

# 香港研究資助局

Research Grants Council  
of Hong Kong



**2019/20**  
ANNUAL REPORT





## Research Grants Council Members 2019/20 研究资助局 2019/20 年度成员



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Prof Joshua Ka-ho Mok,  
Mr David Leung (former Secretary, RGC),  
Dr Kim Kin-wah Mak, BBS, JP, Prof Kellee S Tsai,  
Prof Jian Lu, Prof Rick Wai-kyok Wong,  
Prof Michael P Doyle,  
Prof Anita S Mak, Prof Paul Clark  
Ms Cordelia Chung, Dr Franklin Fuk-kay Tong,  
Prof Tai-lok Lui, JP, Prof Billy Kee-long So,  
Prof Joseph Hun-wei Lee,  
Mr Henry Kwong-han Leung,  
Prof On-ching Yue, Prof Irene Oi-lin Ng,  
Prof Jay Siegel

### Left to Right Front:

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Prof Cindy Fan, Prof Raymond Man-pao Kan,  
Prof Helen Mei-ling Meng,  
Prof Edward Sze-shing Yeung,  
Prof Yip-wah Chung, BBS,  
Prof Benjamin W Wah, JP (Chairman, RGC),  
Prof Paul K L Yu,  
Prof Jiun-shyan Chen,  
Prof Richard Strugnell,  
Prof Lap-chee Tsui, GBM, GBS, JP,  
Prof James Fawcett,  
Prof James Tuck-hong Tang (Secretary-General, UGC)

Absent: Prof Geoffrey L Smith, Prof Rosalie L Tung

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吕坚教授，黄伟国教授，  
迈克尔·多伊教授，  
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锺郝仪女士，汤复基博士，  
吕大乐教授，JP，苏基朗教授，  
李行伟教授，梁广恒先生，  
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James Fawcett教授，  
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缺席：Geoffrey L Smith教授，  
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本署档号 OUR REF.: UGC/GEN/232/92

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30 June 2021

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 2019/20**

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 twenty-ninth 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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大学教育资助委员会主席  
唐家成先生, GBS, JP

唐主席：

### 研究资助局二零一九至二零年度报告

研究资助局(研资局)的职权范围其中一项，是本局须透过大学教育资助委员会向政府提交周年工作报告。

现附上研资局的报告，载述本局的第二十九年运作情况。这份年报会载于研资局的网页，以便更多读者可以阅览。

谨请将这份报告呈交香港特别行政区政府。



研究资助局主席黄玉山教授

二零二一年六月三十日

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## Foreword from the Chairman 主席序言

This past year 2019/20 has been another robust and productive one for the Research Grants Council (RGC). The RGC has been following up closely on the recommendations made by the Task Force on Review of Research Policy and Funding (TFRPF). With the Legislative Council's support and funding approval, the RGC has made marked progress in taking forward the initiatives as committed by the Government in the 2018 Policy Address. The HK\$20-billion injection to the Research Endowment Fund (REF) has already been well in place to generate investment income for enhancement of disbursement budgets for research; and the HK\$3-billion Research Matching Grant Scheme as well as the three new regular RGC research fellowship schemes have been successfully launched as planned. 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 2019/20 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 2,975 applications from a wide range of disciplines, we funded a total of HK\$654 million for 1,005 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 2019/20 academic year, out of 400 applications, 166 projects were funded at a total amount of HK\$95 million, with seven of them rated "Outstanding". The applicants of these projects were each granted an honorary title of "The Early Career Award 2019/20".

对研究资助局(研资局)来说,过去的2019/20年度继续是有活力的,同时亦是丰盛的一年。研资局已密切跟进检讨研究政策及资助专责小组的建议。得到立法会的支持及批准拨款,研资局在推展政府于2018年施政报告中承诺的举措方面,取得良好进展。向研究基金注资的200亿港元已顺利到位,所得的投资收益可增大研究拨款预算;研资局亦已成功如期推行30亿港元的研究配对补助金计划,及三项恒常的研资局杰出学者计划。多项造福研究界的新设举措均广受欢迎,研资局亦因而感到鼓舞。凭藉香港研究学者的干劲和创意,本局的资助项目在多个研究领域持续取得卓越佳绩。

### 研资局2019/20学年的重点活动

#### 优配研究金

研资局的财政预算中,超过百分之50的资源拨作优配研究金,资助为数不少的学者进行研究。优配研究金的目的,是在大学为学者提供的研究资助以外,给表现卓越或潜质优厚的学者额外资助。过去一年,研资局收到2,975份不同学科的申请,其中1,005个研究项目获得资助,拨款合共6.54亿港元。

#### 杰出青年学者计划

杰出青年学者计划旨在培育新进学者,帮助他们为日后的教学及研究事业作好准备。于2019/20学年,研资局共接获400个申请,其中166个研究项目获得资助,总额为9,508万港元,当中七个项目更获评核为「卓越」级别。这些申请人每人可获得「2019/20年度杰出青年学者奖」殊荣。

## 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 projects. For the 2019/20 exercise, out of 212 applications, 24 research projects were funded at a total amount of HK\$121 million. The CRF Committee has for the first time allocated one-year seed money and exploratory funding to three proposals, amounting to HK\$7 million in total, with a view to helping the project teams to further develop their proposals and seek full-scale funding in future.

The CRF Project Briefing Session was held in December 2019 to monitor the progress of 14 funded projects. The project teams received valuable feedbacks from the CRF Committee 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, conferences/workshops or fellowships. In the 2019/20 academic year, the RGC ran six Joint Research Schemes with partner agencies in other regions.

## 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. Nine prestigious investigators were awarded in the 2019/20 academic year and HK\$4.51 million in total was allocated.

## 协作研究金

协作研究金旨在资助由多名学者合作的跨学科研究项目，希望鼓励研究单位进行更多具创意及高质素的跨学科研究项目。于2019/20年度，研资局接获212个申请，其中24个研究项目获得资助，总额为1.21亿港元。协作研究金委员会首次批出为期一年的种子及探索拨款予三份申请，合共700万港元，让有关研究小组发展其研究方案，以期于未来再申请研究拨款。

协作研究金资助项目简报会已于2019年12月举行。在是次简报会中，14个于2017/18学年获资助的研究项目向协作研究金委员汇报项目的进度。

## 合作研究计划

研资局分别与内地及其他不同地区合办合作研究计划，旨在推广及鼓励合作研究及交流。这些合作研究计划为研究计划、旅费、会议补助金及研究奖励金提供资助。于2019/20学年，研资局分别与不同地区合办六个合作研究计划。

## 人文学及社会科学杰出学者计划

人文学及社会科学杰出学者计划旨在表扬杰出的人文学及社会科学学者。此计划为人文学及社会科学学科小组辖下的优秀研究人员提供替假教师及资助，让他们专心从事研究及写作。计划不单提供资源聘请替假教师，还包括旅费、生活津贴及发表研究结果的费用。于2019/20学年，九名杰出学者获得资助，总额为451万港元。



## Foreword from the Chairman 主席序言

### Theme-based Research Scheme

The objective of the Theme-based Research Scheme (TRS) is to focus academic research efforts of the University Grants Committee (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 ninth round exercise was held in the 2019/20 academic year. A total of 47 preliminary proposals were received. After the preliminary selection and a vigorous peer-review process, the RGC allocated HK\$200 million to support five projects.

### 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).

Starting from the 2019/20 (Sixth Round) exercise, 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 273 applications in the Sixth Round exercise and funded a total of HK\$74.15 million for 75 research projects. The results of the Sixth Round exercise were announced in September 2019. Following the completion of the Sixth Round exercise, the Seventh Round exercise started in November 2019. A total of 15 local self-financing degree-awarding institutions were eligible for the three funding schemes. The results of the Seventh Round exercise will be announced in September 2020.



### 主题研究计划

主题研究计划的目的是集中大学教育资助委员会(教资会)资助大学的学术研究力量,对香港长远发展具策略重要性的主题进行研究。计划共有四个研究主题,名为「促进健康」、「建设可持续发展的环境」、「加强香港作为地区及国际商业中心的策略地位」及「促进对香港起重要作用的新兴研究及创新项目」。连同2018/19学年新增的三个具挑战性题目,即「食物生产及食物安全」、「金融科技及监管科技」及「人工智能」,现时四个研究主题下共设有19个具挑战性题目。

第轮计划于2019/20学年举行。研资局共收到47份初步研究建议书。经过筛选及严格的学者评审后,研资局拨款约2亿港元,资助共五个研究项目。

### 本地自资学位界别竞逐的研究资助计划

研资局于2013年起为本地自资学位界别推出三项研究资助计划,分别名为教员发展计划、跨院校发展计划及院校发展计划。

从2019/20(第六轮)计划起,院校发展计划分为两个拨款,即「研究基础设施拨款」和「协作研究拨款」。院校发展计划原有的运作模式透过研究基础设施拨款继续运作。协作研究拨款则参考教资会界别的协作研究金,鼓励及资助院校进行集体及/或跨学科的合作研究。

研资局在第六轮计划共收到273份申请,其中75个研究项目获得资助,拨款合共7,415万港元。申请拨款结果已于2019年9月公布。随着第六轮计划的结束,第七轮计划在2019年11月展开,共有十五所本地可颁授学位的自资院校符合参与上述三项研究资助计划的资格。第七轮计划的申请结果将于2020年9月公布。

## 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 launched in November 2019/20. A total of 20 eligible preliminary proposals were received, seeking grants of HK\$1.5 billion. Results of the exercise will be announced in late December 2020.

## 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 2019/20 exercise, out of 182 applications, 11 research projects were funded at a total amount of HK\$72.7 million.

## Hong Kong PhD Fellowship Scheme

The Hong Kong PhD Fellowship Scheme (HKPFS) continues to enhance internationalisation of our higher education sector. In the first ten rounds of exercise, about 2,000 candidates from more than 80 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 2019/20 academic year are HK\$25,800 and HK\$12,900 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 will be 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 2019/20 academic year, over 1,600 students benefited from the scheme and the total tuition waived was about HK\$64 million.

## 卓越学科领域计划

卓越学科领域计划协助教资会资助大学把现有优势发展为卓越学科领域。第九轮计划已于2019/20学年11月展开。研资局共收到20份合资格初步建议书，申请金额约15亿港元。第九轮计划的结果将于2020年12月底公布。

## 研究影响基金

研究影响基金于2018年成立，旨在鼓励本地学者积极考虑潜在的研究效益，使更广泛的社区能够受惠，并鼓励开展更多学术界以外的研究合作。于2019/20年度，研资局收到182个申请，当中11个研究项目获得资助，总额为7,270万港元。

## 香港博士研究生奖学金计划

研资局继续推行香港博士研究生奖学金计划，推动本地高等教育院校国际化。在首十届计划中，有大概2,000名来自超过80个国家及地区的申请人脱颖而出，在香港修读博士研究生课程。

2019/20学年的奖学金计划的每月津贴和每年的会议及研究活动交通津贴是2.58万和1.29万港元。此后，教资会秘书处会根据政府统计处公布的综合消费物价指数的变动率在每学年初调整有关的津贴水平。

由于奖学金计划毕业生的质素优良，第十二届(于2021/22学年录取)及之后届别奖学金计划的得奖名额将由250个增加至300个。

## 本地研究生学费豁免计划

由2018/19学年开始，政府会为修读教资会资助研究院研究课程的所有本地学生提供学费豁免。在2019/20学年，超过1,600名学生受惠，豁免的学费总额约6,400万港元。



## Foreword from the Chairman 主席序言

### Research Matching Grant Scheme

Launched on 1 August 2019 for a period of three years with HK\$3-billion funding, the Research Matching Grant Scheme aims to allow the sector to diversify research funding sources and incentivise more contribution and collaboration from the private sector. After the third processing cycle, matching grant at a total amount of HK\$768 million has been disbursed to 18 participating universities/ institutions, with a total of seven universities reaching the matching floor of HK\$50 million.

### 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 in the debut exercise have been notified of their attainment of the award in April 2020. 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\$396,600. 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 Special Administrative Region Government.

### 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. As endorsed by the RGC in June 2020, there are 10 RFS and 10 SRFS awardees in the debut 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 debut exercise amounts to around HK\$130 million.

### RGC Public Lectures

To share the research findings with the community, researchers of the RGC funded projects have been invited to deliver public lectures since April 2009. In the 2019/20 academic year, the RGC jointly held three RGC Public Lectures on “FinTech”, “Challenge of Population Ageing: Dementia” and “Themed-based Research Scheme” with the Hong Kong Science Museum and the Hong Kong Central Library respectively. There was active participation from the community.

### 研究配对补助金计划

30亿港元的研究配对补助金计划于2019年8月1日正推行，为期三年。计划旨在让高等教育界的研究经费来源更趋多元化，及积极推动私营机构提供研发开支和捐款，并加强协作。第三个申请期结束后，我们已发放共7.68亿港元配对补助金予18所参与大学/院校，并且已有七间大学获取超过5,000万元「最低款额」的配对补助金。

### 研资局博士后奖学金计划

研资局博士后奖学金计划于2019/20学年推行，旨在鼓励博士毕业生投身研究工作，以及为具潜质的研究人员在事业里程早期提供支援。首届50名获奖者已于2020年4月接获得奖通知。在36个月的计划期内，每名得奖者每年可获发放津贴以资助其博士后研究员基本薪金与会议及研究活动交通费用。首年津贴额为396,600港元，其后两年的津贴额将根据相关条款，按香港特别行政区政府每年公布的综合消费物价指数作出年度调整。

### 研资局研究学者计划 / 研资局高级研究学者计划

研资局研究学者计划及研资局高级研究学者计划于2019/20学年推行，旨在为教资会资助大学里卓越非凡的副教授级和教授级学者，提供教学及行政职务方面的持续支援，令他们可以专注于研究及发展工作。研资局于2020年6月通过得奖名单，两项计划首届各有十名获奖者，每名获发放为期60个月的津贴，金额分别约为520万港元(研资局研究学者计划)及780万港元(研资局高级研究学者计划)。两项计划首届资助总额约为1.3亿港元。

### 研资局公众讲座

为了与市民分享研究成果，研资局自2009年4月起定期举办公众讲座，邀请获研资局资助的学者，向市民介绍他们的研究工作。研资局于2019/20学年分别与香港科学馆及香港中央图书馆合办共三场公众讲座，以「金融科技」、「人口老化的挑战：认知障碍症」、「主题研究计划」为题，市民反应热烈。

## 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.

The RGC held a symposium on 15 July 2019 at the Hong Kong Polytechnic University to exchange views with frontline researchers on the Review of the RGC (Phase II). The final report of the review 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.



## 研资局的策略计划

研资局正面对各项挑战，例如学术界的新兴研究需要，以及社会对监管受公帑资助研究项目的操守有很高的期望等。为应对这些挑战，研资局已实行多项措施。

研资局于2019年7月15日假香港理工大学举行研讨会，与前线研究人员就研资局第二阶段检讨进行交流。研资局于2019年10月发表检讨的最终报告。报告提出共13项建议，涵盖资助计划的宗旨和目标、评审过程、首席研究员投放的时间、表格和文件、沟通和参与、开放取用政策、利益冲突，以及不当学术行为。研资局于2019年12月制订计划落实建议。

*Professor Benjamin W Wah, the then Chairman of the RGC, spoke at the Symposium on the Review of the RGC (Phase II) on 15 July 2019.*

*时任研资局主席华云生教授于2019年7月15日研资局检讨第二阶段研讨会上致辞。*

As one of the major recommendations of the Review of the RGC (Phase II), the RGC has engaged an external consultant to conduct a review of its documents and external reviewer (ER) database. The review commenced in May 2020 and would cover the full range of forms and documents of RGC funding schemes with a view to improving consistency, operational effectiveness and transparency. A review of the ER database would also be carried out. Consultation with stakeholders, including universities, RGC and its committees/ panels, would take place from late June to September 2020. The review is expected to be completed by the end of 2020.

研资局委聘独立顾问检讨其文件和外部评审员资料库，以跟进研资局第二阶段检讨的其中一个主要建议。该检讨于2020年5月展开，并会全面检讨研资局资助计划的表格和文件，目标为改善文件的一致性、运作效率及透明度。检讨亦包括外部评审员资料库。咨询持份者的工作将于2020年6月底至9月进行，持份者包括大学、研资局及其委员会和学科小组。检讨预计于2020年年底前完成。



## Foreword from the Chairman 主席序言

Following up the recommendation of the RGC Review (Phase II), the UGC Secretariat is enhancing the design and content of the RGC website to build a transparent and consistent information channel to the research community and the public. The revamped RGC website, with a fresh look, restructured organization and new contents, will be launched progressively from August 2020.

Following the establishment of the Collaborative Research Review Working Group (CRWG) in June 2019 to review three RGC's collaborative research funding schemes, namely the Collaborative Research Fund, the Theme-based Research Scheme, and the Areas of Excellence Scheme, the CRWG held its third meeting on 23 March 2020 to firm up its interim recommendations for the review. Consultation will be conducted in July 2020 to collect views from the UGC-funded universities on the interim recommendations proposed by the CRWG. It is expected that the review will be concluded in 2020.

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 to the recommendation of the TFRPF. Composed of 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 twice a year and as required 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 is working on 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.

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 2019/20.

根据研资局检讨(第二阶段)的建议, 教资会秘书处现正优化研资局网站的设计和內容, 为研究业界及公众建立一个具高透明度及一致性的资讯渠道。从2020年8月开始, 研资局网站将逐步更新, 以崭新的面貌、经改良的网站架构和增添的内容, 向公众展示。

为检视三项由研资局推行的协作研究拨款计划, 包括「协作研究金」、「主题研究计划」及「卓越学科领域计划」, 研资局于2019年6月成立协作研究检讨小组(检讨小组)。检讨小组已于2020年3月23日举行的第三次会议确立其中期建议。研资局将于2020年7月进行咨询, 就检讨小组提出之中期建议收集各教资会资助大学的意见。检讨工作预期于2020年完成。

为加强政府研究资助机构之间的协调, 政府根据专责小组的建议, 于2019年5月成立研究联络小组(联络小组)。作为一个跨部门平台, 联络小组由教育局、环境保护署、食物及卫生局、创新科技署、政策创新及统筹办事处以及教资会秘书处的代表组成, 并每年召开两次或按需要而举行会议, 在增进研究业界得益的前提下, 于研究政策和资助的范畴内, 讨论各研究资助机构共同关心的议题, 以及探讨各种合作可能性。

在联络小组的支持下, 教资会秘书处现正筹备推行三项协调措施, 即以技术方案打击重复资助申请、协调各资助机构的开放资料政策, 以及建立网站以阐述政府有关研究的政策和资助。

最后, 我谨此向过去一年每一个致力研究的同事致以由衷谢意, 并提交《研究资助局2019/20年报》。



# The Research Grants Council and its Organisation 研究资助局及其架构

## 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 to replace the Research Sub-Committee of the UGC.

The RGC's members are appointed by the Chief Executive<sup>Note</sup> of the Hong Kong Special Administrative Region (HKSAR) and comprise non-local academics, local academics and local lay persons. All members are appointed on an ad personam basis. The RGC's membership for 2018/19 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.*

## 研究资助局的组成

研究资助局(研资局)为大学教育资助委员会(教资会)辖下的非法定咨询机构，于1991年1月1日成立，取代当时教资会辖下的研究小组委员会。

研资局的成员由香港特别行政区行政长官委任<sup>注</sup>，包括本地及非本地学者，以及本地的非学术界人士，所有成员均以个人身份获委任。研资局2019/20年度的成员名单载于附录A。

## 职权范围

研资局的职权如下：

- 透过教资会，向香港特别行政区政府建议香港高等教育机构在学术研究上的需要，包括鉴定优先范围，以发展一个足以维持学术蓬勃发展和合乎香港需要的学术研究基础。
- 透过高等教育机构，邀请和接受学术人士申请研究资助以及各类研究生申请奖学金；将香港特别行政区政府透过教资会提供的经费拨作研究资助和其他有关支出之用。此外，并负责监管这些拨款的运用，以及最少每年一次透过教资会向香港特别行政区政府报告。

