



研究及知識轉移服務處

Office of Research and
Knowledge Transfer Services



香港中文大學
The Chinese University of Hong Kong



Annual Report on Recurrent Funding for Knowledge Transfer

1 July 2014 - 30 June 2015

Table of Contents

1. Executive Summary
2. Enhancing CUHK Capacity in IP Business
3. Knowledge Transfer Through Entrepreneurship
4. Internal Funding Schemes
5. Stories of Social Impact
6. Looking Ahead
7. 2012-2015 Triennium Summary Report

Annex 1	Financial Statement
Annex 2	Updates on Table 9.1 of Initial Statement
Annex 3	Updates on Table 9.2 of Initial Statement
Annex 4	Number of Patents Filed in 2014/15 with Breakdown
Annex 5	Number of Patents Granted in 2014/15 with Breakdown
Annex 6	Number of Licenses Granted in 2014/15 with Breakdown
Annex 7	Contracts Reviewed and/or Executed through ORKTS 2014/15
Annex 8	Knowledge Transfer Project Fund: Project List and Details
Annex 9	Technology and Business Development Fund: Project List and Details
Annex 10	Number of Spin-off Companies with Breakdown 2014/15
Annex 11	Knowledge Transfer Seminar Series
Annex 12	Network Building: Activities Conducted or Participated in by ORKTS 2014/15

1. Executive Summary

This reporting year, which marks the end of the second triennium for Recurrent Funding for Knowledge Transfer from the University Grants Committee, has been another year of significant achievement for CUHK. Our Office of Research and Knowledge Transfer Services (ORKTS) has managed 570 contracts related to research collaboration and service agreements with institutions and industries, amounting to more than \$158M of committed research funds. Also, our technology licensing income has soared to \$84.8M, double last year's figure and four times as high as in 2013. Other knowledge transfer-related statistics are as follows:

2014-2015 At A Glance

Income generated from IPR	HK\$84.8m	Income generated from collaborative research projects	HK\$64.9m
Number of Patents	Filed: 125 Granted: 58	Income generated from consultancies	HK\$132.9m
Net Income from spin-off companies	HK\$15.4m	Total income received from CPD courses	HK\$39.5m
Income generated from contract research	HK\$19.9m	Total number of beneficiaries from KPF projects	301,774 Individuals

CUHK's Pre-incubation Centre (Pi Centre), an important project brought to fruition with UGC-KT funding, began to demonstrate its utility as a force for knowledge transfer during the report period. Seven student teams pre-incubated at the Pi Centre successfully transitioned to external incubators. The entrepreneurial culture fostered at the Pi Centre has also helped to ensure that funding made available under the Technology Startup Support Scheme Fund (TSSSU) is immediately put to good use. The TSSSU, recently introduced by the Innovation and Technology Commission (ITC), provides seed funding for CUHK professors and students who are ready to launch their own startups. Many of these startups are licensing technologies developed at CUHK. This funding scheme has built on the momentum created by the Pi Centre. During the report period ORKTS helped CUHK professors and students to launch 16 startups, a higher figure than in any other local university.

These and other achievements mentioned in this report reflect the ability of CUHK to respond and adapt to a changing environment. ORKTS staff gained valuable experience last year by managing the licensing opportunities and challenges in relation to some high-stake CUHK inventions. A new technology liaison team at ORKTS has added value in drawing industry and CUHK researchers together. In promoting entrepreneurship on the campus, members of ORKTS have also embraced the entrepreneurial spirit themselves. A renewed emphasis on social impact and responsibility has prompted us to extend our focus to social entrepreneurship in the years ahead. This report explains how CUHK has developed its operation and working relationships with researchers, students and outside parties to surmount the challenges it faces.

2. Enhancing CUHK Capacity in IP Business

Since the merger of the Research Administration Office and the Knowledge Transfer Office into the Office of Research and Knowledge Transfer Services (ORKTS) on 1 March 2014, we have taken several steps to improve our capacity in developing and marketing our IP portfolio. To manage an expanding patent portfolio, ORKTS has started working with external agents to market a portion of the portfolio. A dedicated Technology Liaison Team has also been formed to accelerate IP commercialization by reaching out to industry and reaching in to CUHK researchers. Members of ORKTS's IP team have gained valuable experience by working with specialized advisors and legal experts locally and overseas in several high-stakes licensing deals and patent prosecution cases. In particular, they have been helping CUHK researchers to understand the implications of a number of recent controversial court rulings in the United States on the patentability of computer software and medical diagnostics.

2.1. IP Agents and Licensing Partnership

To enhance its licensing success rate, ORKTS has worked with external market research and licensing agents to analyze market opportunities for CUHK's portfolio and to identify potential licensees. These agents also gathered useful marketing information on specific industries so that ORKTS can disseminate the information to CUHK researchers working in the relevant fields. These agents not only supplement our in-house capabilities but also enhance our knowledge.

To increase our reach in the global market, CUHK has been in discussion with research institutes overseas to explore the possibility of mutually marketing invention portfolios. ORKTS is discussing with a prestigious US research hospital in California the possibility of a collaboration on commercializing novel biomarkers for cancer detection and therapy. CUHK has also been approached by local and overseas partners on the possibility of participating in patent pools.

2.2. Technology Liaison Team

Besides using external agents, ORKTS also responded to the increasing volume of IP work at CUHK by establishing a Technology Liaison Team in 2014, enabling the office to help researchers to identify development partners, educate CUHK researchers on the regulatory environment for technology transfer, conduct due diligence exercises for potential CUHK investments, discuss technology transfer opportunities with researchers whose research projects align with industrial trends, and work with external agents to market CUHK's intellectual property.

2.3. Active Learning through Participation in Conferences and Workshops

Changes in IP laws in many jurisdictions, new licensing and business models, increasing market competition, and complicated contractual obligations have made it necessary for ORKTS to acquire new professional knowledge through participation in conferences and workshops.



