/2020
Prof Thomas Efferth	Johannes Gutenberg University 約翰尼斯・古騰堡－美茵茲大學	2/2020
Prof Gian Francesco Giudice	CERN 歐洲核子研究組織	2/2020
Prof Andrew Lever	University of Cambridge 劍橋大學	2/2021
Prof Yiu-wing Mai 米耀榮教授	The University of Sydney 悉尼大學	2/2020
Prof Bill Milne	University of Cambridge 劍橋大學	2/2020
Prof Alexandru Morega	University Politehnica of Bucharest 布加勒斯特理工大學	2/2020
Prof Stephen T Newman	University of Bath 巴斯大學	2/2021
Prof George J. Pappas	University of Pennsylvania 賓夕法尼亞大學	2/2021
Prof Jonas Rosendahl	University of Halle-Wittenberg 哈雷－維滕貝格大學	2/2020
Prof Feng Shao 邵峰教授	National Institute of Biological Sciences, Beijing 北京生命科學研究所	2/2020
Prof Dacheng Tao 陶大程教授	The University of Sydney 悉尼大學	2/2021

Appendix C: Committee / Panel Membership 2020/21

附錄 C：委員會／學科小組 2020/21 年度成員名單

Panel Member 遴選小組成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Simon F. B. Tett	The University of Edinburgh 愛丁堡大學	2/2020
Prof Xiao-fan Wang 王小凡教授	Duke University 杜克大學	2/2021
Prof Yinsheng Wang 汪寅生教授	University of California, Riverside 加州大學河濱分校	2/2020
Prof Yuanyuan Yang 楊圓圓教授	Stony Brook University 石溪大學	2/2020
Prof Zhiliang Ying 應志良教授	Columbia University 哥倫比亞大學	2/2020

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Disciplinary Committee (Investigation)

紀律委員會(調查)

Committee Member 委員會成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Guoping Feng (Chairman) 馮國平教授 (主席)	Massachusetts Institute of Technology 麻省理工學院	2/2015
Prof Peter Frederic Cane	University of Cambridge 劍橋大學	7/2020
Prof Yip-wah Chung, BBS 鍾業華教授, BBS	Northwestern University 西北大學	7/2020
Prof Raghavendra Rau	University of Cambridge 劍橋大學	8/2017
Prof Paul K L Yu 余劭離教授	University of California, San Diego 加州大學聖地牙哥分校	8/2019

Appendix C: Committee / Panel Membership 2020/21 附錄 C：委員會／學科小組 2020/21 年度成員名單

Disciplinary Committee (Review)

紀律委員會(覆檢)

Committee Member 委員會成員	Institution 所屬機構	Appointed in (Month/Year) 委任於(月／年)
Prof Alan B Rickinson (Chairman) (主席)	The University of Birmingham 伯明罕大學	8/2016
Prof Paul Clark	The University of Auckland 奧克蘭大學	8/2016
Prof Michael P Doyle	The University of Texas at San Antonio 德克薩斯大學聖安東尼奧分校	8/2016
Professor Phillip Phan Hin-choi 潘慶財教授	The Johns Hopkins University 約翰霍普金斯大學	9/2018
Prof Andrew J Szeri	The University of British Columbia 英屬哥倫比亞大學	8/2016



Research Grants Council of Hong Kong

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