*注：香港特别行政区行政长官授权教育局局长委任研资局的成员。*

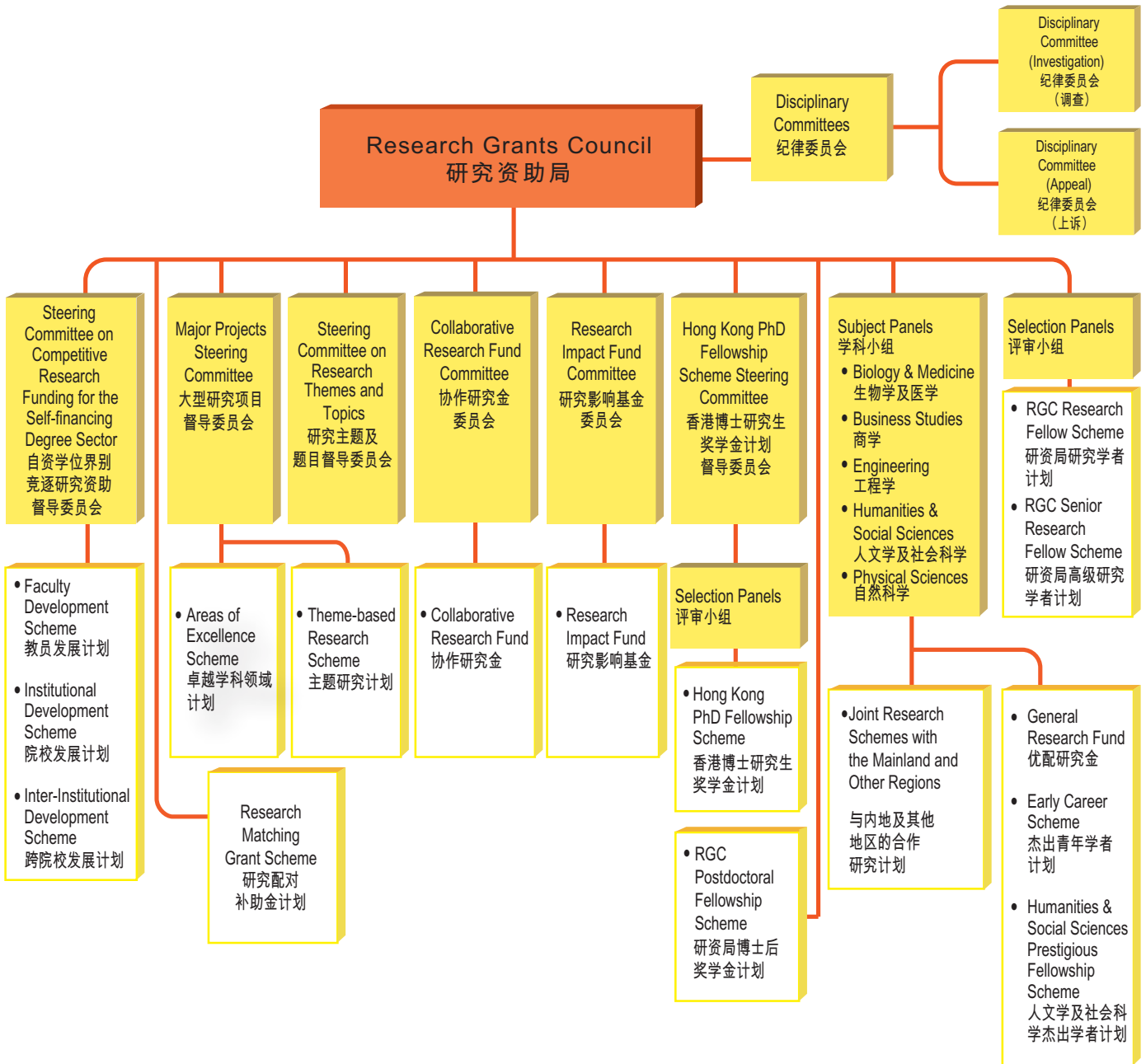




# The Research Grants Council and its Organisation

## 研究资助局及其架构

Chart 1.1: RGC Organisational Structure  
表 1.1：研资局的组织架构



## RGC Research Funding Schemes 研资局研究资助计划

Individual Research 个人研究	Collaborative Research 协作研究	Fellowship 奖学金
<ul style="list-style-type: none"> <li>• General Research Fund 优配研究金</li> <li>• Early Career Scheme 杰出青年学者计划</li> </ul>	<ul style="list-style-type: none"> <li>• Collaborative Research Fund 协作研究金</li> <li>• Areas of Excellence Scheme 卓越学科领域计划</li> <li>• Research Impact Fund 研究影响基金</li> <li>• Theme-based Research Scheme 主题研究计划</li> </ul>	<ul style="list-style-type: none"> <li>• Humanities &amp; Social Science Prestigious Fellowship Scheme 人文学及社会科学杰出学者计划</li> <li>• Hong Kong PhD Fellowship Scheme 香港博士研究生奖学金计划</li> <li>• RGC Postdoctoral Fellowship Scheme 研资局博士后奖学金计划</li> <li>• RGC Research Fellow Scheme 研资局研究学者计划</li> <li>• RGC Senior Research Fellow Scheme 研资局高级研究学者计划</li> </ul>
<h3>Joint Research 合作研究</h3> <ul style="list-style-type: none"> <li>• National Natural Science Foundation of China (NSFC) / RGC Joint Research Scheme (JRS) 国家自然科学基金委员会及香港研资局联合科研资助基金</li> <li>• The French National Research Agency / RGC Joint Research Scheme 法国国家科研署与研资局合作研究计划</li> <li>• European Union (EU)-Hong Kong Research and Innovation Co-funding Mechanism by RGC 欧洲联盟(欧盟)与香港研究资助局研究及创新合作计划</li> <li>• Germany / Hong Kong Joint Research Scheme 德国与香港合作研究计划</li> <li>• PROCORE — France / Hong Kong Joint Research Scheme 法国与香港合作研究计划</li> </ul>		<h3>Schemes for Local Self-financing Degree Sector 本地自资学位界别竞逐研究资助</h3> <ul style="list-style-type: none"> <li>• Faculty Development Scheme 教员发展计划</li> <li>• Inter-Institutional Development Scheme 跨院校发展计划</li> <li>• Institutional Development Scheme 院校发展计划</li> </ul>
		<h3>Others 其他</h3> <ul style="list-style-type: none"> <li>• Research Matching Grant Scheme 研究配对补助金计划</li> </ul>



## The Research Grants Council and its Organisation 研究资助局及其架构

### 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.

### 运作与架构

研资局与教资会紧密合作，就其职权范围内的职务，透过教资会向政府提交建议及报告。研资局的架构，请参阅表 1.1。

研资局一般每年分别于6月及12月召开两次会议。6月份的会议主要讨论多项资助计划如优配研究金、杰出青年学者计划、人文学及社会科学杰出学者计划、主题研究计划及研资局研究学者计划/研资局高级研究学者计划的拨款建议，以及对卓越学科领域计划的申请作初步考虑。而12月份的会议则讨论原有及新增拨款计划在下一年度的资源分配，以及协作研究金、研究影响基金及卓越学科领域计划的拨款建议，并对主题研究计划的申请作初步考虑。

### 学科小组

以下五个学科小组辅助研资局的工作：

- 生物学及医学
- 商学
- 工程学
- 人文学及社会科学
- 自然科学

这五个学科小组负责评审优配研究金、杰出青年学者计划、人文学及社会科学杰出学者计划及合作研究计划等的申请建议书及监察获资助的项目。学科小组的成员为本地学者及非本地学者。

学科小组一般于每年6月在研资局的会议举行前召开会议，主要目的是审批拨款申请，并监察进展中项目的进度，以及对已完成项目进行评核。

学科小组的成员及外部评审员负责审批研究金的申请，他们均为有关学科的海内外学者。学科小组在会议后向研资局提交建议，推荐那些项目应获得拨款。

## Collaborative Research Fund Committee

The Collaborative Research Fund is provided to the UGC-funded universities for the procurement of major research facilities and/or equipment or library collections which could not otherwise be afforded by one university and which could be used for collaborative research or group research activities that operate across disciplines and/or normal institutional boundaries.

The Collaborative Research Fund Committee is charged with selecting proposals for funding support, as well as monitoring the funded projects.

## Major Projects Steering Committee

The Major Projects Steering Committee oversees the Theme-based Research Scheme and the Areas of Excellence Scheme. In respect of the Theme-based Research Scheme, the Committee advises the RGC on the criteria for selecting Theme-based Research Scheme proposals and monitors the funded projects. The Theme-based Research Scheme Selection Panel under the Major Projects Steering Committee assists in implementing the shortlisting, assessment and monitoring of projects.

In respect of the Areas of Excellence Scheme, the Committee advises the RGC on the strategy and criteria for selecting potential areas of excellence, identifies and prioritizes such proposals for funding support, as well as monitors funded projects.

## 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.

## 协作研究金委员会

协作研究金向教资会资助大学提供资助，购置单一大学难以负担的大型研究设备、仪器及图书馆资料，以进行跨学科及／或跨院校而具合作性的集体研究工作。

协作研究金委员会负责评审申请建议书，并监察获资助项目的进度。

## 大型研究项目督导委员会

大型研究项目督导委员会负责监督主题研究计划及卓越学科领域计划。在主题研究计划方面，督导委员会会就甄选主题研究计划建议书的准则向研资局提供意见，以及监察获资助的项目。督导委员会辖下的主题研究计划遴选小组协助执行甄选、评核及监察各研究项目。

至于卓越学科领域计划，督导委员会会在策略和准则上，向研资局就甄选具发展潜质的卓越学科领域方面提供意见，并挑选值得资助的建议和订出优先次序，以及监察获资助的项目。

## 研究主题及题目督导委员会

研究主题及题目督导委员会于2017年11月成立，负责向研资局就主题研究计划选取合适主题和具挑战性题目提供意见。

## 研究影响基金委员会

研究影响基金成立于2018年，旨在鼓励本地大学进行更具影响力的研究，并推动与学术界以外的持份者更多合作的机会。

研究影响基金委员会负责评审申请建议书，并将负责监察获资助的项目。



## The Research Grants Council and its Organisation 研究资助局及其架构

### 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
- Science, Technology, Engineering and Mathematics

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)
- Science, Technology, Engineering and Mathematics (S-Panel)

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

### 自资学位界别竞逐研究资助督导委员会

自资学位界别竞逐研究资助督导委员会于2013年10月成立，负责督导教员发展计划、跨院校发展计划及院校发展计划推行的详情，例如组成评审委员会、制定申请手续及处理程序、申请人资格及评核准则、监察及评核受资助的项目，以及提交拨款建议，供研资局考虑。

### 香港博士研究生奖学金计划督导委员会

香港博士研究生奖学金计划督导委员会成立的目的在于督导和监察计划的推行。委员会由研资局主席、一名研资局成员及每间教资会资助大学一名成员组成，以确保这项计划在配合大学的收生程序下得以顺利推行。

### 评审小组

研资局研究学者计划／研资局高级研究学者计划的评核及遴选由两大学科评审小组分别负责：

- 人文学、社会科学及商科
- 科学、科技、工程及数学

两个评审小组只由非本地学者组成，以保持中立，并将遴选过程中出现利益冲突的机会减至最小。

香港博士研究生奖学金计划下的两个评审小组，同时为研资局博士后奖学金计划作评核及遴选：

- 人文学、社会科学及商科(H小组)
- 科学、医学、工程及科技(S小组)

两个评审小组的成员包括本地学者及非本地学者。

## 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 (Appeal), to handle cases of alleged research misconduct and appeal 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 (Appeal) handles appeal cases if they arise and gives advice to the RGC on policies and procedures in handling appeal cases.

Membership details of various RGC committees/panels for 2019/20 are in Appendix C.

## 纪律委员会

研资局十分着重学术研究的操守，期望受资助项目的研究员在进行研究时遵守最高的操守标准。如发现任何不当研究行为，研资局定当公正及严肃地处理。为此，研资局成立了两个纪律委员会，分别为纪律委员会(调查)和纪律委员会(上诉)，以处理涉嫌不当研究行为和上诉的个案。

纪律委员会(调查)就处理涉及不当研究行为的政策及调查程序向研资局提供意见，并就个案的指控是否成立，以及指控成立的个案的刑罚水平向研资局作出建议。纪律委员会(上诉)就处理可能出现的上诉个案，并就处理上诉个案的政策及调查程序向研资局提供意见。

2019/20年度各研资局委员会／学科小组的成员名单详列于附录C。



## Funding Sources 资金来源



### 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. As announced in the Budget speech 2020-21, the rate of investment return for the placement with HKMA is 3.7%. Accordingly, the HK\$20-billion injection will generate an additional annual investment income of around HK\$740 million as research funding for disbursement this year. 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. Prior to receiving the annual return from the additional placement with the HKMA, the RGC has approved to use existing resources to increase the research budget in the 2020/21 exercise in order to meet the sector's expectation and to provide more support to young researchers.

### 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 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 2019/20 academic year, the RGC allocated about HK\$941 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

随着立法会财务委员会(财委会)于2019年6月通过建议,研究基金内不同款项的运用限制已获撤除,让我们能更有弹性及成效地调配资源。200亿港元的注资已于2019年9月正式由香港金融管理局(金管局)作投资安排,令研究基金增加至460亿港元。如2020-21财政预算案公布,金管局管理的投资回报率为3.7%,新注资今年将可带来约7.4亿港元的额外投资收入,增加研究拨款,支援以下研究用途:(一)维持研究拨款水平;(二)为研究影响基金提供拨款,以持续资助具影响力的研究;及(三)为研资局的协作研究拨款计划提供额外拨款,以鼓励跨院校/跨学科协作。在获取新注资带来的额外投资收入前,研资局已通过运用现有资源,先行上调2020/21年度的研究拨款预算,以回应高等教育界的期望,并为年青研究人员提供更多支援。

### 研究用途补助金

研究用途补助金的资金来自研究基金中赚取的部分投资收益,用以资助研究项目及活动。研究用途补助金是本地八所受教资会资助大学进行学术研究的主要资金来源,并会以竞逐形式决定拨款水平。

研究用途补助金与教资会向各大学提供的整体补助金相辅相成。部分整体补助金可用作支付研究基础设施、研究人员的薪酬、实验室开支,以及教资会及研资局资助的其他研究项目的一般费用(例如办公室地方及设备)。

于2019/20学年,经研资局所分配的研究用途补助金总额约为9.41亿港元。

### 主题研究计划

从研究基金赚取的部分投资收益,用作资助主题研究计划,以进行较长期及策略上有利于香港发展的主题研究。

## 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.

## 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 now administered by the RGC. The funding of around HK\$100 million per annum continued to come from the UGC.

### Research Impact Fund

RIF was established in 2018 by the UGC to encourage more impactful research and foster more collaborative efforts with stakeholders beyond academia.

The UGC allocated HK\$75 million as budget of the 2019/20 exercise. The scheme is administered by the RGC.

## 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.

## 本地研究生学费豁免计划

从研究基金赚取的部分投资收益，由2018/19学年开始为修读教资会资助研究院研究课程的所有本地学生提供免入息审查学费豁免，以鼓励更多本地学生报读研究院研究课程，从而培育本地研究专才，以维持香港的竞争力，并推动本港高等教育界别的发展。

## 本地自资学位界别竞逐研究资助计划

从研究基金中赚取的部分投资收益，用作资助教员发展计划、跨院校发展计划及院校发展计划，以发展本地自资学位界别的研究能力。

## 教资会拨款

### 卓越学科领域计划

教资会于1998年推出卓越学科领域计划，旨在巩固及发挥香港在研究方面的现有优势，并使其发展为卓越学科领域。计划现由研资局负责管理。教资会继续为计划提供拨款，每年约1亿港元。

### 研究影响基金

教资会于2018年成立研究影响基金，以鼓励研究人员积极考虑更具影响力的研究项目，并促进他们与学术界以外的持份者合作。

教资会拨款7,500万港元，作为研究影响基金2019/20年度的预算。计划由研资局负责管理。

## 香港博士研究生奖学金计划

研资局于2009年成立香港博士研究生奖学金计划。此项计划旨在吸引世界各地优秀的研究生，来港在教资会资助大学修读以研究为本的博士学位课程。





## Funding Sources 资金来源

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 2019/20 academic year are HK\$25,800 and HK\$12,900 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 for a period of three years. The RMGS aims to allow the sector to diversify research funding sources and incentivise more contribution and collaboration from the private sector. Over the three-year operation period, 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 (except the first processing cycle from 1 August to 30 September 2019, and the last cycle from 1 April to 31 July 2022).

### 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. Subject to the availability of suitable candidates under the principle of merit-based selection, half of the award quotas for PDFS are reserved for local candidates (i.e. Hong Kong permanent residents).

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.



奖学金将为获奖的博士研究生提供每月津贴，以及每年会议及研究活动交通津贴，为期三年。在2019/20学年，每月津贴及每年交通津贴分别为2.58及1.29万港元，有关的津贴水平会于每学年初进行调整。

### 研究配对补助金计划

随着立法会财委会于2019年6月通过拨款30亿港元，新设立的研究配对补助金计划已于2019年8月1日起公开接受申请，为期三年。计划旨在让高等教育界的研究经费来源更趋多元化，及积极推动私营机构提供研发开支和捐款，并加强协作。三年期内，大学/院校从非政府/非公营界别筹得用以应付与研究相关开支的私人捐款或资助，均符合资格申请政府配对补助金。8间教资会资助大学及13间本地自资学位颁授院校递交的申请，会以每个季度作一申请周期(2019年8月1日至9月30日的首个周期，以及2022年4月1日至7月31日的最后一个周期除外)逐期处理。

### 研资局博士后奖学金计划

研资局博士后奖学金计划于2019/20学年推行，旨在鼓励博士毕业生投身研究工作，以及为具潜质的研究人员在事业里程早期提供支援，以培育、挽留及扩大研究人才库，支持香港推动研发及培养研究文化。在择优而取的原则之下，我们会因应合适候选人的数目，在计划的名额当中预留一半予本地候选人(即香港永久性居民)。

研资局博士后奖学金计划每年资助获奖者，于教资会资助大学受聘为全职博士后研究员，为期36个月。奖学金在计划期间，每年为获奖者提供津贴，资助其基本薪金与会议及研究活动交通津贴。

## 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. Subject to the availability of suitable candidates under the principle of merit-based selection, half of the award quotas for each of the two schemes are reserved for local candidates (i.e. Hong Kong permanent residents).

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.

## 研资局研究学者计划/ 研资局高级研究学者计划

研资局研究学者计划及研资局高级研究学者计划于2019/20学年推行，旨在为教资会资助大学里卓越非凡的副教授级和教授级学者，提供教学及行政职务方面的持续支援，令他们可以专注于研究及发展工作。在择优而取的原则之下，我们会因应合适候选人的数目，在两项计划的名额当中各预留一半予本地候选人（即香港永久性居民）。

两项计划每年颁发奖项，分别资助副教授级和教授级获奖者，于60个月资助期间获发放经费，聘任替假老师及支付研究项目开支，包括聘任研究人员、购置器材设备、公干旅费、膳宿津贴及发表研究成果的费用等。



# Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

## RGC Activities funded by Research Endowment Fund 研资局由研究基金资助的工作总览

### HIGHLIGHTS 提要

*In the 2019/20 academic year, the total funding available for the Earmarked Research Grants was about HK\$941 million.  
2019/20 学年研究用途补助金总额约为 9.41 亿港元。*

### Allocation of the Earmarked Research Grants: 2019/20 Academic Year

### 2019/20 学年 研究用途补助金的分配


### How the Earmarked Research Grants were Allocated

### 研究用途补助金的具体分配

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:

研资局研究用途补助金主要透过竞争形式拨予各大学成功申请资助计划的研究项目。研究用途补助金拨款预算主要分为六大类别：

- HK\$660 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.
- 6.6 亿港元拨予成功申请本年度的优配研究金的项目。为支持某些范畴在研究上的特别需要，优配研究金计划设立指定用途的款项，以资助有关的需要：
  - 为支持年轻临床医学人员进行临床医学研究而设的「临床医学研究资助计划」。
  - 「聘请替假教师安排」专为人文学及社会科学的研究项目而设，其目的是提供资助让首席研究员聘请替假教师代替其教学工作，以腾出工作时间从事研究及写作。
  - 「本科生研究津贴」为本科生提供机会与获优配研究金资助的项目研究人员共同工作，让他们汲取研究经验。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

- HK\$101 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\$121 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\$48 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.
- 1.01亿港元拨作杰出青年学者计划，用于支持及培育新进的青年学者，以吸引最杰出的青年学者加强发展教学研究纽带。
- 1.21亿港元拨作协作研究金，用于巩固研究基础，以及资助由不同大学及研究队伍共同参与的集体合作研究项目，以鼓励大学在学术上的合作及发挥协同效应。
- 4,800万港元拨款，供与其他地区合办的合作研究计划之用。
- 1,000万港元拨作人文学及社会科学杰出学者计划，为人文学及社会科学学科的学者提供更佳支援。
- 80万港元拨作支持研究生进行跨院校及跨学科的交流活动，以及与海外学者会面及交流。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### HIGHLIGHTS 提要

*In the 2019/20 academic year, the total General Research Fund allocation was HK\$654 million, supporting 1 005 projects. As at 30 June 2020, the number of on-going projects is 4 057.*

在2019/20学年，优配研究金拨款总额达6.54亿港元，资助研究项目达1 005个。截至2020年6月30日，4 057个资助研究项目仍在进行中。

### General Research Fund

Altogether, 2 975 proposals across a wide range of subject disciplines were received under the General Research Fund exercise, seeking grants totaling HK\$2.91 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\$654 million to support 1 005 projects with an average grant of about HK\$0.65 million in the 2019/20 academic year. The overall success rate is 34%.

Allocation of the General Research Fund for the 2019/20 academic year by broad subject category is summarised in Chart 3.1.

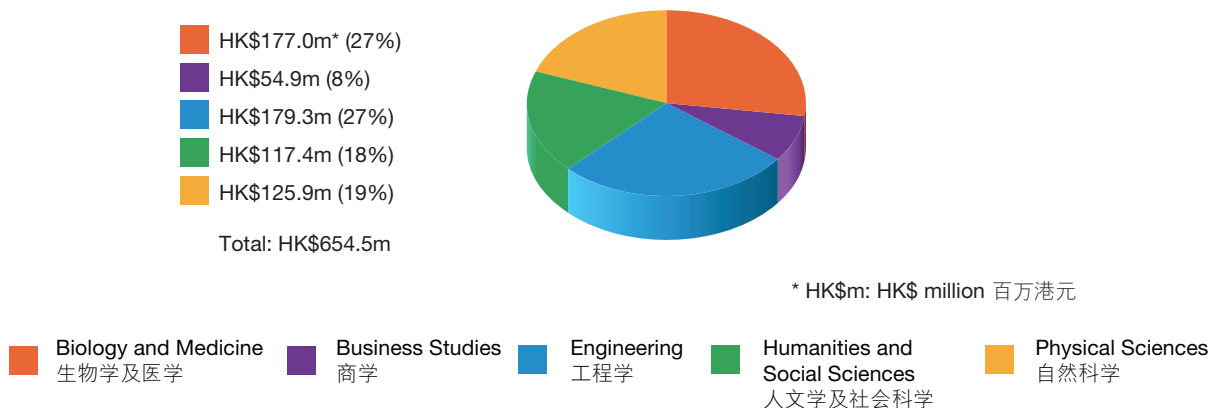
### 优配研究金

是年度向研资局申请优配研究金的研究项目共2 975个，研究范围广泛，申请金额达29.1亿港元。申请先由外部评审员评审，再由有关的学科小组作出审阅。

经研资局的外部评审员国际网络进行严格学者评审后，研资局根据学科小组的意见，于2019/20学年拨出6.54亿港元予1 005个研究项目，平均每个项目约获拨款65万港元，整体成功率为34%。

表3.1列出2019/20学年各学科所获优配研究金的分配。

Chart 3.1: Allocation of the General Research Fund by Broad Subject Category in the 2019/20 Academic Year  
表 3.1 : 2019/20学年各学科所获优配研究金的分配



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

注：由于进位原因，合计之数未必等于全部数字的总和。

- **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.

- **临床医学研究资助计划**

研资局在优配研究金中，提供研究奖励金，以支持年轻临床医学人员进行临床医学研究。该计划乃与香港中文大学及香港大学两家提供医疗训练的本地大学紧密合作推行，致力为具潜质的临床医学人员提供更多机会，以参与及从事临床医学的研究。

此计划让获资助者每年获得由研资局及所属大学提供相等份额的拨款，最多资助三年，以从事及完成临床医学研究计划。此计划每个申请的资助金额上限为每年120万港元。

- **人文学及社会科学学科的聘用替假教师安排**

此计划设立的目的是为照顾人文学及社会科学学者的特别需要。这些学科的研究项目多涉及个人研究或撰写工作，需要首席研究员腾出工作时间来进行，并非可以聘用研究助理或购置研究设施来完成，故需聘请替假教师代替其教学工作，以腾出时间从事研究及写作。一般而言，24至36个月的研究项目可申请聘用四个月至最多12个月的替假教师。

- **本科生研究津贴**

此计划为本科生提供与优配研究金获资助研究项目的研究人员一同工作的机会，让他们汲取研究经验。首席研究员可于申请建议书中申请为本科生提供为期最多十个月，每月2,500港元的津贴。大学亦已同意提供与研资局相等份额的拨款，令更多本科生受惠。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### HIGHLIGHTS 提要

*In the 2019/20 academic year, the total Early Career Scheme allocation approved was HK\$95 million supporting 166 projects. As at 30 June 2020, the number of on-going projects is 591.*

*在2019/20学年，杰出青年学者计划拨款总额约9,500万港元，资助研究项目达166个。截至2020年6月30日，591个资助研究项目仍在进行中。*

### Early Career Scheme

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

A total of 400 proposals were received under the Early Career Scheme, seeking grants totaling HK\$325 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\$95 million to support 166 projects with an average grant of about HK\$0.57 million in the 2019/20 academic year. The overall success rate is 42%.