CUHK delegation at this year's BIO

The **BIO International Convention** is the largest annual international gathering for the biotechnology industry. The most recent event, held between 16 and 18 June 2015 in Philadelphia, attracted over 15,000 biotechnology professionals from 69 countries. CUHK's exhibition booth in the Hong Kong pavilion attracted considerable attention. The Hong Kong delegation included academics from CUHK's Department of Obstetrics and Gynaecology, School of Biomedical Sciences and School of Life Sciences and representatives from ORKTS, who held one-on-one meetings with key

players in more than 20 large and mid-cap biotechnology companies. In addition to promoting CUHK technologies, we were able to acquire first-hand information about important recent developments in the IP industry.

We also deepened our knowledge of recent developments in the IP industry through participation in workshops. ORKTS sponsored several seminars at CUHK in 2014 for experienced IP lawyers and experts, mostly from overseas, to share their expertise with ORKTS's IP staff and CUHK scientists. For example, a CUHK alumnus presently working as a patent lawyer in the United States assembled some experts to present a seminar on the America Invents Act and its implications. A counsel for a distinguished US Law firm gave a seminar on IP strategy for research institutions. Several members of CUHK IP staff also attended a one-day workshop on IP Policy offered by an external professional advisor from Australia.



Seminar on America Invents Act

The **APAC Innovation Summit 2014/15**, held in December 2014, was a 5-day event organized by the Hong Kong Science and Technology Parks Corporation. CUHK was one of several institutions which showcased its innovations and new technologies to a global audience of over 3,000 experts from 25 countries. Several CUHK researchers (Prof. Dennis LO, Prof. Raymond YEUNG, Prof. LAU Wing Cheong, Prof. CHENG Chun Hung and Prof. WANG Xiaogang) gave seminars in which they shared their successful research and commercialization stories. Several featured projects from CUHK were also exhibited at the Hong Kong Convention Centre during the Summit, including green design architecture, a museum sensor network, and an epigenetic biomarker for diagnosis and prognosis of gastric cancer.

2.4. Revision of University's Policy on Intellectual Property

The University's Policy on Intellectual Property was last reviewed in early 2013. As a result of recent developments in the industry, particularly in areas related to entrepreneurship, joint IP ownership and distance learning, a task force consisting of ORKTS administrators and CUHK researchers was established during the report period to review and update the current IP policy. The task force has been asked to devise strategies and policies that strike a balance between protecting University's IP interests and promoting knowledge transfer, and a lawyer specializing in IP policy has been retained to advise it.

3. Knowledge Transfer through Entrepreneurship

The most rapidly evolving area during the report period was the launch of startups by students and faculty members. In 2013 Prof. Joseph SUNG, CUHK's Vice-Chancellor, pledged to provide facilities where inventive students could test their entrepreneurial ideas. A **Pre-incubation Centre (Pi Centre)** was established and began operation in February 2014. The first call for applications attracted 22 teams of students, 9 of which were selected by a panel of expert industry advisers. The second call for applications in September 2014 attracted 20 teams, 7 of which were selected. These teams were provided with a stimulating and well-equipped workspace supported by a full-time staff member. To nurture the development of an entrepreneurial culture, a full-time experienced consultant was also hired to provide mentorship and to build connections with industry and investment communities. The centre's operations and development are overseen by a steering committee which includes representatives from the Centre for Entrepreneurship (CfE), the Centre of Innovation and Technology (CINTEC) and ORKTS. The Pi Centre was formally opened on 18 September 2014 by Prof. Joseph SUNG and Prof. Fanny CHEUNG, Pro-Vice-Chancellor for Research. It holds workshops and events regularly, sometimes in the evening so that entrepreneurs and speakers from outside CUHK can conveniently participate and share their experience. More than 32 entrepreneurial events were held in the Pi Centre during the report period. To date, 7 student teams pre-incubated at the Centre have developed into startups and moved on to external incubators such as the Hong Kong Science and Technology Parks.



While the Pi Centre represents a solid starting point for launching startups among students, the launching of the **Technology Start-up Support Scheme for Universities (TSSSU)** has catapulted CUHK entrepreneurship into the next phase. The TSSSU is an annual \$4M fund provided by the Innovation and Technology Commission (ITC) and commenced since December of 2014 with the goal to support CUHK students and faculty members to launch their startups. A successful CUHK applicant team can receive up to \$500,000 annually for up to three years. As this ITC funding scheme is provided to CUHK on a reimbursement basis, CUHK senior management has decisively provided a loan for ORKTS to operate the fund on a pre-payment schedule, alleviating the difficulty for the startups to come up with capital upfront. The technology licensing team of ORKTS also came up with two licensing options for TSSSU startups, with the goal to lower the entry barrier for these startups to obtain licenses for CUHK technologies. These concerted efforts have made the TSSSU a popular and successful funding scheme among CUHK faculty members and students. The influential local newspaper *Wen Wei Po* noted that the 16 startups enabled at CUHK this year put it ahead of all the other local universities.

ORKTS also co-sponsored the **Entrepreneur Day** organized by CUHK's Alumni Affairs Office in May 2015. This 2-day event, held on CUHK's campus, showcased 43 startups founded by CUHK staff, students, and alumni. Successful alumni entrepreneurs were also invited to share their experience with the audience in seminars. The event attracted more than 1,000 attendees. ORKTS also sponsored the first **CUHK Summit on**



Opening Speech by Prof. Joseph SUNG

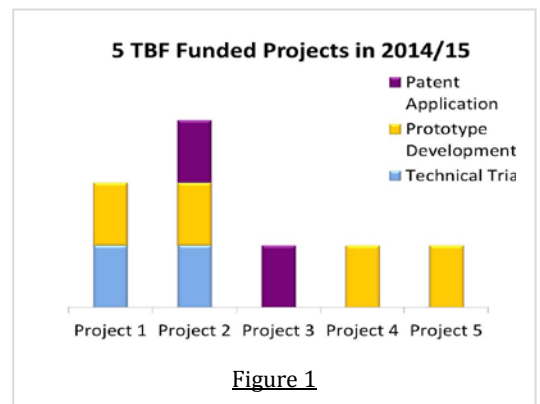
Healthcare Innovation and Biomedical Engineering, held on the university’s campus on 21 March 2015.