Allocation of the Early Career Scheme for the 2019/20 academic year by broad subject category is summarised in Chart 3.2.

### 杰出青年学者计划

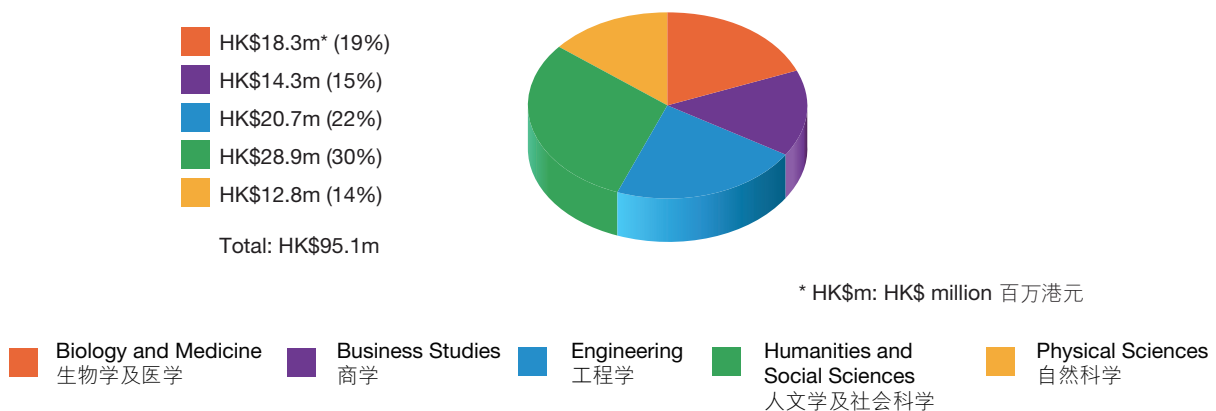
杰出青年学者计划的目的在于培育新进的青年学者。

杰出青年学者计划接获研究项目申请共400个，申请金额达3.25亿港元。与优配研究金的申请相同，申请会先由外部评审员评审，再由有关的学科小组作出审阅。

经研资局的外部评审员国际网络进行严格学者评审后，研资局根据学科小组的意见，于2019/20学年拨出9,500万港元予166个研究项目，平均每个项目约获拨款57万港元。整体成功率为42%。

表3.2列出2019/20学年各学科所获杰出青年学者计划的分配。

Chart 3.2: Allocation of the Early Career Scheme by Broad Subject Category in the 2019/20 Academic Year  
表 3.2 : 2019/20学年各学科所获杰出青年学者计划的分配



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

注：由于进位原因，合计之数未必等于全部数字的总和。

## HIGHLIGHTS 提要

*In the 2019/20 academic year, the total Collaborative Research Fund allocation was HK\$121 million supporting 24 projects. As at 30 June 2020, the number of on-going projects is 72.*

在2019/20学年，协作研究金拨款总额为1.21亿港元，资助研究项目达24个。截至2020年6月30日，72个资助研究项目仍在进行中。

## Collaborative Research Fund

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

The CRF exercise adopts a two-stage application process consisting of submission of preliminary and full proposals. In the 2019/20 academic year, the RGC received a total of 212 preliminary proposals, consisting of 20 equipment bids and 192 group research applications, seeking grants totaling HK\$93 million and HK\$1,400 million respectively.

After a peer review process and interviews of selected research teams by the Collaborative Research Fund Committee (CRFC), 24 full proposals were eventually funded at a total amount of HK\$121 million. The CRF Committee has for the first time allocated one-year seed money and exploratory funding to three proposals, amounting to \$7 million in total, with a view to helping the project teams to further develop their proposals and seek full-scale funding in future.

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.

The CRF Project Briefing Session was held in December 2019. 14 on-going projects funded in the 2017/18 academic year presented their mid-term research progress to the CRF Committee in the Project Briefing Session.

## 协作研究金

协作研究金向由大学合作的研究项目提供资助，购置主要的研究设备、仪器或图书馆资料以进行协作研究，或让院校进行跨学科及/或跨院校的集体研究。

协作研究金计划采用两个阶段的申请程序，包括提交初步及具体建议书。研资局于2019/20学年共接获212份初步建议书，包括20份购置器材的申请及192项资助集体合作研究的申请，申请资助额分别为9,300万港元及14亿港元。

经过学者评审及协作研究金委员会与个别研究队伍会面后，研资局落实资助其中24项申请，资助总额为1.21亿港元。协作研究金委员会首次批出为期一年的种子及探索拨款予三份申请，合共700万港元，让有关研究小组发展其研究方案，以期于未来再申请研究拨款。

由2008/09学年起，研资局为进行中的研究项目举办周年协作研究金研讨会，以促进协作研究金委员会委员与研究队伍及不同大学的研究人员的交流。

协作研究金资助项目简报会已于2019年12月举行。在是次简报会中，14个于2017/18学年获资助的研究项目向协作研究金委员汇报项目的进度。





## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### HIGHLIGHTS 提要

*In the 2019/20 academic year, the total Joint Research Schemes allocation was HK\$42.91 million for the Joint Research Schemes with different regions supporting 63 collaborative projects and exchange fellowships. As at 30 June 2020, the number of on-going projects is 188.*

在2019/20学年，研资局与不同地区分别合办的合作研究计划拨款总额为4,291万港元，共资助63个研究合作项目及交流计划。截至2020年6月30日，188个资助研究项目仍在进行中。

## 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 2019/20 academic year, a total of 209 eligible preliminary research proposals and two applications for conference grants were received, seeking a total of HK\$254 million of RGC grants. After shortlisting, and in consultation with the National Natural Science Foundation of China, 93 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, 23 research proposals were selected for funding support at a total amount of HK\$26 million. Moreover, one conference proposal was selected for funding by the RGC at HK\$250,000.

## 合作研究计划

### 项目补助金

- **国家自然科学基金委员会及香港研资局联合科研资助基金**

研资局与国家自然科学基金委员会于1998年11月成立联合科研资助基金。此计划旨在促进香港与内地的研究人员或队伍在双方具有共同兴趣的范围上展开合作研究，以收相辅相成之效。资助的合作范畴为以下六个重点领域：

- 信息科学
- 生物科学
- 管理科学
- 海洋与环境科学
- 医学科学
- 新材料科学

此计划支持研究的实际开支，包括交通及生活费。计划于2019/20学年内共收到209份合格的初步研究建议书以及两个会议项目的申请，申请金额约2.54亿港元。经研资局与国家自然科学基金委员会的甄选，93个研究项目获选可提交具体建议书。

申请经由学者评审，并经过国家自然科学基金委员会与研资局共同组成的联合甄选委员会详细讨论，决定对23个研究项目提供资助，资助总额为2,600万港元。另外，研资局亦资助了一个会议项目，资助额为25万港元。

- **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 2019/20 academic year, 29 eligible applications were received, seeking total RGC grants of HK\$78.23 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\$7.70 million.

- **European Union (EU)-Hong Kong Research and Innovation 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.

Two rounds of exercise were held in the 2019/20 academic year. 10 applications were received, seeking about HK\$22.11 million of RGC grants. Two applications were supported with total RGC grants of HK\$5.65 million.

- **法国国家科研署与研资局合作研究计划**

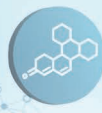
本计划于2012/13学年推出，旨在进一步加强香港与法国的科研人员就两地有共同兴趣的领域上的合作。

在2019/20年度，研资局共收到29份合资格的申请，申请金额约7,823万港元。经学者评审及研资局与法国国家科研署的严格甄选后，选出三份申请批予资助。研资局合共批出770万港元。

- **欧洲联盟(欧盟)与香港研究资助局研究及创新合作计划**

本计划于2016/17学年推出，之前名为「欧洲委员会与研究资助局合作计划」，旨在推动欧盟与香港两地学者的学术研究及合作，并资助香港研究人员参与在欧盟「地平线2020」框架下的合作研究项目。此合作计划接受研究项目(适用于生物学及医学、工程学及自然科学等学科)及交流项目(适用于所有学科)的申请。

研资局于2019/20学年进行了两轮计划，合共收到十份申请，申请金额约2,211万港元，最终两份申请获批资助，资助总额为565万港元。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### 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 2019/20 academic year, 32 applications covering a wide range of subjects were received, seeking about HK\$2.12 million of RGC grants. Experts from both Hong Kong and Germany jointly selected 16 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 2019/20 academic year, a total of 23 applications were received. Among these applications, 21 were travel grant requests and two were conference/workshop grants applications. The total amount of RGC grants sought was about HK\$1.60 million.

Of these, 11 applications including 10 travel grants and one conference/workshop grant were approved, with about HK\$0.74 million RGC grants awarded.

### 旅费／会议补助金

#### • **德国与香港合作研究计划**

1996/97学年，研资局与德国学术交流协进会合作，推出合作研究计划，促进德国与香港学者合作进行研究。

拨款用于支付研究人员为期最多两年的交通及生活津贴，让两地的研究人员携手合作，商讨及进行研究。此计划每年进行一次遴选。

在2019/20学年，双方共接获的申请有32份，涵盖学科甚为广泛，申请金额约212万港元。本港及德国的学者最终共同选出16份申请予以资助，研资局给予的资助金额约119万港元。

#### • **法国与香港合作研究计划**

1998年，研资局与法国驻港领事馆协议合办此项合作研究计划，资助研究人员互访交流，藉以鼓励及促进法国与香港合作进行科学研究。

2019/20学年，双方共接获23份申请，其中21份是旅费补助金申请，其余两份是会议／工作坊补助金申请。申请金额约160万港元。

在上述申请中，共有11份申请获得拨款，其中十份是旅费补助金申请，一份是会议／工作坊补助金申请，研资局批出的资助金额约74万港元。

## Fellowships

- **Fulbright – RGC Hong Kong Senior Research Scholar/Research Scholar Award Programmes**

Since the 2002/03 academic year, the RGC has collaborated with the US Consulate-General in Hong Kong in launching the Fulbright – RGC Hong Kong Senior Research Scholar Award Programme (Senior Programme) to support Hong Kong scholars to undertake research work in the United States. The programme awards fellowships, each at a maximum of HK\$0.35 million for up to ten months in each year. A supplementary grant of up to HK\$0.15 million per application may be provided to meet research expenses in justified cases. In the 2019/20 exercise, this Senior Programme attracted four applications. Two local scholars were supported with roughly HK\$0.87 million.

In addition, the Fulbright – RGC Hong Kong Research Scholar Award Programme (Junior Programme) was first launched in the 2006/07 academic year. The programme provides sponsorship of up to HK\$0.12 million for ten months to each local PhD student. In the 2019/20 academic year, 48 applications were received. Five local PhD students were supported with about HK\$0.51 million RGC grants.

## 研究奖助金

- **富布莱特—研资局香港学人／青年学人计划**

由2002/03学年开始，研资局与香港美国总领事馆合作，推出富布莱特—研资局香港学人计划，资助香港学者前赴美国进行研究工作。在此计划下，每位学者可获最高35万港元的资助，进行每年为期最多十个月的交流。如有需要，每名申请者最高可获15万港元额外津贴，作为支付研究开支之用。此计划在2019/20学年收到四份申请，以约87万港元资助了两位本地学者。

此外，富布莱特—研资局香港青年学人计划于2006/07学年推出。在这项计划下，每位本地研究生可获最高12万港元进行为期最多十个月的交流。在2019/20学年收到合共48份申请，当中有五位本地研究生获研资局资助共约51万港元。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### HIGHLIGHTS 提要

*In the 2019/20 academic year, HK\$4.51 million was awarded to support nine prestigious investigators under the Humanities and Social Sciences Prestigious Fellowship Scheme. As at 30 June 2020, the number of on-going projects is 19.*  
在2019/20学年，人文学及社会科学杰出学者计划拨出451万港元资助九名杰出学者。截至2020年6月30日，19个资助研究项目仍在进行中。

## 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\$4.51 million to support nine prestigious investigators with an average fellowship of about HK\$0.50 million in the 2019/20 academic year. The overall success rate is 35%.

## 人文学及社会科学杰出学者计划

人文学及社会科学杰出学者计划的目的是为人文学及社会科学学科的学者提供更佳支援。计划不单提供资源聘请替假老师，还包括旅费、生活津贴及发表研究结果的费用。

经研资局的外部评审员国际网络进行严格学者评审后，研资局根据遴选委员会的意见，于2019/20学年拨出451万港元资助九名杰出学者，平均每名约50万港元。整体成功率为35%。

## HIGHLIGHTS 提要

*In the 2019/20 academic year, the RGC provided HK\$0.70 million for the Research Postgraduate Students Conference/Seminar Grants supporting 16 conferences/seminars.*

*在2019/20学年，研究生会议／研讨会补助金拨款额70万港元，资助16个会议／研讨会。*

### 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.

Applications are received all year round. Grants are given subject to the availability of funds set aside by the RGC.

In the 2019/20 academic year, the RGC approved 16 applications with a total funding of HK\$0.70 million.

### 研究生会议／研讨会补助金

是项补助金是为支持及促进教资会资助大学的研究生进行跨院校及跨学科交流而设，亦资助研究生与海外的卓越学者会面及交流。

是项计划旨在资助于本地举行，并以研究生为对象的跨院校会议及研讨会。

补助金以补助旅费的形式发放，用以支付邀请学者来港出席会议／研讨会及发表演说所需的旅费及有关开支。

此项补助金全年接受申请，批核与否则视乎研资局的预留拨款金额是否有余而定。

于2019/20学年，研资局批准了16项申请，资助总额为70万港元。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### HIGHLIGHTS 提要

*In the 2019/20 academic year, the Theme-based Research Scheme allocated HK\$200 million to support five projects. As at 30 June 2020, the number of on-going projects is 29.*

在2019/20学年，主题研究计划拨款总额达2亿港元，资助共五个研究项目。截至2020年6月30日，29个资助研究项目仍在进行中。

## 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.

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.

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

The Ninth Round exercise was held in the 2019/20 academic year. A total of 47 preliminary proposals were received, seeking RGC grants of HK\$2.3 billion. After preliminary selection and a vigorous peer-review process, the RGC allocated HK\$200 million to support five projects.

## 主题研究计划

主题研究计划的目的是集中教资会资助大学的学术研究力量，对香港长远发展具策略重要性的主题进行研究。

在2009年，教育局成立研究主题督导委员会，就挑选研究主题向政府提供意见。在2017年11月，研资局接手有关工作，并成立研究主题及题目督导委员会，就挑选研究主题及具挑战性题目提供意见。研究主题和具挑战性题目仍然由政府作出决定。

现时主题研究计划的四个主题分别为：

- (一) 促进健康；
- (二) 建设可持续发展的环境；
- (三) 加强香港作为地区及国际商业中心的策略性地位；及
- (四) 促进对香港起重要作用的新兴研究及创新项目。

经过研资局于2018年的检讨后，政府批准由第九轮计划起增加三个新的具挑战性题目，包括「食物生产及食物安全」、「金融科技及监管科技」及「人工智能」。现时，四个主题下共设有19个具挑战性题目。

每项主题研究计划年期最长为五年，每项申请的资助上限为7,500万港元。

第九轮计划于2019/20学年举行。研资局共收到47份初步建议书，申请金额约23亿港元。经过初步筛选及严格学者评审后，研资局拨款约2亿港元，资助共五个研究项目。

## HIGHLIGHTS 提要

*In the 2019/20 academic year, the RGC provided about HK\$74.15 million for the three competitive research funding schemes for the local self-financing degree sector supporting 75 research projects. As at 30 June 2020, the number of on-going projects is 175.*

在2019/20学年，研资局就三项供本地自资学位界别竞逐的研究资助计划拨款总额约7,415万港元，共资助75个研究项目。截至2020年6月30日，175个资助研究项目仍在进行中。

## 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 Sixth Round exercise was held in the 2019/20 academic year. Results were announced in September 2019. Following the completion of the Sixth Round exercise, the Seventh Round exercise started in November 2019. A total of fifteen local self-financing degree-awarding institutions were eligible for the three funding schemes in the Seventh Round exercise, including 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. The results of the Seventh Round exercise will be announced in September 2020.

## 本地自资学位界别竞逐研究资助计划

研资局为本地自资学位界别推出三项研究资助计划，名为教员发展计划、跨院校发展计划及院校发展计划。从第六轮计划起，院校发展计划分为研究基础设施拨款和协作研究拨款。

第六轮计划已于2019/20学年举行。申请结果已于2019年9月公布。随着第六轮计划的结束，第七轮计划已在2019年11月展开。共有十五所本地可颁授学位的自资院校符合参与上述三项研究资助计划的资格，分别为明爱专上学院、明德学院、珠海学院、宏恩基督教学院、香港恒生大学、香港树仁大学、香港公开大学、东华学院、港专学院、香港能仁专上学院、香港浸会大学—持续教育学院、香港理工大学—专业进修学院、香港高等教育科技学院、香港伍伦贡学院及耀中幼教学院。第七轮计划的申请结果将于2020年9月公布。





## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### 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 2019/20 exercise, HK\$44.46 million was granted to 61 research projects out of 235 applications.

### 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 2019/20 exercise, 15 applications were received and seven of them were awarded HK\$3.15million.

### 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 2019/20 exercise, four projects were supported with a total grant of HK\$ 16.05 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 16 proposals received in 2019/20 exercise, three projects were supported with a total grant of HK\$10.5 million.

### 教员发展计划

教员发展计划旨在帮助院校的个别教学人员发展研究能力，使他们能将研究经验和新知识转移至教与学的层面。在2019/20年度，本计划共收到235份申请，其中61份研究计划获得资助，总额为4,446万港元。

### 跨院校发展计划

跨院校发展计划则旨在提升院校教学人员的研究能力，透过个别院校筹组或与其他院校合办的工作坊、研讨会或短期课程，使他们在各自的专研范畴涉猎最新的发展和充满挑战的研究专题。在2019/20年度共收到15份申请，合共批出315万港元资助七份计划。

### 院校发展计划

#### *研究基础设施拨款*

院校发展计划研究基础设施拨款旨在透过提供具体研究设施、支援研究的基础建设及其他形式的支援，建立院校在其策略发展范畴的研究能力。在2019/20年度共收到七份申请，最后共批出1,605万港元资助四份计划。

#### *协作研究拨款*

院校发展计划协作研究拨款旨在鼓励及协助颁授本地自资学位院校进行合作研究，包括涉及两间或以上自资院校及／或个别院校内不同学科的合作研究，从而在学术水平、质素、领域及／或进度上提升自资院校的研究成果。在2019/20年度共收到16份申请，最后共批出1,050万港元资助三份计划。

## RGC Activities funded by UGC Funds

### 研资局由教资会拨款的工作总览

#### HIGHLIGHTS 提要

*In the 2018/19 academic year (last round of exercise), the Areas of Excellence Scheme allocated HK\$216 million to support three projects. As at 30 June 2020, the number of on-going projects is 9.*

在2018/19学年(上一轮计划)，卓越学科领域计划拨款总额达2.16亿港元，资助共三个研究项目。截至2020年6月30日，9个资助研究项目仍在进行中。

## Areas of Excellence Scheme

The Areas of Excellence Scheme was previously launched by the UGC. The Scheme is now administered by the RGC.

Following a comprehensive review of higher education of Hong Kong, the UGC advised the Government in a report published in October 1996 that Hong Kong would need world-class institutions with distinct areas of excellence in order to retain its leading economic position in the development of Mainland China and the Pacific Rim. The UGC recommended, and the Government agreed, that the UGC-funded universities should build upon their existing strengths and develop them into areas of excellence.

With an annual budget of about HK\$100 million, the 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 launched in November 2019. A total of 20 eligible preliminary proposals were received, seeking grants of HK\$1.5 billion. Results of the Ninth Round exercise will be announced in late December 2020.

## 卓越学科领域计划

教资会于早年推出卓越学科领域计划。该计划现时由研资局管理。

1996年10月，教资会在全面检讨香港的高等教育情况后，发表了一份检讨报告。教资会在报告中向政府提出，香港须拥有能够建立卓越学科领域的世界级学府，才可以在中国内地和太平洋周边地区的经济发展中，保持领导地位。教资会建议受资助的大学尽展所长、精益求精，把现有的优势发展为卓越学科领域。政府对这项建议亦表赞同。

卓越学科领域计划的资助金额预算约为每年1亿港元，提供资助予与主题研究计划规模相约的计划。在这个计划下每个项目的资助金额上限约为6,000万港元，年期最长为八年。所有涉及主题研究计划题目范围以外的建议书均可申请卓越学科领域计划的拨款。

第九轮计划于2019年11月展开。研资局共收到20份合资格初步建议书，申请金额约15亿港元。第九轮计划的结果将于2020年12月底公布。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### HIGHLIGHTS 提要

*Research Impact Fund was established in 2018. 124 preliminary proposals, seeking HK\$746 million, were received in the third round exercise. 46 proposals were shortlisted for submission of full proposals.*

研究影响基金于2018年成立。研资局于第三轮计划共接获124份初步建议书，申请资助总额为7.46亿港元。当中46份获筛选提交具体建议书。

## 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 third round exercise, the RGC received a total of 124 preliminary proposals seeking HK\$746 million.

After evaluation by the Research Impact Fund Committee (RIFC), 46 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 January 2021.

## 研究影响基金

研究影响基金于2018年成立，旨在鼓励本地学者积极考虑潜在的研究效益，使更广泛的社区能够受惠，并鼓励开展更多学术界以外的研究合作。

研究影响基金计划采用两个阶段的申请程序，包括提交初步及具体建议书。研资局于第三轮申请共接获124份初步建议书，申请资助总额为7.46亿港元。

经研究影响基金委员会评审后，筛选出46份提交具体建议书。研究影响基金委员会将进行学者评审，以进一步筛选该批具体建议书并与个别研究队伍进行会面。预计拨款结果将于2021年1月公布。

## HIGHLIGHTS 提要

*In the 2019/20 academic year, the Hong Kong PhD Fellowship Scheme awarded 250 top students from 46 countries/regions.*

在2019/20学年，香港博士研究生奖学金计划颁发奖学金予来自全球46个国家及地区共250位优秀学生。

### 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 Tenth Round exercise, 250 top students from 46 countries/regions received the award. By the deadline in December 2019, over 6,000 applicants from 112 countries/regions submitted full applications for the Eleventh Round exercise.

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

### 香港博士研究生奖学金计划

香港博士研究生奖学金计划于2009年9月推出，目的是吸引世界各地最优秀及出色的研究生前来教资会资助大学就读博士研究生课程，而不论其国籍、工作经验和种族背景。

第十届香港博士研究生奖学金计划的得主为250位来自全球46个国家及地区的优秀学生。而至2019年12月的报名截止日期，6,000多名来自112个国家及地区的申请者就第十一轮计划提交正式申请书。

这个备受推崇的计划将会把来自各地的研究生尖子，汇集于香港的世界级学府。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### HIGHLIGHTS 提要

*After the third processing cycle, matching grant at a total amount of HK\$768 million has been disbursed to 18 participating universities/institutions under the Research Matching Grant Scheme, with a total of seven universities reaching the matching floor of \$50 million.*

第三个申请期结束后，研究配对补助金计划已发放共7.68亿港元配对补助金予18所参与大学／院校，并且已有七间大学获取超过5,000万元「最低款额」的配对补助金。

### Research Matching Grant Scheme

The Research Matching Grant Scheme (RMGS) was launched on 1 August 2019 for a period of three years 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 (except the first processing cycle from 1 August to 30 September 2019, and the last cycle from 1 April to 31 July 2022).