To learn from other successful startups and incubators, three members of the Pi Centre and TSSSU Steering Committee joined a Hong Kong delegation for **an entrepreneurship study trip to San Francisco and Seattle**. The delegation, organized by the Hong Kong Information Technology Joint Council and led by the chairwoman of the Hong Kong Science and Technology Parks and the chairman of Cyberport, participated in a venture capital forum and business matching sessions at the Hero City at Draper University in San Francisco. The delegation also visited 500 Startups, an accelerator in San Francisco that offers shared working space and immersive training programs for entrepreneurs. The delegation also attended seminars and tours by companies such as SRI international, Cisco and Microsoft to learn how they developed research programs intended for product commercialization.

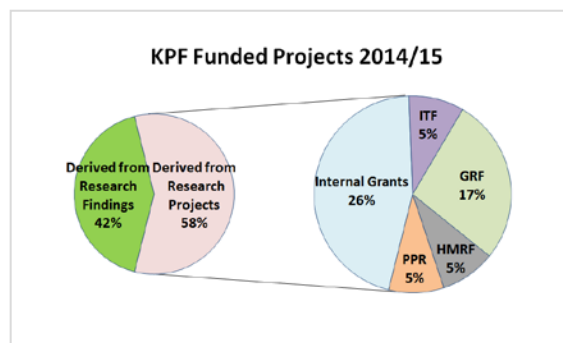
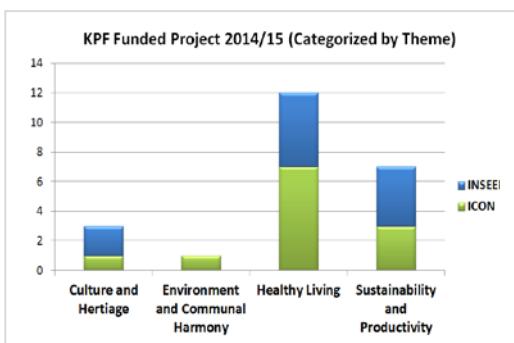
CUHK also subsidized the participation of 14 CUHK undergraduates and post-graduates in a **5-day entrepreneurship study trip to Taiwan** from 21 to 25 June 2015. Accompanied by staff members from CfE and ORKTS, these students visited 3 startups, 2 incubators, 1 social enterprise and 3 investment firms. They also visited the Taipei office of Google. Through face-to-face discussions with seasoned entrepreneurs, investors, and product developers, the students gained useful information and valuable lessons in equipping themselves on their own entrepreneurial journey.

4. Internal Funding Schemes

The **Technology and Business Development Fund (TBF)** provides capital to help CUHK researchers evaluate whether their innovative ideas can be translated into commercially viable products. The fund supports development of prototypes, market research, technical trials, business development with potential partners, and patent applications. Applications submitted by CUHK researchers are evaluated by an expert panel based on three main criteria: (1) the technical merits of the product; (2) its commercial viability and market readiness; and (3) the availability of potential partners for product development and launch. 5 TBF projects were awarded funding during the report period.



During the report period, the **Knowledge Transfer Project Fund (KPF)** supported 23 proposals, more than half of which were interdisciplinary efforts which promised various social, cultural, environmental and economic benefits (see Figure 2 & 3).

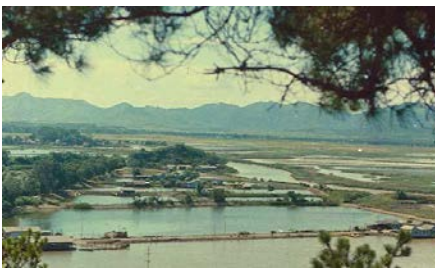


5. Stories of Social Impact

Innovative research can have an important social impact. The following stories illustrate some of the ways in which CUHK's researchers are helping to benefit society.

5.1. Culture and Heritage

Hong Kong's Threatened Natural Heritage: Exploiting the Potential for Wetland Ecotourism



Hong Kong's wetlands

Wetlands are home to some of the richest biodiversity on earth, and the ecosystems they support they provide play an important economic role in the lives of millions of people worldwide, particularly farmers and fishermen.

In recent decades, Hong Kong's agricultural land has faced relentless pressure from the demands of urban development. Even iconic localities such as the Mai Po Marshes, a wetland area of international significance which provides a haven for endangered migratory birds, face an uncertain future. In order to raise public awareness and educate visitors about this vanishing local heritage, **Prof. Sydney CHEUNG** from the Department of Anthropology, **Prof. Peter CHEUNG** from Department of Food Nutritional Sciences, and **Prof. Eliza TSE** from the Department of Hotel and Tourism Management developed a visitor package that explored the potential of Hong Kong's remaining wetlands as sites for ecotourism.

The team exploited the knowledge of local farmers, bird watchers and conservation groups to design a number of ecotourism trails in the Mai Po Marshes that highlighted their scenery and gave participants the chance to sample the local food and discover how local villagers lived. Pilot tours were organized for secondary school teachers, overseas University students, and local NGOs, and the feedback gained helped the team to develop the final package.



An ecotourism route designed with special attractions of the area

5.2. Environment and Communal Harmony

Magic Carpet: Re-envisioning Community Space

In recent years, many Hongkongers have sought to assert their distinctive identity. Community and heritage that are quintessentially local have encapsulated the collective memory of the local population. "Magic Carpet" is a creative outreach project initiated by **Prof. Hendrik TIEBEN** of the School of Architecture and **Prof. Anthony FUNG** of the School of Journalism



Outdoor screening at Sai Ying Pun

and Communication, which combines documentation of daily life, community engagement and urban design to re-envision community space. The team has focused on public spaces such as Sai Ying Pun and Tin Shui Wai, which are in danger of losing their heritage to modernity.

On the night of the Mid-Autumn Festival in 2013, the team laid carpets and erected a screen that transformed the sloped Centre Street in Sai Ying Pun into an outdoor cinema. Centre Street was once the most important gathering place of the community, but its importance faded when its illegal hawker stands were removed in the 1970s and 1980s because of their poor standards of hygiene and the dangers they posed to pedestrians and vehicles. Between March and May 2013 the project team visited King's College, a long-established secondary school in Sai Ying Pun, and conducted a series of workshops with more than 20 teenage students. The students learned about the district's history and current development, and were taught how to conduct video interviews with community members. These interviews were made into a community-specific documentary.

The new town of Tin Shui Wai in Yuen Long district has acquired a reputation for poverty and domestic violence, and has been dubbed the 'City of Sorrow' by the local media. The project team designed 'Magic Carpet: Tin Shui Wai' to encourage communal encounters and micro-economic activities. In a collaborative project with Pui Shing Catholic Secondary School and the Tung Wah Group of Hospitals Tin Sau Bazaar, more than 30 videos produced by students were displayed at an outdoor 'moonlight cinema' during the Mid-Autumn Festival in 2014. The students interviewed local residents and asked them for their life stories, views on the district's development and suggestions for improving the neighbourhood. As in the Sai Ying Pun project, student participants first attended workshops organized by CUHK, where they learned about Tin Shui Wai's urban planning and development and were taught how to produce a video and conduct an interview.



Moonlight Cinema at Tin Sau Bazaar, Tin Shui Wai

The events also included other activities, including a drawing competition, lantern riddle games and booth games for residents. The festive atmosphere celebrated the distinctive character of the two areas and helped to promote a sense of community.

5.3. Healthy Living

Cuffless non-invasive blood pressure measurement technology

The development of 'digital health' technologies in recent years has had a significant impact on daily healthcare. More and more people have taken to wearing devices such as smart watches and bracelets with health and fitness tracking functions, and their enthusiasm for these gadgets has created a promising market for manufacturers.

A large electronic communication device manufacturer in China has recently licensed the 'cuffless non-invasive blood pressure measurement technology' developed by **Prof. ZHANG Yuan Ting** of CUHK's Department of Electronic Engineering. The manufacturer intends to develop a smart watch that can

monitor users' blood pressure. The technology developed by the CUHK team is simpler and quicker to use than existing measuring devices, and enables users to monitor their blood pressure quickly and unobtrusively. Measurement results could also be uploaded to the Internet for medical analysis, health monitoring, and emergency alerts for users with a disease history or at high risk of potential heart problems.

A prototype device based on the CUHK technology will be available within a year, and is expected to be marketed in September 2016. The manufacturer hopes to sell around 400,000 units in the first few years.

Detection of Disease Related Retinal Nerve Fiber Layer Thinning

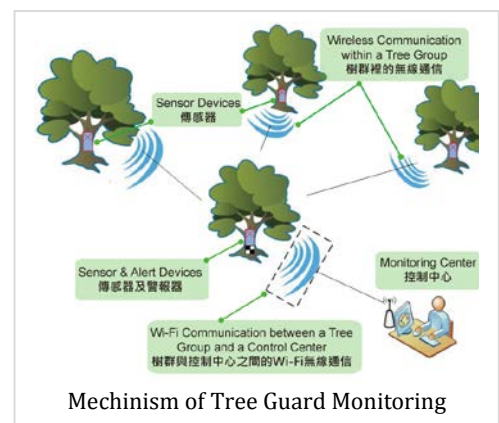
Glaucoma is one of the most common types of optic neuropathies and a leading cause of irreversible blindness worldwide. Estimates put the total number of suspected cases of glaucoma at over 60 million worldwide. Few people understand how glaucoma is caused, and because it has few obvious symptoms, it normally needs to be diagnosed by a doctor. As glaucoma typically involves the gradual loss of retinal ganglion cells, doctors normally track its progression by measuring the decreasing thickness of the retinal nerve fibre layer (RNFL). A research team led by **Prof. Christopher Kai Shun LEUNG** of the Department of Ophthalmology and Visual Sciences has developed a technology that can measure this thinning process more accurately than existing methods, allowing patients to be diagnosed at an earlier stage of the disease. A license for the technology has recently been granted to a hi-tech manufacturer of optical systems in Germany as an additional application to the manufacturer's own diagnostic system. By improving the diagnostic process, this technology has the potential to prevent irreversible blindness in a significant proportion of glaucoma sufferers.

5.4. Sustainability and Productivity

Tree Guard: A Sensor System to Monitor the Health of Local Trees

The characteristic fragrance of incense trees may have given Hong Kong its name ('fragrant harbour'), but some local species have become so valuable recently that they have become the target of theft. This unwelcome development has prompted **Prof. CHIU Siu Wai** of the School of Life Sciences, **Prof. CHENG Chun Hung** and a team of students and staff from the Department of Systems Engineering and Engineering Management to develop the Tree Guard Monitoring System, a 24-hour surveillance system to protect high-value species and to monitor the condition of sickly trees.

The monitoring system consists of a series of sensors integrated into a hardware device with wireless communication capabilities. When the device is mounted on trees, it alerts the control room if it senses anomalous events such as sawing and hammering. The system can be scaled up through a wi-fi network to cover groups of trees.



The system can provide useful real-time data for tree management teams working in Hong Kong's country parks or in individual property or garden developments. The team hopes to develop the system so that it minimise the danger of accidents by providing timely warning whenever sickly trees are in danger of collapse.