After the third processing cycle, donation/sponsorship/research contract applied for matching has amounted to about HK\$1.13 billion in total. Matching grant at a total amount of \$768 million has been disbursed to participating universities/institutions accordingly, with a total of seven universities reaching the matching floor of \$50 million. The remaining balance available for matching stood at about HK\$2.23 billion after three processing cycles. The RMGS will continue to operate till 31 July 2022.

### 研究配对补助金计划

研究配对补助金计划于2019年8月1日推行，为期三年，涉资30亿港元。计划旨在让高等教育界的研究经费来源更趋多元化，及积极推动私营机构提供研发开支和捐款，并加强协作。

计划期内，大学／院校从非政府／非公营界别筹得用以应付与研究相关开支的私人捐款或资助，均符合资格申请政府配对补助金。8间教资会资助大学及13间本地自资学位颁授院校递交的申请，会以每个季度作一申请周期(2019年8月1日至9月30日的首个周期，以及2022年4月1日至7月31日的最后一个周期除外)逐期处理。

第三个申请期结束后，配对的申请已涉及共约11.3亿港元捐款／赞助／研究合约。经审批后，我们已发放共7.68亿港元配对补助金予有关大学／院校，并且已有七间大学获取超过5,000万元「最低款额」的配对补助金。首三个申请期过后，配对补助金的余额约有22.3亿港元。计划将继续接受申请至2022年7月31日。

## HIGHLIGHTS 提要

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

研资局博士后奖学金计划于2019/20学年推行，首届颁发50个名额，吸引及挽留研究人才，在香港教资会资助大学任博士后研究员。

## 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. Subject to the availability of suitable candidates under the principle of merit-based selection, half of the award quotas for PDFS will be reserved for local candidates (i.e. Hong Kong permanent residents).

We are pleased to note the attractiveness of this newly introduced fellowship scheme with 83 strong candidates in the debut exercise 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, France, India, Italy, Malaysia, Nigeria, Pakistan, The Netherlands, Turkey, the United Kingdom and the United States of America.

Among the first cohort of 50 PDFS awardees, 21 are from the Humanities, Social Sciences and Business Studies disciplines, and 29 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 2020. 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 \$396,600, 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 HKSAR Government.

We believe that the number of nominations will increase in future exercises when the universities have more experience with the nomination process of the scheme.

## 研资局博士后奖学金计划

研资局博士后奖学金计划于2019/20学年推行，旨在鼓励博士毕业生投身研究工作，以及为具潜质的研究人员在事业里程早期提供支援，以培育、挽留及扩大研究人才库，支持香港推动研发及培养研究文化。在择优而取的原则之下，我们会因应合适候选人的数目，在计划的名额当中预留一半予本地候选人(即香港永久性居民)。

我们欣喜此项新计划备受欢迎，在首届吸引来自国际顶尖大学及本地教资会资助大学的83名优秀参选者。除了本港及内地，候选者亦有来自澳洲、法国、印度、意大利、马来西亚、尼日利亚、巴基斯坦、荷兰、土耳其、英国及美国。

首届50名获奖者中，有21名属人文学、社会科学及商科范畴，29名属科学、医学、工程及科技范畴。获奖者均须于2020年内于其所属的资助大学开展为期36个月的博士后研究员聘约。每名获奖者每年可获津贴以资助其博士后研究员基本薪金与会议及研究活动交通费用。首年津贴额为396,600港元，其后两年的津贴额将根据相关条款，按香港特别行政区政府每年公布的综合消费物价指数作出年度调整。

随着各大学就提名过程累积更多的经验，我们相信提名数字于可见将来会更益上升。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### HIGHLIGHTS 提要

*Introduced in the 2019/20 academic year, the 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.*

研资局研究学者计划及研资局高级研究学者计划于2019/20学年推行，首届各颁发10个奖项予教资会资助大学里卓越非凡的学者，资助总额约为1.3亿港元。

## 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. Subject to the availability of suitable candidates under the principle of merit-based selection, half of the award quotas for each of the two schemes will be reserved for local candidates (i.e. Hong Kong permanent residents).

We received 33 nominations for RFS and 32 for SRFS in the inaugural exercise 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 2020. 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 (three from HSSB and seven from STEM disciplines) were endorsed by the RGC in June 2020. All awardees are to start the research project on 1 January 2021. 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 inaugural RFS/SRFS exercise, with success rate of around 30% for both RFS and SRFS and also for both disciplines, has set a very high benchmark for future exercises. The total allocation of the two schemes in the debut exercise amounts to around HK\$130 million.

## 研资局研究学者计划/ 研资局高级研究学者计划

研资局研究学者计划及研资局高级研究学者计划于2019/20学年推行，旨在为教资会资助大学里卓越非凡的副教授级和教授级学者，提供教学及行政职务方面的持续支援，令他们可以专注于研究及发展工作。在择优而取的原则之下，我们会因应合适候选人的数目，在计划的名额当中预留一半予本地候选人(即香港永久性居民)。

首届研资局研究学者计划及研资局高级研究学者计划分别收到33宗及32宗提名，竞逐各十个奖项。完成同侪评审后，进入最后入围名单的参选者获邀接受遴选小组的面试。面试透过视像会议方式，于2020年5月及6月进行。遴选小组高度赞赏获提名的候选人及其高水平的研究提案，并喜见最后入围的候选人在面试中展现热忱。

遴选小组推荐的研资局研究学者计划获奖者(两名属人文学、社会科学及商科范畴，八名属科学、科技、工程及数学范畴)，及研资局高级研究学者计划获奖者(三名属人文学、社会科学及商科范畴，七名属科学、科技、工程及数学范畴)，得奖名单已获得研资局于2020年6月通过及确认。每名获奖者须于2021年1月1日开始计划下的研究项目，并获发放为期60个月的津贴，金额分别约为520万港元(研资局研究学者计划)及780万港元(研资局高级研究学者计划)。

两项计划首届的成功率均约为30%(两大学科范畴亦然)，为来届定下高基准。两项计划首届资助总额约为1.3亿港元。

## Successful Stories on the Funded Research 拨款研究项目的成功故事

### Areas of Excellence Scheme

#### Project Title

##### *Institute of Molecular Functional Materials*

The Institute of Molecular Functional Materials has successfully established a world-class centre of international excellence in molecular functional materials. Through multi-institutional and multidisciplinary collaborations, the team has developed novel classes of innovative molecular functional materials to address the four grand challenges of the AoE.

In the grand challenge related to New Frontiers in Supramolecular Science, the team has pioneered the use of unique non-covalent metal-metal interactions of d8 and d10 metal complexes in directing the supramolecular assembly and nanostructures of molecular materials, opening up new strategies for the control of supramolecular assembly, manipulating and directing the supramolecular assembly and growth mechanisms and orchestrating the construction of well-defined molecular nanostructures and morphologies. Extensive efforts have also been devoted on the discovery of luminogenic materials with aggregation-induced emission (AIE) characteristics as well as new polymeric materials. These, together with a more thorough understanding on the nature and energy of the excited states have given important information and insights for the design of unique, more efficient and more stable triplet emitters and AIE luminogens. All these fundamental studies and understanding in supramolecular science and excited states has formed the basis to contribute towards the rational design of innovative classes of molecular functional materials to meet the other three grand challenges, including high efficiency OLED and PLED materials, OPV and OTFT materials, and catalysts for energy research.

### 卓越学科领域计划

#### 项目名称

##### *分子功能材料研究所*

分子功能材料研究所成功建立了一所世界一流的分子功能材料研究中心。通过跨院校、跨学科的协作，团队研发了多类型新颖的分子功能材料来解决与能源相关的四大挑战。

为应对超分子科学前沿的重大挑战，团队率先利用d8和d10金属配合物的独特金属-金属非共价相互作用来调控分子材料的超分子组装和纳米结构，从而为调控超分子组装、掌握超分子组装及其机理，以及构建明确的分子纳米结构和形态开辟了新的策略。团队亦致力开发具聚集诱导发光特性的发光材料和新型聚合物材料，并透过深入理解激发态的性质和机理，成功设计了多种独特、高效和稳定的三重态发射材料和聚集诱导发光材料。这些有关超分子科学及激发态的重要基础研究为团队带来原创性的概念和指导，对团队设计合成新颖的分子功能材料来解决其他与能源相关的重大挑战，包括设计更高效的有机发光二极管和聚合物发光二极管材料、有机光伏电池和有机薄膜电晶体材料，以及应用于能源研究的催化剂起了积极和重大作用。





## Research Funding Schemes and RGC Activities

### 研究资助计划及研资局的工作

The establishment of the core laboratory facilities has provided comprehensive infrastructural facilities for molecular functional materials research in Hong Kong. Through dedication and persistence, the team has disseminated new knowledge in the form of over 930 publications in high impact peer-review journal, delivered more than 480 distinguished/plenary/keynote/award/public/invited lectures at international/national conferences, received numerous prestigious awards and election to national academies. The team has successfully built an international reputation and was invited to pre-record videos which have been broadcasted at the 2017 Materials Research Society (MRS) Spring Meeting (<https://www.youtube.com/watch?v=ddMwyEeDAyg&index=9&list=LGVe6BxyFHNWYv-kOSJWFIC9W9FEJFsHd>) as well as the 7th EuCheMS Chemistry Congress, Liverpool, 2018 (<https://www.youtube.com/watch?v=M9F3ADwAcyY>), which aim to highlight leading research centres, especially those related to energy research, and to raise the visibility of best practices in materials research.

In addition, the team has also devoted enormous efforts in making contributions to local and regional economic and social development through the creation of intellectual property (IP) rights, working closely with industrial partners as well as training of students and nurturing of scientists and next generation of academic leaders. To date, a total of 65 patent applications were filed while 12 of them have been successfully granted. A total of 100 research postgraduate students have been recruited since the commencement of AoE in 2020 and 95 of them have graduated. Among the leaving research personnel or graduated students, 39 of them got a faculty position, including professor, associate professor, assistant professor and lecturer in universities or tertiary institutions. 12 continued to do research in universities while 20 continued to do research in private sectors. 19 have worked as professional chemists and scientists in government or private sectors. In conclusion, through together multi-institutional efforts and interdisciplinary expertise, the AoE has successfully developed world-class excellence in science and technology of molecular functional materials. The AoE has brought international recognition and making Hong Kong highly visible on the map.

此外，研究所建设的核心实验室也为香港构建了一个全面的分子功能材料研究设施平台，着力推动分子功能材料研究。通过坚持不懈的努力，团队的研究成果已在高影响因子的同行评审期刊发表论文930多篇，并获邀在国际/国家会议上发表了480多次的杰出/大会/主题/获奖/公开/邀请报告，团队成员更获颁奖项和殊荣，卓越的表现备受肯定。另外，团队也两次获邀预录制视频，分别在2017 Materials Research Society (MRS) Spring Meeting (<https://www.youtube.com/watch?v=ddMwyEeDAyg&index=9&list=LGVe6BxyFHNWYv-kOSJWFIC9W9FEJFsHd>)和7th EuCheMS Chemistry Congress, Liverpool, 2018 (<https://www.youtube.com/watch?v=M9F3ADwAcyY>)会议上播出，藉以进一步提升分子功能材料研究所的国际知名度，巩固研究所在能源研究领域的领导地位。

团队还秉持着努力不懈的精神，通过创建知识产权(IP)、与行业合作伙伴紧密合作、培训学生，以及培养年青科学家和下一代科学领袖，为香港的经济和社会发展做出贡献。迄今为止，团队共提交了65项专利申请，其中12项已成功获得授权。自2010年启动以来，研究所共培育了100名研究生，其中95名已毕业。在培训的研究人员或毕业的研究生中，39人取得大学或大专院校教职，职位包括教授、副教授、助理教授和讲师；12人和20人则分别继续在大学或私人机构进行科研工作；19人任职政府化验所化验师或于私人机构任职化验师、科学家等。通过跨院校、跨学科的协作研究，分子功能材料研究所成功地研发了多类型新颖的分子功能材料来解决与能源相关的挑战，在分子功能材料领域取得了世界一流的卓越成就，研究成果受国际瞩目。

## Theme-based Research Scheme

### Project Title

#### ***Enhancing Hong Kong's Future as a Leading International Financial Centre***

Article 109 of the Hong Kong Basic Law imposes on the Hong Kong Government an obligation “to provide an appropriate economic and legal environment for the maintenance of the status of Hong Kong as an international financial centre.” Yet, few scholars or policymakers know exactly how to do that. From its launch in 2012, our multi-disciplinary project has helped provide academically rigorous – and practicably useful – ways of understanding how international financial centres like Hong Kong grow and evolve.

One thread of that work focused on understanding the past conditions which helped cities like Hong Kong, London and New York become financial centres in the first place. We found that the best laws balance bankers and businessperson’s own self-interest with maintaining stable markets. Credit rules need to punish over-lending, while keeping the best lending profitable. Rules on stock market listings need to encourage foreign corporations to list, while managing the self-dealing that often occurs in these kinds of firms.

Another thread of work focused on evaluating present policies. The 2008 Global Financial Crisis changed the way governments manage banking and securities sectors world-wide and analysis of many of these changes was a central focus of the project. The thread of research with the largest impact, though, must be focused on China’s financial centres – and the way they impact other financial centres world-wide. These studies showed how Hong Kong will complement, as well as compete with, Chinese financial centres in securities, debt and even securitization markets. Until now, few scholars paid much attention to Chinese financial centres. Our project helped ignite global interest in the subject – as measured by academic citations and popular media interest in many of our findings.

## 主题研究计划

### 项目名称

#### ***提升香港全球竞争能力，打造世界一流金融中心***

根据香港《基本法》第一百零九条订立，香港政府有义务「提供适当的经济和法律环境，以维持香港作为国际金融中心的地位」。但是，仍有一些学者或决策者未完全了解如何实践。此研究项目自2012年启动以来，帮助我们提供了不少在学术上严谨而又可行的方法，来了解香港如何逐渐地发展成为国际金融中心。

此研究项目的一个重点是了解过去的情况，如何令香港，伦敦和纽约成为金融中心。我们发现最好的法律是要能够在保持稳定市场与银行家和商人自身利益之间取得平衡。信贷规则需要惩罚超额贷款，同时保持最佳贷款的利润。关于股票市场上市的规则需要鼓励外国公司上市，同时管理这类公司中经常发生的自我交易。

另一个研究重点是评估现时的政策。自2008年的全球金融危机改变了政府管理银行和证券部门的方式，对其多样变化作出分析亦是本项目重点之一。这项研究影响最大的是对中国在金融中心的发展，以及它对全球其他金融中心的影响。这些研究表明，香港将如何在证券，债务甚至证券化市场上与中国金融中心互补并竞争。到目前为止，只有很少学者对中国金融中心给予太多关注。由学术报告引用和大众媒体传播对我们的注意，可见这个项目激发了全球对此学科的兴趣。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

Among the major outputs of the project were a series of major books focusing on Hong Kong and international financial regulation and dozens of international journal articles as well as input into policy recommendations and collaboration with the Hong Kong Financial Services Development Council. All in all, our research has helped to increase understanding of financial centres, particularly Hong Kong, and the many policy issues and challenges facing them around the world.

Importantly, our research has provided a model for working across borders and academic disciplines. About one-quarter of our studies involved more than one type of analysis – focusing economists to confront political theorists, and geographers to work with lawyers. Several papers have taken into account the way space and place affect financial policy (as distance affects the extent to which credit policy needs tightening or loosening). Economists have run regressions looking at bureaucrats' behaviour – something only political scientists or historians have done until now. Most works have confronted the heavy hand of history – something discouraged in conventional law, economics, and political science faculties. Interest in these works shows that – despite pessimistic predictions to the contrary – scholars will respond to multi-disciplinary work – and adopt such method if given incentives to do so.

此研究项目的主要成果是发行了一系列关注香港和国际金融法规的书籍和发表了数十篇相关的国际期刊文章，另外亦与香港金融发展局合作，提供政策和建议。总括而言，我们的研究有助于增进人们了解对金融中心，尤其是香港，以及世界各地金融中心面临的许多政策问题和挑战。

值得一提的是，我们的研究项目亦提供了跨国界和跨学科的范例。我们约有四分之一的研究涉及不止一种分析，当中涉及经济学家面对政治理论家，以及地理学家与律师的合作。我们发表的其中几篇论文讨论了空间和地点对金融政策的影响（因距离影响信用政策面对收紧或放松的程度）。由经济学家对官僚的行为进行了回归分析，以往这只有是政治学家或历史学家才这样做。大多数的研究都面临着历史的沉重打击尤其是传统法律，经济学和政治学都不鼓励这样做。相反地，尽管预测是悲观的，但值得关注的是，如有诱因的话，学者们会响应跨学科研究工作及采用相关方法去执行研究工作。

## Project Title

### ***An Integrated Trans-omics Approach to Diabetic Cardio-renal Complications: From Novel Discoveries to Personalized Medicine***

Diabetes is a major health problem worldwide, including in Hong Kong. Healthcare costs associated with diabetes in China was 200 billion RMB in 2007, and is forecasted to exceed 360 billion RMB by 2030. Most of the healthcare burden from diabetes is associated with the management of diabetic complications, in particular, cardiovascular and renal complications. In Hong Kong, diabetes accounts for annual healthcare costs of approximately 5 billion HKD, mostly due to burden from heart and kidney complications.

Diabetes is the major cause of end-stage renal disease (ESRD), and increases the risk of cardiovascular disease (CVD) by 3-4 fold. Asian patients with type 2 diabetes (T2D) are particularly prone to renal complications when compared to patients of European origin. Only few genetic markers have so far been identified to predict diabetic cardiovascular-renal complications. Discovery of novel genetic or other biomarkers for diabetic complications can help identify at risk subjects for intensive risk factors management, advance our understanding of disease pathogenesis, revolutionize care and provide novel targets for drug development. In this Grand Challenge, we have utilized the unique resource from the Hong Kong Diabetes Registry, with more than 10,000 patients with T2D with detailed biochemical assessment of risk factors and documentation of medication history, who have been prospectively followed up for a mean duration of 8 years, with an accrual of 4,000 events of cardiovascular and renal complications. We applied a multi-omic approach and used genotyping arrays and new-generation sequencing (NGS) and other technologies to conduct a comprehensive evaluation of the genome, epigenome and transcriptome of diabetic patients with complications and diabetic patients free of complications despite long duration of disease.

## 项目名称

### **对糖尿病心血管及肾脏并发症的跨组学基因研究——从创新发现至个性化治疗**

糖尿病已成为香港以及全球的主要疾病之一。2007年中国与糖尿病相关的医疗保健费用为2,000亿元人民币，预计到2030年将超过3,600亿元人民币。糖尿病所带来的医疗负担，主要是由于对其并发症的治疗，尤其是心血管和肾脏的并发症。在香港，糖尿病每年的医疗费用约为50亿港元，主要是由于心脏和肾脏并发症的负担。

探索和发现新的糖尿病并发症相关的遗传或其它生物标记，将有助于识别高危人士而对其进行风险因素的强化控制；进一步提高我们对发病机制的认识及促进治疗水平的提升；还为药物研发提供新的靶向。面对这个巨大的挑战，我们利用「香港糖尿病登记」，进行相关的研究和探索。「香港糖尿病登记」收录了多个2型糖尿病病人的资料，包括糖尿病及其并发症相关风险因素的生化指标评估。这些病人的平均随访时间超过8年，累计了4,000个心血管及肾脏相关的临床终点事件。我们采用多组学的方法、新一代测序及其它先进分子生物学技术，研究和比较基因组、表观基因组及转录组的变化和特征。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

Through work in the project, the project team has identified a panel of genetic and other molecular markers that can identify patients at higher risk of future diabetes complications. We have utilized advanced bioinformatics analysis to integrate findings from these different approaches. Insights from this multi-faceted investigation were compared to findings from animal models of diabetic complications. We also utilized bioinformatics, in vitro experiments and animal models to explore the functional significance and regulatory pathways of novel genes identified from the genomic studies. In addition to novel biological discoveries, we sought to translate our findings and examine the clinical significance of these novel biomarkers, as well as their interactions with different treatments on disease outcomes. In the project, we have also leveraged on the existing healthcare infrastructure and detailed clinical information available to establish an expanded diabetes registry and biobank with contribution from major diabetes centres across Hong Kong for large-scale replication of any novel biomarkers discovered. This resource is a first-of-its-kind.

Ongoing work is focused on large-scale replication of these findings in different populations, application to patients in real-life clinical setting, and studies to understand how these genes affect development of diabetes-related complications. Findings from the project is helping to transform the way we treat patients with diabetes, whereby each patient can receive tailored treatment regimens that are most suitable and effective for them. Discoveries arising from the project are also providing us with new insights and leads for developing new drugs to treat diabetes and prevent its associated complications. In sum, the translation of our genomic discoveries to clinical care will consolidate Hong Kong as a centre for innovative biomedical research and chronic care excellence.

通过本研究项目的工作，项目组已经确定了一组基因和其他分子标记，可以识别未来糖尿病并发症风险较高的患者。我们利用生物信息学、体外实验和动物模型方法，分析和验证所鉴定的新基因的功能和调节途径。此外，我们还旨在将这些研究结果转化为临床应用，检验和分析这些新遗传标记的临床应用价值。最终，我们联合香港多个糖尿病中心建立「香港糖尿病生物样本库」，对所发现的新生物标记进行大规模的验证。

正在进行的工作包括在不同人群中大规模确认这些标记，并对现实临床环境中的患者的应用，并且研究了解这些基因如何影响糖尿病相关并发症的发展。本项目的结果将有助于改变我们对糖尿病患者的治疗方式，从而在将来提供糖尿病患者可以获得最适合和有效的治疗方案。本项目的研究突破和发现也为我们提供了新的见解，为治疗糖尿病并预防其相关并发症开发新药提供新的方向。研究的成果，将进一步巩固香港作为创新生物医学研究和卓越医疗中心的地位。

## Collaborative Research Fund

### Project Title

#### ***Elucidating the molecular defects associated with PTEN mutations in Autism Spectrum Disorders***

Autism Spectrum Disorders (ASD) are a collection of neurocognitive deficits affecting an estimated 26.6 per 10,000 individuals in Hong Kong. It has an early onset of 3 year of age and is characterized by the lack of social interaction and language skills. Patients are care for by a multidisciplinary team of medical professionals with behavioral therapies being the main treatment modality. While environmental factors may play a role, the major cause of ASD has a strong genetic component. This proposal will study an ASD susceptibility gene, PTEN, which is mutated in 1% of ASD. PTEN suppresses protein synthesis and the loss of PTEN is expected to cause aberrant accumulation of proteins in ASD brains. The pathological consequence is the dysregulation of normal nerve signal transmission. This proposal aims to achieve three goals. First, a panel of PTEN mutations found in ASD patients will be characterized. Hong Kong-based cases will be included to strengthen local resources of ASD research. Second, the aberrant proteins produced in ASD neurons lacking PTEN will be identified. They may be targets for future drug development in treating this disorder. Finally, a novel mouse strain with part of PTEN implicated in nerve signal transmission missing will be characterized. The long-term goal is to understand how specific gene mutations can link to specific clinical features of ASD. This proposal represents a highly focused study to dissect the genetic basis of ASD and will deepen our understanding of this complex disease.