6. Looking Ahead

CUHK is committed to reviewing and improving its knowledge transfer activities in the light of changing circumstances. Although the Knowledge Transfer Project Fund (KPF) has proved to be a popular and successful funding scheme since its inception six years ago, an external consultancy has been commissioned to identify areas that can be further improved. Evaluation of other funding schemes may follow.

We will also explore the possibility of establishing a new funding scheme to assist students and faculty members to launch social enterprises, building on the enthusiasm they have shown for launching their own startups with support from the TSSSU funding scheme. In this respect, it will be important to develop suitable financial incentives to encourage participants to work as enthusiastically for the benefits of other people as they do for themselves.

7. 2012-2015 Triennium Summary Report

7.1. Consolidation and Collaboration

New Organizational Structure. A main focus of the Initial Statement was ‘consolidation and collaboration’. The vision was that CUHK’s Knowledge Transfer Office (KTO) would be an interface to bring together the ‘academic push’ from CUHK researchers and the ‘enterprise pull’ from industry. This vision was decisively implemented when the former Research Administration Office (RAO) was merged with the Knowledge Transfer Office (KTO) in **March 2014** into a new **Office of Research and Knowledge Transfer Services (ORKTS)**. The merger aligned the administration processes between knowledge creation and knowledge transfer. A new Technology Liaison Team was also created in early 2015 to improve the flow of information between academics and industry and to identify promising investment opportunities. New initiatives implemented by the team included contracting external IP agents to promote and market CUHK’s IP, supporting due diligence exercise requested by external investors on CUHK’s IP, creating new licensing options for cash-strapped CUHK entrepreneurs, and organizing workshops to equip researchers with knowledge of commercialization.

Incentives for Knowledge Transfer. CUHK’s IP Policy was revised in 2013 to create better incentives and higher flexibility for the university’s researchers. Researchers can increase their financial contribution to patent filing in return for a higher share of licensing income down the road. In 2014 the University’s staff activity records were amended to include contributions to knowledge transfer alongside teaching and research achievements.

Income generated from IPR	HK\$146m	Income generated from collaborative research projects	HK\$164m
Number of Patents	Filed: 431 Granted: 259	Income generated from consultancies	HK\$403m
Net Income from spin-off companies	HK\$38m	Income generated from contract research projects	HK\$58m
Total income received from CPD courses	HK\$112m		

Cumulative Statistics of KT Performance for 2012 - 2015

Strong Partnerships with Local Industry. Knowledge transfer requires strong partnerships with other institutions. A strong partnership with the Science Park was foreseen in the Initial Statement. Besides establishing a consultancy agreement with the Science Park via CUHK’s Center for Entrepreneurship (CfE), CUHK joined the Science Park in Innovation 2012 and became a Strategic Partner for the theme ‘Innovations for Green and Healthy Living’. CUHK also participated in the APAC Innovation Summit 2014, and was represented on a recent study trip to the United States jointly led by the

Chairwoman of the Science Park. More significantly, CUHK has invited the Science Park to jointly interview applicants to receive funding support from the Technology Startup Support Scheme for Universities (TSSSU). Successful applicants are preapproved for admission to incubation programs at the Science Park. In addition, CUHK worked with Hong Kong Applied Science and Technology Research Institute (ASTRI) in identifying collaboration areas, and helped CUHK students to participate in its Entrepreneurship Fellow Program. CUHK also maintains a strong partnership with BIP Asia Forum and HKTDC in reaching out to industry both locally and overseas.

7.2. Reaching Out to Local Communities

Knowledge Hubs and Knowledge Transfer Project Fund. The four knowledge hubs identified at the beginning of this Triennium stimulated CUHK researchers to create community projects supported by the Knowledge Transfer Project Fund (KPF). Many projects were created from the Art, Humanities, and Social Sciences. Since its inception in 2009, KPF has enabled more than 200 CUHK researchers of all academic disciplines to engage the Hong Kong society on many fronts. During the Awards of Excellence of Social Engagement 2013, local veterans in public policy and social services joined CUHK academics to celebrate a range of impact on policy, health, industry and culture, with details corroborated by an array of case studies. Highlights of KPF projects can be found on <http://www.orkts.cuhk.edu.hk/knowledge-transfer-initiatives/project-highlights>.

Total number of beneficiaries from KPF projects	1,345,218 Individuals	Total number of partner organizations	525 Organizations
---	----------------------------------	---------------------------------------	------------------------------

Cumulative Statistics of KPF for 2012 – 2015

Further to the CARE Impact Framework laid out at the beginning of the Triennium, an outside consultancy has been contracted to help acquire deeper insights into improving the KPF funding scheme and assessing its impact on the community.

7.3. The Rise of Student Entrepreneurship

Student entrepreneurship, although not mentioned in the Initial Statement, is an area of Knowledge Transfer that has seen strong interest from CUHK students and faculty members in the past two years. CUHK students have participated with distinction in local, regional and international student entrepreneurship competitions. In early 2014, with the support of the university’s Vice-Chancellor and Pro-Vice-Chancellor for Research, a communal working space known as the Pre-incubation Centre (Pi Centre) was created at CUHK, with facilities and resources for student entrepreneurs. The centre was set up partly with UGC-KT funding support, and its establishment has helped to create the momentum for subsequent entrepreneurship opportunities, such as a funding scheme from the Innovation and Technology Commission (ITC) that enabled the launching of 16 startups by CUHK students and faculty members recently. These startups were accorded substantial visibility in the media, and attracted outside

investments and opportunities. For the history of student entrepreneurship on CUHK campus, please refer to: <http://www.iso.cuhk.edu.hk/english/publications/newsletter/article.aspx?articleid=60545>.