## 协作研究金

### 项目名称

#### **研究PTEN基因突变的相关机制与自闭症的起源**

自闭症是一种神经系统失调病症。根据估计在香港每10,000人中便有26.6人会有不同程度的病状。自闭症的发病年龄通常在3岁前而其病症包括缺乏社交能力和语言技能。治疗方式会采用多学科医疗专业团队而以行为治疗为主要的疗法。自闭症的起源是非常复杂。环境与遗传皆是主要成因。该项目会研究一个自闭症基因，PTEN，其突变在1%的自闭症患者中发现。PTEN能抑制细胞蛋白质的正常生产。自闭症患者在丧失PTEN后会导致蛋白质在神经细胞的异常积累。病理后果是失去正常神经细胞传递信号的能力。该项目有三个目标。首先，项目会研究如何自闭症患者的PTEN基因突变会导致蛋白质的异常积累。为加强香港自闭症的研究资源，本地自闭症患者的PTEN基因突变将会被纳入。第二，在自闭症神经细胞异常积累的蛋白质将会被识别。它们可用于未来研究治疗这种疾病的药物。最后，项目会研究一个新的PTEN小鼠品种。此品种预计将失去神经信号传递。现项目的长远目标是了解基因突变如何链接到自闭症的临床特征。研究会集中剖析自闭症的遗传基础，并会加深我们对这种复杂疾病的认识。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### Project Title

#### ***A Multidisciplinary Study on CD133 Liver Cancer Stem Cells: Molecular Mechanisms, Clinical Relevance and Therapeutic Implications***

Cancer is hierarchically organized and composed of a heterogeneous population of cells, among which researchers have now provided solid evidence of the existence and importance of a cancer stem cell (CSC) compartment. This fraction of tumor cells shares many similarities with normal stem cells, such as self-renewing capacity and multi-lineage differentiation properties. In addition, CSCs are also highly tumorigenic. The discovery of the role of CSCs has altered the landscape of cancer research. From a clinical point of view, the main concern with CSCs is their resistance to conventional treatments like radiation and chemotherapy, a feature that has now been extensively shown to be an underlying cause of tumor recurrence. This would require that we rethink the way we diagnose and treat tumors, as in addition to eliminating the bulk rapidly dividing cells that are the current targets of treatment, we will also have to focus on targeting the CSC subpopulation that fuels tumor growth. In light of this, there is a need to define the factors that sustain CSCs in order to develop more efficient therapies. There is now ample evidence to show that, like many other solid tumors, a CSC subpopulation does also exist in the locally prevalent cancer type Hepatocellular Carcinoma (HCC). We and others have previously identified a specific subset of liver CSCs that is marked by their CD133 surface phenotype and bearing features that include the ability to self-renew, differentiate, initiate tumors in vivo and resist chemotherapy. Further to its role as a liver CSC marker, we also found CD133 to play a functional role in regulating tumorigenesis of liver CSCs through CD133 shRNA knockdown assays. However, the exact mechanisms that govern CD133+ CSCs in HCC remain largely unexplored. Based on the hypothesis that CD133+ liver CSCs is vital in fueling HCC growth and recurrence, in this project, we seek support to characterize the molecular mechanisms underlying CD133+ liver CSC initiation, maintenance, progression and differentiation via multiple perspectives (viral associated, genes/pathways, comparison of CD133 subsets from normal/non-tumor and HCC). The importance of what can be achieved cannot be overemphasized because of the high incidence and mortality of HCC in the local community and beyond.

### 项目名称

#### ***CD133肝癌干细胞：分子机制、临床意义及治疗应用的综合性研究***

癌症是由不同分级的异质细胞组成的。目前，研究人员已经有确凿证据证明癌干细胞的存在及其重要性。癌干细胞与正常的干细胞有很多相似地方，例如自我更新能力，多系细胞分化特征等。除此之外，癌干细胞具有很强的致癌性，它的发现对癌症研究有着重大的影响。从临床角度来看，癌干细胞对于传统的癌症治疗方法(放疗，化疗)有较强的抵抗性，众多实验证明这是癌症复发的潜在原因之一。目前我们需要重新审视癌症的治疗方法。传统的癌症治疗方法普遍针对快速增殖的癌细胞，然而我们不能忽视除去癌干细胞的重要性，因为该群细胞对肿瘤的增长至关重要。因此，目前迫切需要阐明维系癌干细胞的因素，进而在此基础上研发出更有效的抗癌疗法。与其他实质固态肿瘤一样，目前有足够的证据证明肝细胞癌中亦存在着癌干细胞。我们与其他人的早期实验结果证实肝细胞癌干细胞表达CD133分子标志，并且该群细胞具有自我更新、分化，在体内生成肿瘤，抵抗化疗的能力。除了作为肝细胞癌干细胞的分子标志，我们通过CD133 shRNA干扰的方法发现CD133在调节肝细胞癌产生中具有实质性功能。然而，CD133+肝细胞癌干细胞调节肝细胞癌生成和发展的机制目前尚未明确。基于CD133+肝癌干细胞在肝细胞癌的增长和复发中起到关键作用，在此项目中，我们希望通过多个层面(病毒机制,基因/分子通路，比较肝细胞癌与正常/非肿瘤CD133亚群)阐明CD133+肝癌干细胞的发生、维系、发展和分化。鉴于肝细胞癌在中国的高发病率和高致死率，该研究项目的成果将会带来重大意义。

## General Research Fund

### Project Title

#### ***Study of Human Brain Wave for Neuro-Psychological Changes due to Electromagnetic Exposure***

There have been concerns that electromagnetic (EM) exposure may affect the physiological and psychological reactions of humans particularly in neuro-psychological changes. The correlation between the electromagnetic exposure and the brain wave activities has been explored for some time. Brain wave activity is a key parameter to all neuro-psychological changes and their relationship remains ambiguous; direct correlation between electromagnetic waves and neuro-psychological changes, including psychological feeling such as anxiety and depression, are yet to be explored.

This project is a pioneering investigation in exploring the above subject matter aiming at characterizing and quantifying the impact of the external EM waves by human brain activities, and then correlating the EM wave further directly to the neuro-psychological changes via the characteristics of the brain waves under EM exposure.

## 优配研究金

### 项目名称

#### **电磁场于脑电波及心理神经变化影响之研究**

人的生理及心理会对电磁场产生反应。特别在神经及心理方面的变化，这种的担心普遍已经存在多时。电磁场和脑电波活动之间的相关性已探索了一段时间。虽然脑电波是神经反应及或许包括心理变化的关键参数；但是电磁暴露和心理变化之间的直接关系现时仍未能明确—电磁波和心理变化，包括如焦虑，抑郁的心理感受之间的直接关系，仍然有待探索。

这项目是一个探索上述主题的一个初步方案，依据人脑活动的不同状态对外界电磁波的影响进行定性和定量分析，进而通过在电磁场下的脑波的特症，将电磁波与心理及情绪的影响，直接定性给互相关联。





## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### Early Career Scheme

#### Project Title

##### ***Statistical Modeling for Heterogeneous Dynamic Transcription Factor Networks***

The project aims to develop a statistical model and accompanying inference methods for transcription factor networks, which are heterogeneous across the genome and dynamic over biological conditions. Gene expression is largely controlled by a family of proteins called transcription factors (TF) in a collaborative manner. Therefore, understanding TF cooperation is crucial for elucidating gene regulation and ultimately disease mechanism. The interactions among TFs can be represented by networks, one network for each genomic position and each node inside a network representing a TF. Since TF collaborations differ from genomic position to position and from one biological condition to another, the networks are heterogeneous and dynamic. However, there is a shortage of statistical methods for heterogeneous dynamic networks, let alone for TF networks. Although there have been active researches on modelling multiple networks jointly, these methods enforce the network structures for all the samples within a single condition to be the same. In contrast, the emerging works on estimating heterogeneous Gaussian graphical models do not consider multiple non-temporal conditions, and they are not applicable to counts data, which are the cases for TF experiments. Moreover, despite the recent statistical developments, the previous construction of TF networks lacks solid statistical model, analyzes each biological condition on its own, and ignores heterogeneity within condition. For TF experimental data, single condition analysis suffers from low detection power; according to our pilot study, disregarding genome heterogeneity can result in extremely misleading conclusions about TF associations.

This project proposed a novel Bayesian nonparametric dynamic Poisson graphical model to handle both heterogeneity and multiple conditions simultaneously. By accounting for heterogeneity, our model will offer a legitimate measure of TF association strength; via pooling information across multiple conditions, this model will improve signal detection from small sample size, high-noise data. To take care of the large data volume, this project developed efficient highly parallelized Markov Chain Monte Carlo algorithms to conduct statistical inference for the proposed model. This Big Data project, as a typical example with data of large volume, high complexity, and low veracity, has made substantial contributions to statistical modeling, statistical computing, parallel programming and genomics. The scientific discoveries from this project will help to solve health problems related to Hong Kong and elsewhere.

### 杰出青年学者计划

#### 项目名称

##### **非均一动态转录因子网络的统计建模**

转录因子网络一方面在基因组不同的位点有着不同的结构，另一方面其结构也随着细胞类型的变化而动态变化。本项目旨在研究转录因子网络的统计建模和推断方法。基因表达很大程度上由一类称为转录因子的蛋白共同调控。因此，理解转录因子的协同作用对揭示基因调控的原理至关重要。转录因子之间的相互作用可以用网络来表达。每一个基因组位点对应一个网络，而网络的每个节点表示一个转录因子。由于转录因子间的协同作用随着基因组位点和细胞类型的不同而不同，所以转录因子网络是非均一并且动态变化的。然而文献中少有针对非均一动态网络的统计方法，更不要提对转录因子网络的统计建模。最近有许多对多个网络同时建模的统计方法，但它们都要求同一个条件下所有样本都服从同一个网络。另一方面，现有非均一高斯图模型的统计方法都不同时考虑多个条件。并且现有的这些方法都不适用于对离散性数据建立网络模型，而这恰恰是用于学习转录因子网络模型的数据的特点。因而，尽管最近针对网络的统计方法有快速的发展，转录因子网络依旧没有严格的统计模型。

本项目提出一个新的贝叶斯非参数动态泊松图模型来同时处理网络结构的非均一性和动态变化。这个模型不仅提供了一个对转录因子协同作用的合理度量，同时通过整合不同条件下的样本提高了推断网络结构的准确度。这个项目开发了一个高度并行的Markov Chain Monte Carlo的算法来对所提出的模型进行统计推断。这个大数据项目是一个大数据量、高数据复杂度、低信噪比的典型例子，它将对统计建模、统计计算、并行计算和基因组学作出重要贡献。其中的科学发现也将有助于解决与香港有关的健康问题。

## RGC Visits to UGC-funded universities

The RGC visited Hong Kong Baptist University on 13 June 2019. The RGC normally visits one UGC-funded university each year. The main objectives of the visit are for the RGC and Subject Panel members to:

- familiarise themselves with the overall research activities, research strategies and major achievements of the university;
- see research facilities, equipment, project highlights and important research outputs/results with a view to understanding the proclaimed research direction; and
- meet and talk with academic staff and research postgraduate students about their research activities.

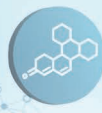
Visits and discussions with staff and research postgraduate students are undertaken in small groups. The visiting team is split broadly on the basis of Subject Panel groups. The discussions are for open collegial exchanges between staff and research postgraduate students and the RGC.

## 研资局访问教资会资助大学

2019年6月13日，研资局探访了香港浸会大学。研资局一般每年造访一间教资会资助大学，其目的是让研资局成员及学科小组成员：

- 了解各大学的研究活动，研究策略及主要成就；
- 视察各种设施、设备、研究项目的重点及成果，从而了解该院校的研究方向；及
- 与教学人员和研究院研究课程学生会晤及讨论他们进行的研究活动。

访问及与教学人员和研究院研究课程学生的讨论，均以小组形式进行。研资局大致按学科小组的性质类别分成小组。小组讨论的目的是让教学人员及研究院研究课程学生与研资局及学科小组成员进行交流。



## Research Funding Schemes and RGC Activities 研究资助计划及研资局的工作

### 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

### 研资局与其他研究资助机构的联系

研资局与其他资助研究的机构经常保持联系，互相核对研究经费的申请，以防止不合理的重迭拨款。研资局经常与下列主要研究资助机构保持联系：

- 裘槎基金会
- 环境及自然保育基金
- 医疗卫生研究基金
- 创新科技署
- 优质教育基金
- 余兆麒医疗基金
- 海外及内地的学术研究资助机构



# How Funded Projects are Selected, Monitored and Assessed 资助项目的审批、监察与评核

## 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.

## 厘定拨款的准则

为提升香港学术研究的质素至另一高峰，研资局集中资源，通过具竞争性拨款资助计划，为最优质的学术研究项目提供更多资助。

整体来说，研资局对基础研究及应用研究一视同仁，不分轩輊。

此外，研资局必须确定其资助的研究项目具有重大学术价值、内容创新，又能促进学术发展。

对于能为工商界带来短期以至中期利益的应用研究项目，研资局期望受惠的行业亦能承担部分资助。

## 监察与评核的目标

按职权范围，研资局必须监察在教资会研究经费下获拨款的研究项目，并透过教资会最少每年一次向政府提交报告。

为确保公帑用得其所，研资局认为必须监察进展中的项目，以及评核已完成的项目。

为了精益求精，研资局经常检讨监察与评核的机制，以期精简程序，提高整体效率。

因此，获拨款项目的首席研究员／项目统筹者必须向研资局呈交项目进度报告及项目完成报告，以供学科小组／委员会成员监察及审查。研究员所属的院校有责任管理项目及其支出，监察获拨款的设备及仪器的采购及安装，以及设立适当的内部监察机制。



## How Funded Projects are Selected, Monitored and Assessed 资助项目的审批、监察与评核

### 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.

### 监察进展中的项目

监察程序确保有关项目如期进行，并确保首席研究员／项目统筹者有跟进成员所发现及指出的问题。研资局于2015年加强监察程序。由2016/17年度起，除少数短期研究项目可一次过获得整笔资助款项外，所有项目的资助款项将为分期支付。有关首席研究员／项目统筹者必须展示令人满意的进度，才可获得研资局进一步分期资助款项。

就个人研究项目而言，每个获资助的项目，均由一位指定的学科小组成员负责监察。成员根据项目进度报告及项目完成报告监察每个项目。学科小组成员在审阅进度报告后，会因应需要向项目的首席研究员反映意见，供其参考及跟进。

至于集体合作研究项目，项目统筹者必须向负责监察的小组／委员会呈交项目进度报告，以及对其意见作出跟进。

部分项目的首席研究员／项目统筹者须于研讨会或实地探访时向有关小组／委员会、研究界别，以及／或公众人士发表其研究进度及成果。

### 评核已完成的项目

在研究项目预定完成日期后，首席研究员／项目统筹者必须向研资局提交项目完成报告，详列出研究结果、成果、接受培训的学生、已发表的报告、论文及文章，以至拨款的运用及应用的详情。这些报告会交由负责审核该项目的小组／委员会成员作最后评核。

评核已完成的项目分为「满意」、「仅符合要求」及「不满意」三个等级。当首席研究员／项目统筹者提交新的拨款申请时，研资局会考虑其过往的评核结果。

## 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.

## 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.

## 反映评核的意见

研资局致力保证及提高研究项目的质素，向研究人员反映外部评审员的意见，是学者评审过程的重要部分。这项做法有助研究人员改进其研究方法，使之更为完善，并将国际研究界别的新意念及专业知识引入本地学术界。

按政策规定，研资局将外部评审员的意见以不具名方式转达给与个人及集体合作研究项目的申请人，如有需要，亦会转达小组/委员会的额外意见。

## 公开完成报告

为让公众分享研究成果，由2010/11学年获资助的计划开始，首席研究员/项目统筹者须公开其项目完成报告，并通过研资局网页让公众查阅。报告包含以浅白文字撰写的摘要、计划目标、研究成果，当中包括以表列形式列出所发表的会议论文/出版刊物/其他研究发现，以及首席研究员/项目统筹者的联络资料。



# Appendices

## 附录

## Appendix A: RGC Membership 2019/20 附录 A：研资局 2019/20 年度成员名单

<b>RGC Member</b> 研资局成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Benjamin W Wah, JP (Chairman) 华云生教授, JP (主席)	The Chinese University of Hong Kong 香港中文大学	1/2013
Prof Jiun-shyan Chen 陈俊贤教授	University of California, San Diego 加州大学圣地牙哥分校	7/2016
Ms Cordelia Chung 锺郝仪女士	Clarksdale Investment Limited Clarksdale投资有限公司	5/2017
Prof Yip-wah Chung, BBS 锺业华教授, BBS	Northwestern University 西北大学	7/2018
Prof Paul Clark	The University of Auckland 奥克兰大学	7/2014
Prof Michael P Doyle 迈克尔·多伊教授	The University of Texas at San Antonio 得克萨斯大学圣安东尼奥分校	7/2015
Prof Cindy Fan 范芝芬教授	University of California, Los Angeles 加州大学洛杉矶分校	8/2017
Prof James Fawcett	University of Cambridge 牛津大学	11/2019
Prof Raymond Man-pao Kan 简文豹教授	University of Toronto 多伦多大学	7/2017
Prof Joseph Hun-wei Lee 李行伟教授	The Hong Kong University of Science and Technology 香港科技大学	11/2019
Mr Henry Kwong-han Leung 梁广恒先生	Nano and Advanced Materials Institute Limited 纳米及先进材料研发院有限公司	4/2017
Prof Jian Lu 吕坚教授	City University of Hong Kong 香港城市大学	7/2016
Prof Tai-lok Lui, JP 吕大乐教授, JP	The Education University of Hong Kong 香港教育大学	7/2018
Prof Anita S Mak 麦吕瑞华教授	University of Canberra 坎培拉大学	7/2017
Dr Kim Kin-wah Mak, BBS, JP 麦建华博士, BBS, JP	Caritas Institute of Higher Education and Caritas Bianchi College of Careers 明爱白英奇专业学校	4/2017
Prof Helen Mei-ling Meng 蒙美玲教授	The Chinese University of Hong Kong 香港中文大学	7/2016





## Appendix A: RGC Membership 2019/20 附录 A：研资局 2019/20 年度成员名单

<b>RGC Member</b> 研资局成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof William Ireland Milne	University of Cambridge 剑桥大学	9/2017
Prof Joshua Ka-ho Mok 莫家豪教授	Lingnan University 岭南大学	4/2017
Prof Irene Oi-lin Ng 吴吕爱莲教授	The University of Hong Kong 香港大学	4/2017
Prof Jay Siegel	Tianjin University 天津大学	7/2014
Prof Geoffrey L Smith	University of Cambridge 剑桥大学	7/2015
Prof Billy Kee-long So 苏基朗教授	University of Macau 澳门大学	7/2016
Prof Richard Strugnell	The University of Melbourne 墨尔本大学	7/2016
Dr Franklin Fuk-kay Tong 汤复基博士	QBN Capital	7/2015
Prof Kellee S Tsai 蔡欣怡教授	The Hong Kong University of Science and Technology 香港科技大学	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 西门菲沙大学	7/2018
Prof Alexander Ping-kong Wai 卫炳江教授	The Hong Kong Polytechnic University 香港理工大学	7/2016
Prof Rick Wai-kiok Wong 黄伟国教授	Hong Kong Baptist University 香港浸会大学	7/2018
Prof Edward Sze-shing Yeung 杨仕成教授	Iowa State University 爱荷华州立大学	7/2014
Prof Paul K L Yu 余劫离教授	University of California, San Diego 加州大学圣地牙哥分校	7/2017
Prof On-ching Yue (Ex-officio Member) 余安正教授 (当然成员) (retired on 15 February 2020) (已于2020年2月15日卸任)	Innovation and Technology Commission 创新科技署	7/2011

Appendix A: RGC Membership 2019/20  
附录A：研资局 2019/20 年度成员名单

<b>RGC Member</b> 研资局成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Charles Surya 徐星全教授 (当然成员) (assumed office on 17 February 2020) (已于2020年2月17日履新)	Innovation and Technology Commission 创新科技署	2/2020
David Leung (Secretary) 梁子琪先生 (秘书) (Left the post on 15 June 2020) (已于2020年6月15日离任)	University Grants Committee Secretariat 大学教育资助委员会秘书处	
Miss Amy Chan (Secretary) 陈婉雯女士 (秘书) (assumed office on 15 June 2020) (已于2020年6月15日履新)	University Grants Committee Secretariat 大学教育资助委员会秘书处	



## Appendix B: Attendance Record of RGC Members in 2019/20 附录 B：2019/20 年度研资局成员出席会议的记录

Name 姓名	Total number of RGC meeting(s) 研资局会议的 总次数	Total number of RGC meeting(s) attended 成员出席研资局 会议次数	Attendance rate 出席率
Prof Benjamin W Wah, JP 华云生教授, JP	2	2	100%
Prof Jiun-shyan Chen* 陈俊贤教授*	2	2	100%
Ms Cordelia Chung 锺郝仪女士	2	2	100%
Prof Yip-wah Chung, BBS* 锺业华教授, BBS*	2	2	100%
Prof Paul Clark*	2	2	100%
Prof Michael P Doyle* 迈克尔·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* 简文豹教授*	2	2	100%
Prof Joseph Hun-wei Lee 李行伟教授	2	2	100%
Mr Henry Kwong-han Leung 梁广恒先生	2	2	100%
Prof Jian Lu 吕坚教授	2	2	100%
Prof Tai-lok Lui, JP 吕大乐教授, JP	2	2	100%
Prof Anita S Mak* 麦吕瑞华教授*	2	2	100%
Dr Kim Kin-wah Mak, BBS, JP 麦建华博士, BBS, JP	2	2	100%
Prof Helen Mei-ling Meng 蒙美玲教授	2	2	100%
Prof William Ireland Milne*	2	1	50%
Prof Joshua Ka-ho Mok 莫家豪教授	2	2	100%