7.4. Knowledge Transfer Collaboration with Mainland China

CUHK pledged in the Initial Statement to collaborate with its counterparts in Mainland China. On the industry side, for example, CUHK has concluded licensing agreements with a leading telecommunication company in China. This company has also secured development agreements with several CUHK engineering departments. Moreover, CUHK has pursued collaboration and service agreements with several universities, hospitals, and research institutes in Mainland China. At the policy level, CUHK has been represented on a number of important regional development forums (e.g., 香港及珠三角地區創新科技產業高端論壇), and has participated in exchanges with provincial government officials on research and technology transfer opportunities. In recent years, CUHK students have participated in student entrepreneurship competitions in Mainland China, including the Ministry of Education's prestigious National Challenge Cups. CUHK also sponsored a prize for 第30屆全國青少年科技創新大賽 held recently.

7.5. Accelerating the Culture of Knowledge Transfer

The use of UGC-KT Fund has created a community of KT practitioners across the university via committee memberships, KT projects and community services, and participations in exhibitions and conferences locally and overseas. Although these KT practitioners have yet been formally named 'KT Fellows', they are strong advocates of knowledge transfer, often by sharing their experience with peers in seminars. Their success stories have been published in CUHK's newsletters and in the local media. In the years ahead, our strategy will continue on publicizing successful stories and holding events that give opportunities for successful KT practitioners to share their experience and wisdom with others.



Professor Fanny M. Cheung
Pro-Vice-Chancellor
30 July 2015

Updates on Table 9.1 of Initial Statement

(Data 1 July 2014 – 30 June 2015)

UGC Performance Indicators		Last year	Current year
		2013/14	2014/15
1	Number of patents filed in the year (with breakdown [Annex 4] by country and type)	166	125
2	Number of patents granted in the year (with breakdown [Annex 5] by country and type)	136	58
3	Number of licences granted (with breakdown [Annex 6] by type)	61	57
4	Income (on cash basis) generated from intellectual property rights	\$42,514,196 (a)	\$84,795,802 (a)
5	Expenditure involved in generating income from intellectual property rights	\$4,238,471 (a)	\$5,571,225 (a)
6	Number of economically active spin-off companies (with breakdown [Annex 10] by type)	17	16
7	Net income generated (or net loss arising) from spin-off companies	\$17,599,563 (a)(b)	\$15,368,738 (a)(b)
8	Number of collaborative research projects, and income thereby generated	115 items \$52,479,667 (a)	154 items \$64,872,740 (a)
9	Number of contract research projects (other than those included in “collaborative research projects” above), and income thereby generated	58 items \$16,975,840 (a)	70 items \$19,891,883 (a)
10	Number of consultancies, and income thereby generated	409 items \$140,034,639 (a)	331 items \$132,885,461 (a)
	Subtotal Income Item (4)+(7)+(8)+(9)+(10)	\$269,603,905	\$317,814,624
11	Number of equipment and facilities service agreements, and income thereby generated	1 (No. of facilities) \$44,115	1 (No. of facilities) \$38,650
12	Income received from Continuing Professional Development (CPD) courses	\$37,781,390 (c)	\$39,500,772 (c)
	Total Income Item (4)+(7)+(8)+(9)+(10)+(11)+(12)	\$307,429,410	\$357,354,046
13	Number of student contact hours in short courses or e-learning programmes specially tailored to meet business or CPD needs	324,101 hours (346 courses with 17,702 students)	264,329 hours (193 courses with 16,627 students)

14	Number of public lectures/symposiums/exhibitions and speeches to a community audience	701	575
15	Number of performances and exhibitions of creative works by staff or students	69	104
16	Number of staff engaged as members of external advisory bodies including professional, industry, government, statutory or non-statutory bodies	909	878

Footnotes

- (a) Subject to year-end adjustments.
- (b) Only wholly-owned subsidiaries or controlling companies are included.
- (c) Including income from non-award bearing programmes offered by the School of Continuing and Professional Studies and the Asia-Pacific Institute of Business.

Updates on Table 9.2 of Initial Statement

(1 July 2014 – 30 June 2015)

Other Performance Indicators		Last year	Current year
		2013/14	2014/15
1	Knowledge Transfer Project Fund (KPF): <i>Projects supported by the UGC-KT Fund</i>	2013/14: 19 Total: 106 Beneficiaries: 486,038 for 2013/14	2014/15: 23 Total: 129 Beneficiaries: 301,774 for 2014/15
2	Technology and Business Development Fund (TBF)	8	5
3	Number of other KT projects and activities not funded by the UGC-KT Fund	312 Beneficiaries: 65,749	223 Beneficiaries: 108,607
4	Number of websites on KT activities at Faculties / Departments / Centres	15	20
5	Number of publicity or media features related to KT, including print, on-line and electronic media	1,733	1,560

Knowledge Transfer Project Fund (KPF) Project Summary List

Projects completed in this reporting year (details in Annex 8.2):

Culture and Heritage

- 1) KPF13ICF19 Wetland Tourism in Four Seasons: Perspectives from Landscape, Foodways, and Community Lifestyles
- 2) KPF13INF01 Multiculturalism in Action: Promoting Indian Culture as Local Heritage
- 3) KPF13INF03 Sports Science Support: Coach and Player Education within the Hong Kong Football Association (HKFA) to Develop Structures for Enhancement of Preparation and Performance of the National Football Team

Environment and Communal Harmony

- 4) KPF13ICF10 Interactive Concert for Autism: Integrative Application of Music and Clinical Psychology for Teaching Autism and Cultivating a Harmonic Society
- 5) KPF13ICF16 Re-envisioning Community Space in Sai Ying Pun
- 6) KPF14ICF08 Representations of Active Ageing and Ageing-in-place: Elderly Participation and Cultural Intervention
- 7) KPF14ICF13 Magic Carpet - Re-envisioning Community Space in Tin Shui Wai