## Appendix B: Attendance Record of RGC Members in 2019/20 附录 B：2019/20 年度研资局成员出席会议的记录

Name 姓名	Total number of RGC meeting(s) 研资局会议的 总次数	Total number of RGC meeting(s) attended 成员出席研资局 会议次数	Attendance rate 出席率
Prof Irene Oi-lin Ng 吴吕爱莲教授	2	2	100%
Prof Jay Siegel*	2	2	100%
Prof Geoffrey L Smith*	2	1	50%
Prof Billy Kee-long So* 苏基朗教授*	2	2	100%
Prof Richard Strugnell*	2	2	100%
Dr Frank Fuk-kay Tong 汤复基博士	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	1	50%
Prof Alexander Ping-kong Wai 卫炳江教授	2	2	100%
Prof Rick Wai-kwok Wong 黄伟国教授	2	2	100%
Prof Edward Sze-Shing Yeung* 杨仕成教授*	2	2	100%
Prof Paul K L Yu* 余劼离教授*	2	2	100%
Prof On-ching Yue 余安正教授 (retired on 15 February 2020) (已于2020年2月15日卸任)	1	1	100%
Prof Charles Surya 徐星全教授 (assumed office on 17 February 2020) (已于2020年2月17日履新)	1	1	100%

\* denotes members outside Hong Kong

\* 为海外成员



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Subject Panels

#### 学科小组

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
<b>Biology and Medicine</b> 生物学及医学		
Prof James Fawcett (Chairman) (主席)	University of Cambridge 剑桥大学	1/2017
Prof Kai-nan An (Deputy Chairman – Joint Research Schemes) 安介南教授 (副主席－合作研究计划)	Mayo Clinic College of Medicine 梅约临床医学院	2/2015
Prof Hongtao Yu (Deputy Chairman – Schemes for Individual Research) (副主席－个人研究资助计划)	University of Texas 德克萨斯州大学	1/2018
Prof Rudolf Bauer	University of Graz 卡尔·弗朗岑斯格拉茨大学	3/2018
Prof Zhaoxiang Bian 卞兆祥教授	Hong Kong Baptist University 香港浸会大学	2/2016
Prof Seth Blackshaw	Johns Hopkins University 约翰霍普金斯大学	11/2018
Prof Joseph Buxbaum	Icahn School of Medicine at Mount Sinai 西奈山伊坎医学院	11/2019
Prof Maria Byrne	The University of Sydney 悉尼大学	12/2018
Prof Daniel Tak-mao Chan 陈德茂教授	The University of Hong Kong 香港大学	3/2018
Prof Danny Chan 陈振胜教授	The University of Hong Kong 香港大学	3/2020
Prof Juliana CN Chan 陈重娥教授	The Chinese University of Hong Kong 香港中文大学	4/2019
Prof Paul Kay-sheung Chan 陈基湘教授	The Chinese University of Hong Kong 香港中文大学	1/2019

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Stephen Lam Chan 陈林教授	The Chinese University of Hong Kong 香港中文大学	11/2019
Prof Wai-ye Chan 陈伟仪教授	The Chinese University of Hong Kong 香港中文大学	1/2015
Prof Larry Ming-cheung Chow 周铭祥教授	The Hong Kong Polytechnic University 香港理工大学	3/2018
Prof Meng Chen	University of California, Riverside 加州大学河滨分校	12/2019
Prof Ying Cheong	University of Southampton 修咸顿大学	11/2019
Prof Zheng Dong 董政教授	Medical College of Georgia, Augusta University 奥古斯塔大学－佐治亚州医学院	11/2019
Prof Thomas Efferth	Johannes Gutenberg University 约翰尼斯·古腾堡－美茵兹大学	1/2016
Prof Xiaohua Gong	University of California, Berkeley 加州大学柏克莱分校	3/2020
Prof Jennifer Grandis	University of California, San Francisco 加州大学旧金山分校	11/2019
Prof Xin-yuan Guan 关新元教授	The University of Hong Kong 香港大学	1/2019
Prof Stephen Hawkins	University of Southampton 南安普敦大学	3/2018
Prof Jufang He 贺菊方教授	City University of Hong Kong 香港城市大学	3/2018
Prof Yu Huang 黄聿教授	The Chinese University of Hong Kong 香港中文大学	12/2017
Prof Ladd Johnson	Laval University 拉瓦尔大学	1/2020
Prof William Hunter	University of Dundee 邓迪大学	3/2018
Prof Liwen Jiang 姜里文教授	The Chinese University of Hong Kong 香港中文大学	3/2018



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Dong-yan Jin 金冬雁教授	The University of Hong Kong 香港大学	2/2019
Prof Han-sung Jung 郑翰圣教授	Yonsei University 延世大学	3/2018
Prof Yibin Kang 康毅滨教授	Princeton University 普林斯顿大学	12/2018
Prof Kay-tee Khaw	University of Cambridge 剑桥大学	12/2017
Professor Kin-ming Kwan 关健明教授	The Chinese University of Hong Kong 香港中文大学	3/2020
Prof Hon-ming Lam 林汉明教授	The Chinese University of Hong Kong 香港中文大学	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 剑桥大学	11/2019
Prof Ping-yee Law 罗秉义教授	University of California, Los Angeles 加州大学洛杉矶分校	3/2020
Prof Brendan M. Leung	Dalhousie University 戴尔蒙斯大学	4/2020
Prof Kenneth Mei-yee Leung 梁美仪教授	City University of Hong Kong 香港城市大学	2/2019
Prof Gang Li 李刚教授	The Chinese University of Hong Kong 香港中文大学	4/2020
Prof Eddy Foo-yew Liew 刘富友教授	University of Glasgow 格拉斯哥大学	4/2019
Prof Kai Liu 刘凯教授	The Hong Kong University of Science and Technology 香港科技大学	2/2019
Prof Chung-mau Lo 卢宠茂教授	The University of Hong Kong 香港大学	3/2020
Prof Fanxin Long	Washington University 华盛顿大学	1/2014

Appendix C: Committee/Panel Membership 2019/20  
附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof William Weijia Lu 吕维加教授	The University of Hong Kong 香港大学	12/2018
Prof Ronald Ching-wan Ma 马青云教授	The Chinese University of Hong Kong 香港中文大学	1/2019
Prof Kevin O'Shaughnessy	University of Cambridge 剑桥大学	11/2019
Prof Tony Shu-kam Mok 莫树锦教授	The Chinese University of Hong Kong 香港中文大学	2/2016
Prof Ada Poon	Stanford University 史丹福大学	12/2017
Prof Jonas Rosendahl	University of Halle-Wittenberg 哈雷-维滕贝格大学	11/2018
Prof Feng Shao 邵峰教授	National Institute of Biological Sciences, Beijing 北京生命科学研究所	12/2018
Prof Jiangang Shen	The University of Hong Kong 香港大学	1/2020
Prof Kathryn Choon-beng Tan 陈俊明教授	The University of Hong Kong 香港大学	1/2017
Prof Cun-yu Wang 王春雨教授	University of California, Los Angeles 加州大学洛杉矶分校	1/2017
Prof Xiao-fan Wang 王小凡教授	Duke University 杜克大学	12/2019
Prof Zilong Wen 温子龙教授	The Hong Kong University of Science and Technology 香港科技大学	11/2018
Prof Ferranti Wong	Queen Mary University of London 伦敦大学玛丽皇后学院	12/2017
Prof Frances Kam-yuet Wong 黄金月教授	The Hong Kong Polytechnic University 香港理工大学	1/2015
Prof Ed Xuekui Wu 吴学奎教授	The University of Hong Kong 香港大学	1/2015
Prof Zhenguo Wu 邬振国教授	The Hong Kong University of Science and Technology 香港科技大学	1/2017





## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Nieng Yan 颜宁教授	Princeton University 普林斯顿大学	1/2019
Prof Xian-jie Yang	University of California, Los Angeles 加州大学洛杉矶分校	1/2020
Prof Ella Yeung 杨慧教授	The Hong Kong Polytechnic University 香港理工大学	12/2018
Prof Jun Yu 于君教授	The Chinese University of Hong Kong 香港中文大学	11/2019
Prof Benjamin Yat-ming Yung 翁一鸣教授	The Hong Kong Polytechnic University 香港理工大学	12/2017
Prof Michael Q. Zhang 张奇伟教授	University of Texas at Dallas 德州大学达拉斯分校	3/2018
Prof Yuaning Zhang 张元亭教授	City University of Hong Kong 香港城市大学	2/2019
Prof Tao Zhang 张涛教授	Chinese Academy of Sciences 中国科学院	1/2020
Prof Chunfeng Zhao	Mayo Clinic 梅约临床医学院	1/2015
Prof Minghao Zheng	The University of Western Australia 西澳大学	1/2015

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Subject Panels

#### 学科小组

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
<b>Business Studies</b> 商学		
Prof Raymond Man-pao Kan (Chairman) 简文豹教授 (主席)	University of Toronto 多伦多大学	7/2017
Prof Hanming Fang (Deputy Chairman – Joint Research Schemes) 方汉明教授 (副主席－合作研究计划)	University of Pennsylvania 宾夕法尼亚大学	2/2015
Prof Rosalie L Tung 董林雪英教授 (Deputy Chairman – Schemes for Individual Research) (副主席－个人研究资助计划)	Simon Fraser University 西门菲莎大学	11/2018
Prof Ki-Joon Back	University of Houston 休士顿大学	11/2017
Prof Utpal Bhattacharya	The Hong Kong University of Science and Technology 香港科技大学	11/2017
Prof Frank Chen 陈友华教授	City University of Hong Kong 香港城市大学	3/2018
Prof Yuxin Chen 陈宇新教授	New York University Shanghai 上海纽约大学	1/2015
Prof Louis TW Cheng 郑子云教授	The Hong Kong Polytechnic University 香港理工大学	2/2016
Prof Hsing K. Cheng 郑兴教授	University of Florida 佛罗里达大学	11/2019
Prof Yin-Wong Cheung 张贤旺教授	City University of Hong Kong 香港城市大学	11/2017
Prof Daniel A Cohen	Texas A&M University 德州农工大学	3/2020
Prof Sudipto Dasgupta	The Chinese University of Hong Kong 香港中文大学	11/2017



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Andrew Delios	National University of Singapore 新加坡国立大学	1/2015
Prof David A. Griffith	Texas A&M University 德州农工大学	1/2016
Prof Zhaoyang Gu 顾朝阳教授	The Chinese University of Hong Kong 香港中文大学	1/2017
Prof Dogan Gursoy	Washington State University 华盛顿州立大学	4/2020
Prof Vernon N Hsu 徐宁教授	The Chinese University of Hong Kong 香港中文大学	3/2018
Prof Xu Huang 黄旭教授	Hong Kong Baptist University 香港浸会大学	2/2016
Prof Tim Woonghee Huh	University of British Columbia 英属哥伦比亚大学	11/2019
Prof Mingming Leng 冷明明教授	Lingnan University 岭南大学	4/2019
Prof Haitao Li 李海涛教授	Cheung Kong Graduate School of Business 长江商学院	1/2015
Prof Hongbin Li 李宏彬教授	Stanford University 史丹福大学	11/2018
Prof Hui Liao 廖卉教授	University of Maryland 马里兰大学	2/2015
Prof Xiumin Martin	Washington University 华盛顿大学	11/2019
Prof Jeffrey Tee Yong Ng	The Hong Kong Polytechnic University 香港理工大学	11/2018
Prof Carol W. Shanklin	Kansas State University 堪萨斯州立大学	12/2018
Prof Haipeng Shen 沈海鹏教授	The University of Hong Kong 香港大学	2/2019
Prof Peng Sun 孙彭教授	Duke University 杜克大学	11/2018
Prof Zhigang Tao 陶志刚教授	The University of Hong Kong 香港大学	2/2015
Prof James Thong 汤永亮教授	The Hong Kong University of Science and Technology 香港科技大学	1/2015

Appendix C: Committee/Panel Membership 2019/20  
附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof John Wei 魏国强教授	The Hong Kong Polytechnic University 香港理工大学	3/2020
Prof Eric Van Wincoop	University of Virginia 维吉尼亚大学	2/2017
Prof M.H. Franco Wong	University of Toronto 多伦多大学	12/2017
Prof Nancy Wong	University of Wisconsin-Madison 威斯康星大学麦迪逊分校	1/2016
Prof Daphne Wing-yee Yiu 姚咏仪教授	The Chinese University of Hong Kong 香港中文大学	11/2017
Prof Jiawei Zhang 张家伟教授	New York University 纽约大学	3/2018
Prof Harold Huibing Zhang 张慧冰教授	The University of Texas at Dallas 德克萨斯大学达拉斯分校	11/2019
Prof Xiaodong Zhu 朱晓冬教授	University of Toronto 多伦多大学	11/2019



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Subject Panels

#### 学科小组

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
<b>Engineering</b> 工程学		
Prof Jiun-shyan Chen (Chairman) 陈俊贤教授 (主席)	University of California, San Diego 加州大学圣地牙哥分校	7/2016
Prof Wing Kam Liu (Deputy Chairman – Joint Research Schemes) 廖荣锦教授 (副主席－合作研究计划)	Northwestern University 西北大学	2/2015
Prof Gregory P. Carman (Deputy Chairman – Schemes for Individual Research) (副主席－个人研究资助计划)	University of California, Los Angeles 加州大学洛杉矶分校	1/2017
Prof Dapeng Oliver Wu (Chairman, Computer Science & Information Technology and Electrical & Electronic Engineering Sub-Panel) 吴大鹏教授 (计算机科学及资讯科技暨电机 电子工程分组主席)	University of Florida 佛罗里达大学	12/2014
Prof Pedro J. Alvarez	Rice University 莱斯大学	11/2018
Prof Yuri Bazilevs	Brown University 布朗大学	12/2014
Prof Ronaldo I Borja	Stanford University 史丹福大学	1/2016
Prof Catherine Brinson	Duke University 杜克大学	11/2018
Prof Jian Cao	Northwestern University 西北大学	11/2018
Prof Albert Ping-chuen Chan 陈炳泉教授	The Hong Kong Polytechnic University 香港理工大学	1/2016

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Tung-sun Chan 陈东燊教授	The Hong Kong Polytechnic University 香港理工大学	3/2018
Prof Hsueh-Chia Chang 张学嘉教授	University of Notre Dame 圣母大学	11/2019
Prof Xiuli Chao 赵修利教授	University of Michigan, Ann Arbor 密芝根大学安娜堡分校	11/2018
Prof Chang-wen Chen 陈长汶教授	The State University of New York at Buffalo 纽约州立大学水牛城分校	12/2014
Prof Lei Chen 陈雷教授	The Hong Kong University of Science and Technology 香港科技大学	1/2017
Prof Nan Chen 陈南教授	The Chinese University of Hong Kong 香港中文大学	2/2020
Prof Yiran Chen 陈怡然教授	Duke University 杜克大学	11/2019
Prof Eric Ka-wai Cheng 郑家伟教授	The Hong Kong Polytechnic University 香港理工大学	1/2016
Prof Michael Kwok-keung Cheng 郑国强教授	The Chinese University of Hong Kong 香港中文大学	1/2016
Prof Sai-on Cheung 张世安教授	City University of Hong Kong 香港城市大学	1/2017
Prof George T C Chiu 邱祚之教授	Purdue University 普渡大学	1/2016
Prof Jason Tsan-ming Choi 蔡灿明教授	The Hong Kong Polytechnic University 香港理工大学	2/2020
Prof Ken P Chong 张建平教授	The George Washington University 乔治华盛顿大学	2/2019
Prof Wallace C H Choy 蔡植豪教授	The University of Hong Kong 香港大学	11/2017
Prof Henry S H Chung 锺树鸿教授	City University of Hong Kong 香港城市大学	11/2017
Prof Cunsheng Ding 丁存生教授	The Hong Kong University of Science and Technology 香港科技大学	1/2016
Prof Jintu Fan 范金土教授	The Hong Kong Polytechnic University 香港理工大学	11/2019
Prof Gang Feng 冯刚教授	City University of Hong Kong 香港城市大学	11/2017



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Dr Julio C. Guerrero	Exponent, Inc.	12/2018
Prof Song Guo 郭嵩教授	The Hong Kong Polytechnic University 香港理工大学	11/2017
Prof H. Thomas Hahn	University of California, Los Angeles 加州大学洛杉矶分校	11/2019
Prof Kirill V. Horoshenkov	University of Sheffield 雪菲尔大学	4/2019
Prof Grace Yick Hsuan	Drexel University 德雷塞尔大学	11/2018
Prof Chennupati Jagadish	Australian National University 澳洲国立大学	12/2014
Prof Heng Ji 季姮教授	University of Illinois at Urbana-Champaign 伊利诺大学厄巴纳—香槟分校	11/2019
开执中教授	City University of Hong Kong 香港城市大学	3/2018
Prof Jay C C Kuo 郭宗杰教授	University of Southern California 南加州大学	1/2017
Prof James Lam 林参教授	The University of Hong Kong 香港大学	2/2016
Prof William Hing-keung Lam 林兴强教授	The Hong Kong Polytechnic University 香港理工大学	11/2018
Prof Kei-may Lau 刘纪美教授	The Hong Kong University of Science and Technology 香港科技大学	4/2020
Prof Andrew Chi-Sing Leung 梁志成教授	City University of Hong Kong 香港城市大学	1/2016
Prof Christopher K Y Leung 梁坚凝教授	The Hong Kong University of Science and Technology 香港科技大学	11/2017
Prof Baochun Li 李葆春教授	University of Toronto 多伦多大学	4/2019
Prof Duan Li 李端教授	City University of Hong Kong 香港城市大学	1/2017
Prof Haizhou Li 李海洲教授	National University of Singapore 新加坡国立大学	1/2017
Prof Ninghui Li 李宁辉教授	Purdue University 普渡大学	1/2017

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Qiusheng Li 李秋胜教授	City University of Hong Kong 香港城市大学	1/2017
Prof Wen-jung Li 李文荣教授	City University of Hong Kong 香港城市大学	11/2017
Prof Yangmin Li 李杨民教授	The Hong Kong Polytechnic University 香港理工大学	11/2019
Prof Chee-wah Lim 林志华教授	City University of Hong Kong 香港城市大学	11/2017
Prof Yun-hui Liu 刘云辉教授	The Chinese University of Hong Kong 香港中文大学	3/2020
Prof Irene M C Lo 劳敏慈教授	The Hong Kong University of Science and Technology 香港科技大学	1/2015
Prof Siu-ming Lo 卢兆明教授	City University of Hong Kong 香港城市大学	3/2018
Prof Jon Longtin	Stony Brook University 石溪大学	12/2014
Prof Jane Wei-zhen Lu 卢伟真教授	City University of Hong Kong 香港城市大学	3/2018
Prof Howard Cam Luong 梁锦和教授	The Hong Kong University of Science and Technology 香港科技大学	1/2017
Prof Yiu-wing Mai 米耀荣教授	The University of Sydney 悉尼大学	11/2017
Prof Muriel Medard	Massachusetts Institute of Technology 麻省理工学院	11/2019
Prof Chris Mi 米春亭教授	San Diego State University 圣地亚哥州立大学	3/2020
Prof Alexandru Morega	University Politehnica of Bucharest 布加勒斯特理工大学	11/2017
Prof Stephen T Newman	University of Bath 巴斯大学	12/2019
Prof Charles Wang-wai Ng 吴宏伟教授	The Hong Kong University of Science and Technology 香港科技大学	1/2015
Prof Michael KP Ng 吴国宝教授	The University of Hong Kong 香港大学	2/2016
Prof Thomas Shiu-tong Ng 吴兆堂教授	The University of Hong Kong 香港大学	1/2015





## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Thomas J Overbye	Texas A&M University 德州农工大学	12/2014
Prof Chin Pan 潘钦教授	City University of Hong Kong 香港城市大学	11/2018
Prof George J. Pappas	University of Pennsylvania 宾夕法尼亚大学	11/2018
Prof Witold Pedrycz	University of Alberta 阿尔伯塔大学	3/2018
Prof Jian Pei 裴健教授	Simon Fraser University 西门菲沙大学	12/2014
Prof Chi-sun Poon 潘智生教授	The Hong Kong Polytechnic University 香港理工大学	11/2017
Prof Edwin Y B Pun 潘裕斌教授	City University of Hong Kong 香港城市大学	11/2017
Prof Geoffrey Qiping Shen 沈岐平教授	The Hong Kong Polytechnic University 香港理工大学	11/2017
Prof Wan-chi Siu 萧允治教授	The Hong Kong Polytechnic University 香港理工大学	3/2020
Prof Steve Wai-ching Sun 孙维正教授	Columbia University 哥伦比亚大学	3/2020
Prof Kay-chen Tan 陈家进教授	City University of Hong Kong 香港城市大学	2/2019
Prof Hong Tang	Yale University 耶鲁大学	1/2017
Prof Dacheng Tao 陶大程教授	The University of Sydney 悉尼大学	11/2019
Prof Raymond Kai-yu Tong 汤启宇教授	The Chinese University of Hong Kong 香港中文大学	2/2019
Prof Danny Hin-kwok Tsang 曾宪国教授	The Hong Kong University of Science and Technology 香港科技大学	2/2019
Prof Hon-ki Tsang 曾汉奇教授	The Chinese University of Hong Kong 香港中文大学	3/2018
Prof Cho-li Wang 王卓立教授	The University of Hong Kong 香港大学	1/2017
Prof Jianping Wang 汪建平教授	City University of Hong Kong 香港城市大学	11/2018

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Min Wang 王敏教授	The University of Hong Kong 香港大学	1/2016
Prof Steve Wilcox	University of the Sunshine Coast 阳光海岸大学	2/2019
Prof Tien-tsin Wong 黄田津教授	The Chinese University of Hong Kong 香港中文大学	1/2016
Prof Ning Xi 席宁教授	The University of Hong Kong 香港大学	1/2016
Prof Tao Xie 谢涛教授	Peking University 北京大学	2/2019
Prof Jianbin Xu 许建斌教授	The Chinese University of Hong Kong 香港中文大学	11/2019
Prof Jianliang Xu 徐建良教授	Hong Kong Baptist University 香港浸会大学	1/2017
Prof Cary Yang 杨远伟教授	Santa Clara University 圣塔克拉拉大学	2/2016
Prof Yuanyuan Yang 杨圆圆教授	Stony Brook University 石溪大学	11/2018
Prof Ben Young 杨立伟教授	The Hong Kong Polytechnic University 香港理工大学	3/2020
Prof Patrick Yue 俞捷教授	The Hong Kong University of Science and Technology 香港科技大学	11/2017
Prof Pong-chi Yuen 阮邦志教授	Hong Kong Baptist University 香港浸会大学	12/2014
Prof Richard Kwok-kit Yuen 袁国杰教授	City University of Hong Kong 香港城市大学	1/2015
Prof Lei Zhang 张磊博士	The Hong Kong Polytechnic University 香港理工大学	11/2019
Prof Ming Zhang 张明教授	The Hong Kong Polytechnic University 香港理工大学	2/2017
Prof Nevin Zhang 张连文教授	The Hong Kong University of Science and Technology 香港科技大学	1/2017
Prof Song-chun Zhu	University of California, Los Angeles 加州大学洛杉矶分校	1/2017