Healthy Living

- 8) KPF13ICF17 Promoting the Health of Drivers through Understanding Disorders of Transient Impairment of Consciousness
- 9) KPF13INF07 Training of Trainers (ToTs) of Evidence-based Health and Medical Humanitarian Response to Field Practitioners in China
- 10) KPF13INF20 Promotion of Early Language and Communication Intervention for Elders with Dementia
- 11) KPF14ICF02 Elderly Care and the Phenomenology of Pain
- 12) KPF14ICF15 A Healthy Eating and Active Living Promotion Program for Ethnic Minority Children in Hong Kong
- 13) KPF14INF07 Internet Chinese Herbal Medicine Safety Information Platform for General Public and Professional Personnel. Phase I: Pregnancy Safety

Sustainability and Productivity

- 14) KPF13INF02 Self-Learning Kit: Overcoming the Initial Hurdles of Being Employed
- 15) KPF13INF13 To Develop Concept Acquisition Packages for High School Students to Learn Molecular Biology

Projects in progress in this reporting year (details in Annex 8.3):

Culture and Heritage

- 1) KPF14INF01 The Eight Classic Cantonese Operatic Song Cycles
- 2) KPF14INF02 Multiculturalism in Action: Promoting Nepalese culture as local heritage

Environment and Communal Harmony

- 3) KPF14ICF06 Nourishing a Life of Dignity: Healthy Individuals, Resilient Families and Sustainable Communities

Healthy Living

- 4) KPF142ICF01 Promoting Healthy Brain Function in Elderly through Cognitive Training Programs and Social Activities
- 5) KPF142ICF13 Preventive Programs on Internet Addiction among Secondary School Students
- 6) KPF14ICF04 Active Hong Kong, Healthy Citizens - A Family-Based Physical Activity, Fundamental Movement Skill, and Nutrition Program
- 7) KPF14ICF05 Enhance Public Awareness of Sarcopenia (Aging-induced Muscle Atrophy) - Healthy Aging in the Community
- 8) KPF14ICF10 Grief Detection and Management for Caregivers of People with Dementia
- 9) KPF14ICF14 Development and Dissemination of an Online Exercise and Health Promotion Program for Hong Kong Middle-aged Chinese: The Virtual Trainer System 3rd Version
- 10) KPF14INF08 Self-learning Platform of Plant Identification with Applied Knowledge in Healthy Living

Sustainability and Productivity

- 11) KPF14ICF03 The Production of an Assessment Tool to Evaluate the Spoken Word Recognition for Hearing-impaired Population
- 12) KPF14ICF09 Enhancing Hong Kong Sign Language Education with Intelligent Recognition Systems
- 13) KPF14INF03 e-Learning Platform for HKDSE Economics
- 14) KPF14INF04 Enhancing Young Children's Executive Function Skills: Transferring Knowledge to Practice Using an Online Professional Learning Community

Projects newly funded in this reporting year (details in [Annex 8.4](#)):

Culture and Heritage

- 1) KPF15INF02 Multiculturalism in Action: Promoting Pakistani Culture as Local Heritage
- 2) KPF15INF04 Music and the Shaping of Cultural Space: Chaozhou Music in Hong Kong
- 3) KPF15ICF14 Active Ageing: Building an Electronic Archive on the Elderly in Preserving Hong Kong Cultural Heritage

Environment and Communal Harmony

- 4) KPF15ICF02 Promoting Nonverbal Communication Skills among Children with Autism Spectrum Disorders through Online Social Robotics

Healthy Living


- 5) KPF15ICF01 Multidisciplinary Team for Active and Healthy Ageing in Elders of Rural Areas of Hong Kong
- 6) KPF15ICF04 Prevention of Vit-D Insufficiency and Promotion of Good bone Health for the Young Population in Hong Kong
- 7) KPF15ICF05 Prevention of Stroke and Enhancement of Life with Aphasia
- 8) KPF15ICF07 An Evidence-Based Neuropsychological Intervention for Mildly Cognitive/Emotionally Deteriorating Elderly in Hong Kong
- 9) KPF15ICF08 An Integrated Community-based Screening and Secondary Prevention Program to Promote Physical Activity among Physically Inactive Individuals Possessing Risk Factors of Diabetes Mellitus (DM) or Being Pre-diabetes (IGT/IFG)

- 10) KPF15ICF16 Promotion of Healthy Lifestyle among Middle-aged Chinese Population in Hong Kong: An Integrated Approach using Body Fat Measurement, Brief Counseling, and Mobile Apps
- 11) KPF15ICF17 Living with Heart: Online and Community-based Mindfulness and Compassion Programs for the Promotion of Public Mental Health in Hong Kong
- 12) KPF15INF06 "Moving Against Old Age! Moving Against OsteoArthritis!" 「動起來! 無懼膝痛!」
- 13) KPF15INF07 Enhance Public Awareness of Noise-induced Hearing Loss (NIHL) for Youth: Healthy Ear, Healthy Hearing in the Community: Transfer professional Knowledge to Practice
- 14) KPF15INF08 Establishment of Geriatric Orthopaedics Co-Management for Sarcopenia - A Joint Effort to Postpone Frailty and to Prevent Fragility Fractures
- 15) KPF15INF09 Development of Multimedia Interventions to Promote Cervical Cancer Prevention among South Asian Women in Hong Kong
- 16) KPF15INF13 Effective Communications among Hearing Impaired Elderly and their Families



Sustainability and Productivity

- 17) KPF15ICF06 Showcasing a CUHK Developed Real-time Tracking System for Environmental Friendly Logistic Management
- 18) KPF15ICF12 A Model of Knowledge Translation: the Active Healthy Kids Report Card on Physical Activity for Hong Kong Youth
- 19) KPF15ICF15 Building Vibrant Entrepreneurial Financing System for CUHK
- 20) KPF15INF01 The Hong Kong Sign Language Basic Sex Education Website
- 21) KPF15INF03 Capturing Syllables: intelligent mobile App on Pinyin and Jyutping Dictation Trainings for Students and the Hong Kong Community
- 22) KPF15INF15 Rental Index and Living Environment of Sub-divided Housing Units
- 23) KPF15INF16 Experience-based Service Design with the Welfare Services Users