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Subject Panels

#### 学科小组

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
<b>Humanities and Social Sciences</b> 人文学及社会科学		
Prof Cindy Fan (Chairman) 范芝芬教授 (主席)	University of California, Los Angeles 加州大学洛杉矶分校	11/2010
Prof Elisabetta Corsi (Deputy Chairman – Joint Research Schemes) 伊丽教授 (副主席－合作研究计划)	University of Rome, La Sapienza 罗马大学	2/2015
Prof Paul Clark (Deputy Chairman –Schemes for Individual Research and Chairman, Humanities and Arts Sub-Panel) (副主席－个人研究资助计划及 人文学及艺术分组主席)	The University of Auckland 奥克兰大学	11/2011
Prof Anita Mak (Chairman, Psychology and Linguistics Sub-Panel) (心理学及语言学分组主席)	University of Canberra 坎培拉大学	2/2015
Prof Gigi Luk 陆智敏教授(Chairman, Education Sub-Panel) (教育分组主席)	McGill University 麦基尔大学	11/2013
Prof Björn Ahl 伯阳教授	University of Cologne 科隆大学	11/2019
Prof Larry Catá Backer 白轲教授	The Pennsylvania State University 宾夕法尼亚州立大学	12/2018
Prof Michael Berry 白睿文教授	University of California, Los Angeles 加州大学洛杉矶分校	1/2017
Prof Casey Burkholder	University of New Brunswick 纽宾士域大学	11/2019
Prof Jinfa Cai 蔡金法教授	University of Delaware 特拉华大学	11/2017

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Ching-sing Chai 蔡敬新教授	The Chinese University of Hong Kong 香港中文大学	12/2018
Prof Jennifer Chan	The University of British Columbia 英属哥伦比亚大学	11/2019
Prof Timothy WK Chan 陈伟强教授	Hong Kong Baptist University 香港浸会大学	1/2017
Prof Sylvia Xiaohua Chen 陈晓华教授	The Hong Kong Polytechnic University 香港理工大学	3/2018
Prof Dennis Kat-hung Cheng 郑吉雄教授	The Education University of Hong Kong 香港教育大学	3/2020
Prof Hin-tat Cheung 张显达教授	The Education University of Hong Kong 香港教育大学	1/2017
Dr Samuel KW Chu 朱启华博士	The University of Hong Kong 香港大学	3/2017
Prof Cornelis de Bot	University of Groningen 格罗宁根大学	2/2016
Prof Joseph Dennis 戴思哲教授	University of Wisconsin Madison 威斯康辛大学麦迪逊分校	11/2019
Prof Lucy Dunne	University of Minnesota 明尼苏达大学	1/2015
Prof Eric A. Feldman 费艾克教授	University of Pennsylvania 宾夕法尼亚大学	11/2019
Prof Ronald Fischer	Victoria University of Wellington 威灵顿维多利亚大学	11/2018
Prof Eric Fong 方伟晶教授	The University of Hong Kong 香港大学	3/2018
Prof Helene HL Fung 冯海岚教授	The Chinese University of Hong Kong 香港中文大学	1/2017
Prof Piper Gaubatz	University of Massachusetts 麻省大学	2/2015
Prof David S G Goodman	Xi'an Jiaotong-Liverpool University 西交利物浦大学	11/2017
Prof Christine M Halse 贺洁婷教授	The Education University of Hong Kong 香港教育大学	11/2017
Prof Samuel M.Y. Ho 何敏贤教授	City University of Hong Kong 香港城市大学	11/2019



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Michelle Ying-ling Huang 黄映玲教授	Lingnan University 岭南大学	3/2020
Prof Yunte Huang 黄运特教授	Lingnan University 岭南大学	11/2019
Prof Shirley Suet-lin Hung 洪雪莲教授	Hong Kong Baptist University 香港浸会大学	12/2019
Prof Wilt Idema 伊维德教授	Harvard University 哈佛大学	12/2014
Prof Jiehong Jiang 姜节泓教授	Birmingham City University 伯明翰城市大学	1/2018
Prof Zhuo Jing-Schmidt 井茁教授	University of Oregon 俄勒冈大学	11/2017
Prof Kendall A. Johnson 庄竞滔教授	The University of Hong Kong 香港大学	11/2018
Prof Ilan Katz	University of New South Wales 新南威尔士大学	12/2019
Prof Gina W.F. Lai 赖蕴宽教授	Hong Kong Baptist University 香港浸会大学	12/2018
Prof Icy Kit-bing Lee 李洁冰教授	The Chinese University of Hong Kong 香港中文大学	3/2020
Prof Maggy Lee 李淑仪教授	The University of Hong Kong 香港大学	12/2015
Prof Pui-wa Lei 李佩华教授	The Pennsylvania State University 宾夕法尼亚州立大学	3/2018
Prof Sandy S C Li 李兆璋教授	Hong Kong Baptist University 香港浸会大学	12/2018
Prof Xigen Li 李喜根教授	Shanghai University 上海大学	3/2018
Prof Jeffrey Liew	Texas A & M University 德州农工大学	11/2017
Prof George CS Lin 林初升教授	The University of Hong Kong 香港大学	3/2018

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Meichun Liu 刘美君教授	City University of Hong Kong 香港城市大学	3/2018
Prof Carlos WH Lo 卢永鸿教授	The Chinese University of Hong Kong 香港中文大学	11/2017
Prof Daniel C Lynch 林丹教授	City University of Hong Kong 香港城市大学	12/2019
Prof Geraldine Macdonald	University of Bristol 布里斯托大学	12/2018
Prof Ann MacPhail	University of Limerick 利墨瑞克大学	11/2017
Prof Raymond A. Mar	York University 约克大学	11/2018
Prof Toby Miller 托比·米勒教授	Loughborough University 拉夫堡大学	11/2019
Prof Franklin Perkins	University of Hawai'i at Mānoa 夏威夷大学马诺阿分校	12/2017
Prof Douglas Robinson 罗德恪教授	Hong Kong Baptist University 香港浸会大学	12/2018
Prof Shih-Lung Shaw 萧世伦教授	The University of Tennessee, Knoxville 田纳西大学诺克斯维尔分校	11/2019
Prof David Shum 岑浩强教授	The Hong Kong Polytechnic University 香港理工大学	11/2017
Prof Winnie WM So 苏咏梅教授	The Education University of Hong Kong 香港教育大学	3/2018
Prof James A. Steintrager	University of California, Irvine 加利福尼亚大学尔湾分校	11/2018
Prof David Takeuchi	University of Washington 华盛顿大学	1/2015
Prof Michael Tawa	The University of Sydney 悉尼大学	11/2017
Prof Christian Wagner	City University of Hong Kong 香港城市大学	12/2014
Prof Alan Walker	The University of Sheffield 谢菲尔德大学	2/2015
Prof Donggen Wang 王冬根教授	Hong Kong Baptist University 香港浸会大学	3/2018



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Cecilia Wong 黄燕玲教授	The University of Manchester 曼彻斯特大学	11/2018
Prof Christopher J Webster	The University of Hong Kong 香港大学	2/2016
Prof Patrick CM Wong 黄俊文教授	The Chinese University of Hong Kong 香港中文大学	1/2017
Prof Weiping Wu 吴维平教授	Columbia University 哥伦比亚大学	11/2017
Prof Emilie Yueh-yu Yeh 叶月瑜教授	Lingnan University 岭南大学	2/2014
Prof Carine Yiu 姚玉敏教授	The Hong Kong University of Science and Technology 香港科技大学	12/2014
Prof May Yuan	The University of Texas at Dallas 德克萨斯州大学达拉斯分校	2/2015
Prof Mei Zhan	University of California, Irvine 加利福尼亚大学尔湾分校	11/2018
Prof Lei Zhong 锺磊教授	The Chinese University of Hong Kong 香港中文大学	11/2019
Prof Hua Zhu 祝华教授	University of London 伦敦大学	11/2017

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Subject Panels

#### 学科小组

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
<b>Physical Sciences</b> 自然科学		
Prof Bill Milne (Chairman) (主席)	University of Cambridge 剑桥大学	11/2013
Prof Ralf Bundschuh (Deputy Chairman – Joint Research Schemes) (副主席－合作研究计划)	The Ohio State University 俄亥俄州立大学	2/2015
Prof Wesley Cantwell (Deputy Chairman – Schemes for Individual Research) (副主席－个人研究资助计划)	Khalifa University 哈里发大学	11/2013
Prof Pierre Braunstein	University of Strasbourg 斯特拉斯堡大学	3/2020
Prof Johnny CL Chan 陈仲良教授	City University of Hong Kong 香港城市大学	1/2017
Prof Kwok-sum Chan 陈国森教授	City University of Hong Kong 香港城市大学	2/2016
Prof Guohua Chen 陈国华教授	The Hong Kong Polytechnic University 香港理工大学	1/2015
Prof Wang Ping Chen 陈望平教授	University of Illinois at Urbana-Champaign 伊利诺大学厄巴纳－香槟分校	11/2019
Prof Xiaojun Chen 陈小君教授	The Hong Kong Polytechnic University 香港理工大学	11/2017
Prof Pauline Chiu 赵寶貽教授	The University of Hong Kong 香港大学	2/2019
Prof Jianping Gan 甘剑平教授	The Hong Kong University of Science and Technology 香港科技大学	2/2017
Prof Gian Francesco Giudice	CERN 欧洲核子研究组织	2/2016
Prof Nicholas J. Higham	The University of Manchester 曼彻斯特大学	11/2019
Prof I-ming Hsing 邢怡铭教授	The Hong Kong University of Science and Technology 香港科技大学	11/2017





## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 学科小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Lam Hui 许林教授	Columbia University 哥伦比亚大学	11/2018
Prof Arie Iserles	University of Cambridge 剑桥大学	3/2020
Prof Chi-yung Jim 詹志勇教授	The Education University of Hong Kong 香港教育大学	11/2018
Prof Fuk-ye Kwong 邝福儿教授	The Chinese University of Hong Kong 香港中文大学	1/2017
Prof Daniel Shu-ping Lau 刘树平教授	The Hong Kong Polytechnic University 香港理工大学	3/2020
Prof Tai-chu Lau 刘大铸教授	City University of Hong Kong 香港城市大学	3/2018
Prof Ting-kuo Lee 李定国教授	Academia Sinica 中央研究院	2/2016
Prof Young Hee Lee	Sungkyunkwan University 成均馆大学	11/2019
Prof Conan Nai-chung Leung 梁乃聪教授	The Chinese University of Hong Kong 香港中文大学	2/2019
Prof Jun Li 李骏教授	Stanford University 史丹福大学	11/2018
Prof Weiping Li 李卫平教授	The Hong Kong University of Science and Technology 香港科技大学	3/2018
Prof Hongyu Liu 刘宏宇教授	City University of Hong Kong 香港城市大学	11/2018
Prof Ren-bao Liu 刘仁保教授	The Chinese University of Hong Kong 香港中文大学	1/2015
Prof Chengde Mao 毛诚德教授	Purdue University 普渡大学	4/2019
Dr Nga-lee Ng 吴雅莉博士	Georgia Institute of Technology 乔治亚理工学院	3/2020
Prof John R Owen	University of Southampton 南安普敦大学	11/2017
Prof Andrey Rogach	City University of Hong Kong 香港城市大学	3/2018
Prof Qi-man Shao 邵启满教授	The Chinese University of Hong Kong 香港中文大学	12/2018

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 学科小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Min Sun 孙敏教授	The University of Hong Kong 香港大学	11/2019
Prof Simon F. B. Tett	The University of Edinburgh 爱丁堡大学	1/2019
Prof Christopher Tout	University of Cambridge 剑桥大学	3/2018
Prof Jianfang Wang 王建方教授	The Chinese University of Hong Kong 香港中文大学	3/2018
Prof Xiaoping Wang 王筱平教授	The Hong Kong University of Science and Technology 香港科技大学	4/2020
Prof Yinsheng Wang 汪寅生教授	University of California, Riverside 加州大学河滨分校	2/2016
Prof Ricky Man-shing Wong 黄文成教授	Hong Kong Baptist University 香港浸会大学	2/2017
Prof Teng-fong Wong 黄庭芳教授	The Chinese University of Hong Kong 香港中文大学	3/2020
Prof Zhouping Xin 辛周平教授	The Chinese University of Hong Kong 香港中文大学	11/2018
Prof Vivian W.W. Yam 任咏华教授	The University of Hong Kong 香港大学	11/2019
Prof Yushan Yan 严玉山教授	University of Delaware 特拉华大学	1/2015
Prof Tong Yang 杨彤教授	City University of Hong Kong 香港城市大学	11/2019
Prof Wang Yao 姚望教授	The University of Hong Kong 香港大学	11/2017
Dr Zhongping Yao 姚锺平博士	The Hong Kong Polytechnic University 香港理工大学	2/2019
Prof Zhiliang Ying 应志良教授	Columbia University 哥伦比亚大学	11/2018
Prof Qiming Zhou 周启鸣教授	Hong Kong Baptist University 香港浸会大学	3/2018
Prof Jun Zou 邹军教授	The Chinese University of Hong Kong 香港中文大学	3/2020



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Collaborative Research Fund Committee

#### 协作研究金委员会

Committee Member 委员会成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Paul K L Yu (Chairman) 余劫离教授 (主席)	University of California, San Diego 加州大学圣地牙哥分校	7/2017
Professor Jennifer Adams	Drexel University 德雷塞尔大学	3/2019
Professor Kai-nan An 安介南教授	Mayo Clinic 梅约临床医学院	3/2019
Professor Rudolf Bauer	University of Graz 卡尔·弗朗岑斯格拉茨大学	3/2019
Professor David Bellinger	Harvard University 哈佛大学	3/2019
Professor Seth Blackshaw	John Hopkins University School of Medicine 约翰霍普金斯大学	3/2019
Professor Ronaldo I. Borja	Stanford University 史丹福大学	3/2019
Professor L. Catherine Brinson	Duke University 杜克大学	3/2019
Professor Wesley Cantwell	The University of Liverpool 利物浦大学	3/2019
Professor Gregory P. Carman	University of California, Los Angeles 加州大学洛杉矶分校	3/2019
Professor Chin-fei Chen	Harvard University 哈佛大学	3/2019
Professor Jiun-shyan Chen 陈俊贤教授	University of California, San Diego 加州大学圣地牙哥分校	7/2016
Professor Ken P Chong 张建平教授	The George Washington University 乔治华盛顿大学	3/2019
Professor Kai-wing Chow 周启荣教授	University of Illinois at Urbana Champagne 伊利诺大学厄巴纳-香槟分校	3/2019
Professor Yip-wah Chung 锺业华教授	Northwestern University 西北大学	7/2018
Professor Paul Clark	University of Auckland 奥克兰大学	7/2014

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

Committee Member 委员会成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Professor Michael P Doyle 迈克尔·多伊教授	The University of Texas at San Antonio 德克萨斯大学圣安东尼奥分校	7/2015
Professor Thomas Efferth	Johannes Gutenberg University 约翰尼斯·古腾堡—美茵兹大学	3/2019
Professor Cindy Fan 范芝芬教授	University of California, Los Angeles 加州大学洛杉矶分校	8/2017
Professor James Fawcett	University of Cambridge 剑桥大学	3/2019
Professor Gian Francesco Giudice	The European Organization for Nuclear Research (CERN) 欧洲核子研究组织	3/2019
Professor Xiaohua Gong	University of California, Berkeley 加州大学柏克莱分校	3/2019
Dr Julio C. Guerrero	Exponent, Inc.	3/2019
Professor Xuming He 何旭铭教授	University of Michigan 密芝根大学	3/2019
Professor Zhigang He 何志刚教授	Harvard University 哈佛大学	12/2016
Professor J.J. Po-an Hsieh 谢博安教授	Georgia State University 乔治亚州立大学	3/2019
Professor Grace Yick Hsuan	Drexel University 德雷塞尔大学	3/2019
Professor William N Hunter	University of Dundee 邓迪大学	3/2019
Professor Arie Iserles	University of Cambridge 剑桥大学	3/2019
Professor Chennupati Jagadish	Australian National University 澳洲国立大学	3/2019
Professor Raymond Kan 简文豹教授	University of Toronto 多伦多大学	7/2017
Professor Yibin Kang 康毅滨教授	Princeton University 普林斯顿大学	3/2019
Professor Kay Tee Khaw	University of Cambridge 剑桥大学	3/2019
Professor Mansun Law	The Scripps Research Institute 斯克里普斯研究所	3/2019



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Committee Member</b> 委员会成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Professor Ping-yea Law 罗秉义教授	University of California, Los Angeles 加州大学洛杉矶分校	3/2019
Professor Ting-kuo Lee 李定国教授	Academia Sinica, Taiwan 中央研究院	3/2019
Professor Haitao Li 李海涛教授	Cheung Kong Graduate School of Business 长江商学院	3/2019
Professor Haizhou Li 李海洲教授	National University of Singapore 新加坡国立大学	3/2019
Professor Hongbin Li 李宏彬教授	Stanford University 史丹福大学	3/2019
Professor Fanxin Long 龙凡欣教授	Washington University 华盛顿大学	3/2019
Professor Sylvie Lorente 洛朗特教授	University of Toulouse 图卢兹大学	3/2019
Professor Gigi Luk 陆智敏教授	McGill University 麦基尔大学	3/2019
Professor Anita Mak 麦吕瑞华教授	University of Canberra 坎培拉大学	7/2017
Professor Bill Milne 米尔恩教授	University of Cambridge 剑桥大学	9/2017
Professor Anil Netravali 奈特拉瓦利教授	Cornell University 康奈尔大学	3/2019
Professor John R Owen 欧文教授	University of Southampton 南安普敦大学	3/2019
Professor Xiaoqing Pan 潘晓晴教授	University of California – Irvine 加州大学尔湾分校	3/2019
Professor Jian Pei 裴健教授	Simon Fraser University 西门菲沙大学	3/2019
Professor Peter Petraitis 佩特赖蒂斯教授	University of Pennsylvania 宾夕法尼亚大学	3/2019
Professor Ada Poon 潘爱达教授	Stanford University 史丹福大学	3/2019
Professor Jonas Rosendahl 罗森达赫教授	University of Halle-Wittenberg 哈雷-维滕贝格大学	3/2019
Professor Jay Siegel 西格尔教授	Tianjin University 天津大学	7/2014
Professor Geoffrey L Smith 史密斯教授	University of Cambridge 剑桥大学	7/2015

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

Committee Member 委员会成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Professor Richard Strugnell	The University of Melbourne 墨尔本大学	7/2016
Professor David T. Takeuchi	University of Washington 华盛顿大学	3/2019
Professor Hong Tang	Yale University 耶鲁大学	3/2019
Professor Christopher Tout	University of Cambridge 剑桥大学	3/2019
Professor Rosalie Tung 董林雪英教授	Simon Fraser University 西门菲莎大学	7/2018
Professor Cun-yu Wang 王春雨教授	University of California, Los Angeles 加州大学洛杉矶分校	3/2019
Professor Da-zhi Wang 王大之教授	Harvard University 哈佛大学	3/2019
Professor Yinsheng Wang 汪寅生教授	University of California, Riverside 加州大学河滨分校	3/2019
Professor Zhiyong Wang 王志勇教授	Stanford University 史丹福大学	3/2019
Professor Dapeng Oliver Wu 吴大鹏教授	University of Florida 佛罗里达大学	3/2019
Professor Cary Yang 杨远伟教授	Santa Clara University 圣塔克拉拉大学	3/2019
Professor Yuanyuan Yang 杨圆圆教授	Stony Brook University 石溪大学	3/2019
Professor Hongtao Yu	The University of Texas Southwestern Medical Center 德克萨斯大学达拉斯西南医学中心	3/2019
Professor Tian-cheng Zhang 张天成教授	University of Nebraska-Lincoln at Omaha Campus 内布拉斯加大学	3/2019
Professor Chunfeng Zhao	Mayo Clinic College of Medicine 梅约临床医学院	3/2019
Professor Ming-hao Zheng	The University of Western Australia 西澳大学	3/2019



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Major Projects Steering Committee

#### 大型研究项目督导委员会

Committee Member 委员会成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Edward Sze-shing Yeung (Chairman) 杨仕成教授 (主席)	Iowa State University 爱荷华州立大学	7/2017
Prof Jiun-shyan Chen 陈俊贤教授	University of California, San Diego 加州大学圣地牙哥分校	7/2016
Prof Cindy Fan 范芝芬教授	University of California, Los Angeles 加州大学洛杉矶分校	8/2017
Prof James Fawcett	University of Cambridge 剑桥大学	9/2019
Prof Raymond Kan 简文豹教授	University of Toronto 多伦多大学	7/2017
Prof Bill Milne	University of Cambridge 剑桥大学	9/2017
Prof Paul K L Yu 余劫离教授	University of California, San Diego 加州大学圣地牙哥分校	7/2017

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Theme-based Research Scheme Selection Panel

#### 主题研究计划遴选小组

Panel Member 遴选小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Edward Sze-shing Yeung (Chairman) 杨仕成教授 (主席)	Iowa State University 爱荷华州立大学	7/2017
Prof Sabri Cetin	University of Illinois at Chicago 伊利诺大学芝加哥分校	7/2016
Dr Hon-fai Chan 陈汉辉博士	Cinotech Consultants Limited	8/2019
Prof Jiun-shyan Chen 陈俊贤教授	University of California, San Diego 加州大学圣地牙哥分校	8/2018
Prof Rowland W Chang 张慰堂教授	Northwestern University 西北大学	7/2014
Prof Jin-chuan Duan 段锦泉教授	National University of Singapore 新加坡国立大学	11/2017
Prof Cindy Fan 范芝芬教授	University of California, Los Angeles 加州大学洛杉矶分校	8/2017
Prof James Fawcett	University of Cambridge 剑桥大学	9/2019
Prof Raymond Kan 简文豹教授	University of Toronto 多伦多大学	7/2017
Prof Yibin Kang 康毅滨教授	Princeton University 普林斯顿大学	7/2017
Prof Wing-kam Liu 廖荣锦教授	Northwestern University 西北大学	11/2015
Prof Sylvie Lorente	University of Toulouse 图卢兹大学	8/2019
Prof Bill Milne	University of Cambridge 剑桥大学	9/2019
Mr Victor Ng 吴国豪先生	Micom Tech Limited	8/2019





## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 遴选小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Roger H Reeves	Johns Hopkins University 约翰斯·霍普金斯大学	7/2014
Prof Anne Rutkowski	Tilburg University 蒂尔堡大学	7/2014
Prof Jay Siegel	Tianjin University 天津大学	7/2016
Prof Masayoshi Tomizuka 冨冢诚义教授	University of California at Berkeley 加州大学柏克莱分校	11/2015
Prof Rosalie L Tung 董林雪英教授	Simon Fraser University 西门菲莎大学	4/2020
Prof Andrew J Whittle	Massachusetts Institute of Technology 麻省理工学院	7/2018
Prof William M Worek	Texas A&M University - Kingsville 德克萨斯州农工大学金斯维尔分校	7/2014
Prof Hongtau Yu 于洪涛教授	University of Texas 德克萨斯州大学	4/2020
Prof Paul K L Yu 余劫离教授	University of California, San Diego 加州大学圣地牙哥分校	7/2015
Prof Harold Zhang 张慧冰教授	University of Texas at Dallas 德克萨斯州大学达拉斯分校	10/2018
Prof Xiaodong Zhu 朱晓冬教授	University of Toronto 多伦多大学	11/2017

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Steering Committee on Research Themes and Topics

#### 研究主题及题目督导委员会

Committee Member 委员会成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Lap-chee Tsui, GBM, GBS, JP (Chairman) 徐立之教授, GBM, GBS, JP (主席)	The Academy of Sciences of Hong Kong 香港科学院	11/2017
Prof Shuk-han Cheng 郑淑娴教授	City University of Hong Kong 香港城市大学	11/2017
Dr Nim-kwan Cheung 张念坤先生	Alphotonics Limited	1/2020
Mr Henry Kwong-han Leung 梁广恒先生	Nano and Advanced Materials Institute Limited 纳米及先进材料研究院有限公司	11/2017
Prof Dennis Yuk-ming Lo, SBS, JP 卢煜明教授, SBS, JP	The Chinese University of Hong Kong 香港中文大学	11/2017
Prof Ting-chuen Pong 庞鼎全教授	The Hong Kong University of Science and Technology 香港科技大学	11/2017
Mr Ming-yam Wong, SBS, JP 王明鑫先生, SBS, JP	Innolink Investments Limited	11/2017
Prof Richard Yue-chim Wong, SBS, JP 王于渐教授, SBS, JP	The University of Hong Kong 香港大学	11/2017
Prof Edward Sze-shing Yeung (Ex-officio Member) 杨仕成教授 (当然成员)	Iowa State University 爱荷华州立大学	11/2017
Prof Charles Surya (Ex-officio Member) (当然成员)	Innovation and Technology Commission 创新科技署	2/2020



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Research Impact Fund Committee

#### 研究影响基金委员会

Committee Member 委员会成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Yip-wah Chung, BBS (Chairman) 锺业华教授, BBS (主席)	Northwestern University 西北大学	3/2018
Prof Owen Addison	University of Alberta 阿尔伯塔大学	4/2018
Prof Daniel Alexander	University College London 伦敦大学学院	4/2018
Prof Soon Ang	Nanyang Technological University 南洋理工大学	4/2018
Prof Mona Baker	The University of Manchester 曼彻斯特大学	4/2018
Prof Randall Berry	Northwestern University 西北大学	4/2018
Prof Eileen Breslin	The University of Texas Health Science Centre 德克萨斯大学医学中心	4/2018
Prof Heather Campbell	The University of Sheffield 谢菲尔德大学	5/2018
Prof Xiao-Ping Chen 陈晓萍教授	University of Washington 华盛顿大学	3/2018
Prof Michael P Doyle	The University of Texas at San Antonio 德克萨斯大学圣安东尼奥分校	3/2018
Prof Susan M. Fitzmaurice	The University of Sheffield 谢菲尔德大学	4/2018
Prof John Fourkas	University of Maryland 马里兰大学	4/2018
Prof Patrick Fox	The Pennsylvania State University 宾夕法尼亚州立大学	6/2018
Prof William Grabe	Northern Arizona University 北亚利桑那大学	4/2018

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Committee Member</b> 委员会成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Dr Robin Grant	The University of Edinburgh 爱丁堡大学	4/2018
Prof Jianguo Guan 官建国教授	Wuhan University of Technology 武汉理工大学	4/2018
Prof Tamara Hervey	The University of Sheffield 谢菲尔德大学	5/2018
Prof Jeffrey Hu	Georgia Institute of Technology 乔治亚理工学院	4/2018
Prof William N Hunter	University of Dundee 邓迪大学	3/2018
Prof Yun-Hee Jeon	The University of Sydney 悉尼大学	5/2018
Prof Zhigang Jiang 江志刚教授	Georgia Institute of Technology 乔治亚理工学院	5/2018
Prof C Eduard Karpov	University of Illinois Chicago 伊利诺大学芝加哥分校	4/2018
Prof Sunil Kukreja	National University of Singapore 新加坡国立大学	4/2018
Prof Terry Lamb	University of Westminster 西敏寺大学	4/2018
Prof Seung-Wuk Lee	University of California, Berkeley 加州大学伯克利分校	4/2018
Prof Shaofan Li 李少凡教授	University of California, Berkeley 加州大学伯克利分校	4/2018
Prof Lingjun Li 李灵军教授	University of Wisconsin Madison 威斯康辛大学麦迪逊分校	4/2018
Dr Ruifeng Liang 梁瑞凤博士	West Virginia University 西维吉尼亚大学	4/2018
Prof Peter K. Liaw 廖楷辉教授	The University of Tennessee, Knoxville 田纳西大学诺克斯维尔分校	4/2018
Prof Wing-kam Liu 廖荣锦教授	Northwestern University 西北大学	3/2018



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Committee Member</b> 委员会成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Peter Lucas	Leiden University 莱顿大学	5/2018
Prof Vincent Mak 麦华嵩教授	University of Cambridge 剑桥大学	4/2018
Prof Stuart Maudsley	VIB-UAntwerp Center for Molecular Neurology 安特卫普大学VIB分子神经病学中心	4/2018
Prof Chris Mi	San Diego State University 圣地亚哥州立大学	4/2018
Prof Tracey Moore	The University of Sheffield 谢菲尔德大学	5/2018
Dr Hidewaki Nakagawa	The University Of Tokyo 东京大学	5/2018
Prof Ray Owens	University of Oxford 牛津大学	4/2018
Prof Jian Pei 裴健教授	Simon Fraser University 西门菲莎大学	5/2018
Mr Michael Pidd	The University of Sheffield 谢菲尔德大学	5/2018
Prof Subramanian Ramaswamy	Prudue University 普渡大学	4/2018
Prof Taina Rantanen	University of Jyväskylä 于韦斯屈莱大学	5/2018
Prof Hemant Kumar Roy	Boston University 波士顿大学	5/2018
Prof Matthias Schwab	University of Tübingen 杜宾根大学	4/2018
Prof Yong Tan 谭勇教授	University of Washington 华盛顿大学	4/2018
Prof Shaoqiang Tang 唐少强教授	Peking University 北京大学	4/2018
Prof Jinhua Wang	University of Minnesota 明尼苏达大学	5/2018

Appendix C: Committee/Panel Membership 2019/20  
附录 C：委员会／学科小组 2019/20 年度成员名单

Committee Member 委员会成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Bridgette Wessels	University of Glasgow 格拉斯哥大学	4/2018
Prof David Winkler	Monash University 蒙纳殊大学	4/2018
Prof Dapeng Oliver Wu 吴大鹏教授	University of Florida 佛罗里达大学	4/2018
Prof Simeon Yates	University of Liverpool 利物浦大学	4/2018
Prof Won-Sub Yoon	Sungkyunkwan University 成均馆大学	4/2018
Prof Raymond Yung	University of Michigan 密西根大学	4/2018
Prof Yongjie Jessica Zhang	Carnegie Mellon University 卡尼基美隆大学	5/2018
Prof Hongcai Joe Zhou 周宏才教授	Texas A&M University 德州农工大学	5/2018



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Steering Committee on Competitive Research Funding for the Self-financing Degree Sector 自资学位界别竞逐研究资助督导委员会

Committee Member 委员会成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Benjamin W Wah, JP (Chairman) 华云生教授, JP (主席)	The Chinese University of Hong Kong 香港中文大学	10/2013
Prof Che-ting Chan 陈子亭教授	The Hong Kong University of Science and Technology 香港科技大学	10/2016
Prof Patrick Yam-keung Chau 周荫强教授	The University of Hong Kong 香港大学	10/2018
Prof Helen Mei-ling Meng 蒙美玲教授	The Chinese University of Hong Kong 香港中文大学	10/2013
Prof Catherine Tien-lun Sun 孙天伦教授	Hong Kong Shue Yan University 香港树仁大学	10/2018
Prof Eden Siu-hung Yu 俞肇熊教授	Chu Hai College of Higher Education 珠海学院	10/2016
Mr Esmond Chung-sin Lee, JP (Ex-officio Member) 李忠善先生, JP (当然成员)	Education Bureau, HKSAR Government 香港特别行政区教育局	10/2019

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

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

#### 本地自资学位界别竞逐研究资助计划评审小组

Panel Member 小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Helen Mei-ling Meng (Chairman) 蒙美玲教授(主席)	The Chinese University of Hong Kong 香港中文大学	9/2016
Prof Che-ting Chan (Subject Convenor (Physical Sciences)) 陈子亭教授 (学科召集人(自然科学))	The Hong Kong University of Science and Technology 香港科技大学	2/2016
Prof George Guo-quan Huang (Subject Convenor (Engineering)) 黄国全教授 (学科召集人(工程学))	The University of Hong Kong 香港大学	3/2016
Prof Julie Juan Li (Subject Convenor (Business Studies)) 李娟教授 (学科召集人(商学))	City University of Hong Kong 香港城市大学	3/2020
Prof Kenneth Kuen-fung Sin (Subject Convenor (Humanities and Social Sciences)) 冼权锋教授 (学科召集人(人文学及社会科学))	The Education University of Hong Kong 香港教育大学	10/2017
Prof Chris Kong-chu Wong (Subject Convenor (Biology and Medicine)) 黄港住教授 (学科召集人(生物学及医学))	Hong Kong Baptist University 香港浸会大学	3/2020
Prof Alan Hoi-shou Chan 陈海寿教授	City University of Hong Kong 香港城市大学	3/2020
Prof Kalok Chan 陈家乐教授	The Chinese University of Hong Kong 香港中文大学	3/2018





## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Allan Kit-kwong Chan 陈洁光教授	The Open University of Hong Kong 香港公开大学	3/2018
Prof Ngai-hang Chan 陈毅恒教授	The Chinese University of Hong Kong 香港中文大学	3/2018
Prof Felix Tung-sun Chan 陈东燊教授	The Hong Kong Polytechnic University 香港理工大学	3/2017
Prof Honglin Chen 陈鸿霖教授	The University of Hong Kong 香港大学	3/2015
Prof Christy Mei-kwan Cheung 张美君教授	Hong Kong Baptist University 香港浸会大学	3/2019
Prof Stephen Yiu-wai Chu 朱耀伟教授	The University of Hong Kong 香港大学	3/2017
Prof Cecilia Ka-wai Chun 秦家慧教授	The Chinese University of Hong Kong 香港中文大学	3/2018
Prof Joanne Wai-yee Chung 锺慧仪教授	The Education University of Hong Kong 香港教育大学	3/2015
Prof David Faure 科大卫教授	The Chinese University of Hong Kong 香港中文大学	3/2018
Prof Sylvia Ying He 何颖教授	The Chinese University of Hong Kong 香港中文大学	3/2020
Prof Kin-fai Ho 何建辉教授	The Chinese University of Hong Kong 香港中文大学	3/2020
Prof Liqiang Huang 黄力强教授	The Chinese University of Hong Kong 香港中文大学	3/2015
Prof Timothy Chi-yui Kwok 郭志锐教授	The Chinese University of Hong Kong 香港中文大学	3/2017
Prof Paul Sau-him Lau 刘修谦教授	The University of Hong Kong 香港大学	3/2020
Prof Joseph Tak-fai Lau 刘德辉教授	The Chinese University of Hong Kong 香港中文大学	3/2017
Prof Barbara Chuen-yee Lo 罗传意教授	Lingnan University 岭南大学	3/2020

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Wilson Wei-sheng Lu 吕伟生教授	The University of Hong Kong 香港大学	3/2018
Prof Tony Hong-wing Tam 谭康荣教授	The Chinese University of Hong Kong 香港中文大学	3/2020
Prof King-fai Tam 谭景辉教授	The Chinese University of Hong Kong 香港中文大学	3/2017
Prof Chiu-kay Tang 邓昭祺教授	Chu Hai College of Higher Education 珠海学院	3/2016
Prof Man-lai Tang 邓文礼教授	The Hang Seng University of Hong Kong 香港恒生大学	4/2016
Prof Hau-san Wong 黄厚生教授	City University of Hong Kong 香港城市大学	3/2020
Prof Ellick Kin-fai Wong 黄健辉教授	The Hong Kong University of Science and Technology 香港科技大学	3/2015
Prof Raymond Wai-yeung Wong 黄维扬教授	The Hong Kong Polytechnic University 香港理工大学	3/2020
Prof Eugene Yin-cheung Wong 黄彦璋教授	The Hang Seng University of Hong Kong 香港恒生大学	3/2020
Prof Jiang Xu 徐江教授	The Chinese University of Hong Kong 香港中文大学	3/2015
Prof Hong-xing Yang 杨洪兴教授	The Hong Kong Polytechnic University 香港理工大学	3/2020
Prof Zhong-ping Yao 姚锺平教授	The Hong Kong Polytechnic University 香港理工大学	3/2019
Prof Kin-man Yu 余健文教授	City University of Hong Kong 香港城市大学	3/2018
Prof Wayne Weifeng Yu 俞伟峰教授	City University of Hong Kong 香港城市大学	3/2019
Prof Susana Lai-mei Yuen 袁丽薇教授	Caritas Institute of Higher Education 明爱专上学院	3/2020



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Hong Kong PhD Fellowship Scheme Selection Panels 香港博士研究生奖学金计划遴选小组

Panel Member 遴选小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
<b>Humanities, Social Sciences and Business Studies</b> 人文学、社会科学及商科		
Prof Alister Cumming (Chairman) (主席)	University of Toronto 多伦多大学	12/2018
Prof Naren Barfield	Royal College of Art 皇家艺术学院	12/2018
Prof Jeremy Brown	Simon Fraser University 西门菲莎大学	12/2018
Prof Frank Dikotter	The University of Hong Kong 香港大学	12/2018
Prof Hartmut Haberland	Roskilde University 罗斯基勒大学	12/2018
Prof Arthur Kramer	Northeastern University 东北大学	12/2018
Prof Nancy Law	The University of Hong Kong 香港大学	12/2018
Prof Tai-lok Lui, JP 吕大乐教授, JP	The Education University of Hong Kong 香港教育大学	12/2018
Prof Catherine McBride	The Chinese University of Hong Kong 香港中文大学	12/2018
Prof Xin Meng	Australian National University 澳洲国立大学	12/2018
Prof Grace Pownall	Emory University 埃默里大学	12/2018
Prof Douglas Robinson	Hong Kong Baptist University 香港浸会大学	12/2018
Prof Linda Siegel	The University of British Columbia 英属哥伦比亚大学	12/2018
Prof Stuart Sweeney	University of California, Santa Barbara 加州大学圣塔芭芭拉分校	12/2018

Appendix C: Committee/Panel Membership 2019/20  
附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 遴选小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Maureen Taylor	The University of Tennessee 田纳西大学	12/2018
Prof Chung-piaw Teo	National University of Singapore 新加坡国立大学	12/2018
Prof Richard Mark Walker	City University of Hong Kong 香港城市大学	12/2018
Prof John Wei	The Hong Kong Polytechnic University 香港理工大学	12/2018
Prof Sally Wheeler	Australian National University 澳洲国立大学	12/2018
Prof Xiaogang Wu 吴晓刚教授	The Hong Kong University of Science and Technology 香港科技大学	12/2018
Prof Daphne Wing-yee Yiu	The Chinese University of Hong Kong 香港中文大学	12/2018
Prof Guobin Zhu	City University of Hong Kong 香港城市大学	12/2018



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 遴选小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
<b>Sciences, Medicine, Engineering and Technology</b> 科学、医学、工程及科技		
Prof Richard Strugnell (Chairman) (主席)	The University of Melbourne 墨尔本大学	12/2018
Prof Angela Casini	Cardiff University 卡迪夫大学	12/2018
Prof Shuk-han Cheng 郑淑娴教授	City University of Hong Kong 香港城市大学	12/2018
Prof Siu-wing Cheng 郑绍荣教授	The Hong Kong University of Science and Technology 香港科技大学	12/2018
Prof Manish Chhowalla	University of Cambridge 剑桥大学	12/2018
Prof Matthis Ebert	Heidelberg University 海德堡大学	12/2018
Prof Amr Elnashai	University of Houston 休士顿大学	12/2018
Prof Brian Ford-Lloyd	University of Birmingham 伯明翰大学	12/2018
Prof Makarand Hastak	Purdue University 普渡大学	12/2018
Prof Jie Huang 黄捷教授	The Chinese University of Hong Kong 香港中文大学	12/2018
Prof Judy Jionghua Jin	University of Michigan 密西根大学	12/2018
Prof Francis C.M. Lau 刘重明教授	The Hong Kong Polytechnic University 香港理工大学	12/2018
Prof Baochun Li 李葆春教授	University of Toronto 多伦多大学	12/2018
Prof Hongyu Liu	Hong Kong Baptist University 香港浸会大学	12/2018

Appendix C: Committee/Panel Membership 2019/20  
附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 遴选小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Irene Oi-lin Ng 吴吕爱莲教授	The University of Hong Kong 香港大学	12/2018
Prof Deb Niemeier	University of California, Davis 加州大学戴维斯分校	12/2018
Prof Laura Poole-Warren	University of New South Wales 新南威尔士大学	12/2018
Prof Chi-wang Shu	Brown University 布朗大学	12/2018
Prof Jay X Tang	Brown University 布朗大学	12/2018
Prof Dacheng Tao	The University of Sydney 雪梨大学	12/2018
Prof Huating Wang 王华婷教授	The Chinese University of Hong Kong 香港中文大学	12/2018
Prof Jianliang Xu	Hong Kong Baptist University 香港浸会大学	12/2018
Prof Xiaoqi Yang 杨晓琪教授	The Hong Kong Polytechnic University 香港理工大学	12/2018
Prof Jianzhen Yu 郁建珍教授	The Hong Kong University of Science and Technology 香港科技大学	12/2018
Prof Pong-chi Yuen 阮邦志教授	Hong Kong Baptist University 香港浸会大学	12/2018
Prof Wing-ho Yung 容永豪教授	The Chinese University of Hong Kong 香港中文大学	12/2018
Prof Ruiqin Zhang 周瑞勤教授	City University of Hong Kong 香港城市大学	12/2018
Prof Xiaodong Zhang	The Ohio State University 俄亥俄州立大学	12/2018
Prof Changsong Zhou 周昌松教授	Hong Kong Baptist University 香港浸会大学	12/2018



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### RGC Research Fellow Scheme / RGC Senior Research Fellow Scheme 研资局研究学者计划／研资局高级研究学者计划

Panel Member 遴选小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
<b>Humanities, Social Sciences and Business Studies Selection Panel</b> 人文学、社会科学及商科遴选小组		
Prof Paul Clark (Chair)	The University of Auckland 奥克兰大学	1/2020
Prof Larry Catá Backer	The Pennsylvania State University 宾夕法尼亚州立大学	2/2020
Prof Jinfa Cai 蔡金法教授	University of Delaware 特拉华大学	2/2020
Prof Andrew Delios	National University of Singapore 新加坡国立大学	2/2020
Prof Wilt Idema 伊维德教授	Harvard University 哈佛大学	2/2020
Prof Zhuo Jing-Schmidt 井茁教授	University of Oregon 俄勒冈大学	2/2020
Prof Raymond Kan 简文豹教授	University of Toronto 多伦多大学	2/2020
Prof Gigi Luk 陆智敏教授	McGill University 麦基尔大学	2/2020
Prof Anita Mak	University of Canberra 坎培拉大学	2/2020
Prof David Takeuchi	University of Washington 华盛顿大学	2/2020
Prof Rosalie L Tung 董林雪英教授	Simon Fraser University 西门菲莎大学	2/2020
Prof Nancy Wong	University of Wisconsin-Madison 威斯康星大学麦迪逊分校	2/2020
Prof Mei Zhan	University of California, Irvine 加利福尼亚大学尔湾分校	2/2020

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

Panel Member 遴选小组成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
<b>Science, Technology, Engineering and Mathematics Selection Panel</b> 科学、科技、工程及数学遴选小组		
Prof Adrian Dixon	University of Cambridge 剑桥大学	1/2020
Prof Ying Cheong	University of Southampton 南安普敦大学	2/2020
Prof Thomas Efferth	Johannes Gutenberg University 约翰尼斯·古腾堡—美茵兹大学	2/2020
Prof Gian Francesco Giudice	CERN 欧洲核子研究组织	2/2020
Prof Grace Yick Hsuan	Drexel University 德雷塞尔大学	2/2020
Prof Haizhou Li 李海洲教授	National University of Singapore 新加坡国立大学	2/2020
Prof Yiu-wing Mai 米耀荣教授	The University of Sydney 悉尼大学	2/2020
Prof Bill Milne	University of Cambridge 剑桥大学	2/2020
Prof Alexandru Morega	University Politehnica of Bucharest 布加勒斯特理工大学	2/2020
Prof Jian Pei 裴健教授	Simon Fraser University 西门菲沙大学	2/2020
Prof Jonas Rosendahl	University of Halle-Wittenberg 哈雷—维滕贝格大学	2/2020
Prof Feng Shao 邵峰教授	National Institute of Biological Sciences, Beijing 北京生命科学研究所	2/2020
Prof Simon F. B. Tett	The University of Edinburgh 爱丁堡大学	2/2020
Prof Yinsheng Wang 汪寅生教授	University of California, Riverside 加州大学河滨分校	2/2020





## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

<b>Panel Member</b> 遴选小组成员	<b>Institution</b> 所属机构	<b>Appointed in</b> <b>(Month/Year)</b> 委任于(月/年)
Prof Yushan Yan 严玉山教授	University of Delaware 特拉华大学	2/2020
Prof Yuanyuan Yang 杨圆圆教授	Stony Brook University 石溪大学	2/2020
Prof Zhiliang Ying 应志良教授	Columbia University 哥伦比亚大学	2/2020
Prof Chunfeng Zhao	Mayo Clinic 梅约临床医学院	2/2020
Prof Minghao Zheng	The University of Western Australia 西澳大学	2/2020

## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Disciplinary Committee (Investigation)

纪律委员会 (调查)

Committee Member 委员会成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Guoping Feng (Chairman) 冯国平教授 (主席)	Massachusetts Institute of Technology 麻省理工学院	2/2015
Prof Anita S. Mak 麦吕瑞华教授	University of Canberra 坎培拉大学	8/2017
Prof Raghavendra Rau	University of Cambridge 剑桥大学	8/2017
Prof Jay Siegel	Tianjin University 天津大学	2/2015
Prof Paul K L Yu 余劫离教授	University of California, San Diego 加州大学圣地牙哥分校	8/2019



## Appendix C: Committee/Panel Membership 2019/20 附录 C：委员会／学科小组 2019/20 年度成员名单

### Disciplinary Committee (Appeal)

纪律委员会(上诉)

Committee Member 委员会成员	Institution 所属机构	Appointed in (Month/Year) 委任于(月/年)
Prof Alan B Rickinson (Chairman) (主席)	The University of Birmingham 伯明罕大学	8/2016
Prof Paul Clark	The University of Auckland 奥克兰大学	8/2016
Prof Michael P Doyle	The University of Texas at San Antonio 德克萨斯大学圣安东尼奥分校	8/2016
Professor Phillip Phan Hin-choi 潘庆财教授	The Johns Hopkins University 约翰霍普金斯大学	9/2018
Prof Andrew J Szeri	The University of British Columbia 英属哥伦比亚大学	8/2016



## Research Grants Council of Hong Kong

香港研究資助局

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Homepage 网址 : [www.rgc.edu.hk](http://www.rgc.edu.hk)