Projects completed in this reporting year

Culture and Heritage					
#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
1	<p>Wetland Tourism in Four Seasons: Perspectives from Landscape, Foodways, and Community Lifestyles (KPF13ICF19)</p> <p>Faculty of Arts (Department of Anthropology)</p> <p>To collaborate with:</p> <p>Faculty of Science (Department of Food and Nutritional Sciences)</p> <p>Faculty of Business Administration (Department of Hotel and Tourism Management)</p> 	<ul style="list-style-type: none"> ❖ Yale University students (Mar 19, 2013) (25) ❖ New Asia staff and their families (Apr 27, 2013) (28) ❖ Middle School Teachers (May 4, 2013) (20) ❖ Royal Asiatic Society Hong Kong Branch (Jun 1, 2013) (28) ❖ RTHK and different groups of NGOs (Sept 15, 2013) (20) ❖ Middle School Teachers (Oct 4, 2013) (20) ❖ New York University students (Jan 10, 2014) (15) ❖ Middle School Teachers (Feb 7, 2014) (25) <p>Total: 181</p>	<ul style="list-style-type: none"> ❖ WWF Hong Kong ❖ RTHK eTV Online ❖ Hong Kong Bird Watching Society 	<ul style="list-style-type: none"> ❖ An interactive website for promoting the tour for some professional groups and general public was established ❖ The book entitled 《香港濕地四季》 was published and distributed in Aug 2014 ❖ An article was published in <i>SPC Traditional Marine Resource Management and Knowledge Information Bulletin</i> in 2015 	<ul style="list-style-type: none"> ❖ The project leader was invited to be a member of the following committees: <ul style="list-style-type: none"> - Management Committee, Fishpond Conservation Project in Ramsar Wetland Area, Hong Kong Bird Watching Society - Management Committee, Hong Kong Fishpond – Ecological Fishpond Management Agreement Project, Hong Kong Bird Watching Society - Honorary Consultant, History and Tradition – The Experience and Inheritance of Local Culture Programme, YMCA


Culture and Heritage

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
2	<p>Multiculturalism in Action: Promoting Indian Culture as Local Heritage (KPF13INF01) Faculty of Arts (Department of Anthropology)</p> 	<ul style="list-style-type: none"> ❖ Local tertiary students (UG and PG) (10) ❖ F.1 students and teachers of Islamic Kasim Tuet Memorial College (IKTMC) (70) ❖ F.5 students and teachers of Yuen Long Merchants Association Secondary School (198) ❖ F.4 students and teachers of New Asia Middle School (125) ❖ Students and teachers of Hong Kong Taoist Association Tang Hin Memorial Secondary School (121) <p>Total: 524</p>	<ul style="list-style-type: none"> ❖ Mr. and Mrs Sivaji Rao ❖ Mr. Vivek Mahbubani ❖ Ms. Minaz G. Master ❖ Ms. Lillian Tsang ❖ Mr. Steven Matthews ❖ Ms. Meera Rohira ❖ Mr. Vinod Sharma ❖ Ms. Jackie Law ❖ Hong Kong Bengali Association ❖ ISKCON Hong Kong (International Society for Krishna Consciousness) ❖ Khalsa Diwan Sikh Temple ❖ Zoroastrain Temple ❖ Jain Temple 	<ul style="list-style-type: none"> ❖ An information kit (1,000 sets of booklet and DVD) was produced and >500 kits were distributed to secondary schools in Hong Kong and an online version is available at the project website ❖ 11 talks and visits/field trips for training of cultural trainers were organized ❖ 4 cultural trainers' presentation were held, and attended by 524 students and teachers ❖ 97% of the participants from 3 secondary schools felt that the presentations had helped them know more about Indian culture ❖ A press conference was held to release the research result and information kit; the event was covered by 4 newspapers 	<ul style="list-style-type: none"> ❖ The workshop and its participants have continued to work on promoting multiculturalism after the end of the project ❖ The project teams have sent the information kit to various parties on request, including the media, professors, secondary school teachers, and individuals of Indian, Nepali and Pakistani communities in Hong Kong
3	<p>Sports Science Support: Coach and Player Education within the Hong Kong Football Association (HKFA) to Develop Structures for Enhancement of Preparation and Performance of the National Football Team (KPF13INF03) Faculty of Education (Department of Sports Science and Physical Education)</p> 	<ul style="list-style-type: none"> ❖ Coaches responsible for Hong Kong National football squads (20) ❖ Coaches responsible for the training of teams in the HKFA First Division (40) ❖ Football players selected to represent Hong Kong at any grade, from U-13 to senior international level (150) <p>Target: 210</p>	<ul style="list-style-type: none"> ❖ Hong Kong Football Association (20) 	<ul style="list-style-type: none"> ❖ Performance testing sessions were implemented with 60 international Hong Kong soccer players involved ❖ Education and feedback sessions were held with coaches and administrators of the teams involved 	<ul style="list-style-type: none"> ❖ Further meetings with the coaching and technical staff will be held in order to plan for further projects


Environment and Communal Harmony

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
4	<p>Interactive Concert for Autism: Integrative Application of Music and Clinical Psychology for Teaching Autism and Cultivating a Harmonic Society (KPF13ICF10)</p> <p>Faculty of Social Science (Department of Psychology)</p> <p>To collaborate with: Faculty of Arts (Department of Music)</p> 	<ul style="list-style-type: none"> ❖ Individuals with autism spectrum disorders (ASD) or other special needs and their families (1,416) ❖ Ordinary people (including audience, musicians, helpers) attending the concerts (539) ❖ Website visitors (41,159) ❖ Viewers of concert video in YouTube (809) ❖ Potential readers of the book (2,000) <p>Total: 45,923</p>	<ul style="list-style-type: none"> ❖ Hong Kong Caritas Parents Resources Centre ❖ HKSKH Tung Chung Nursery School ❖ Yang Memorial Methodist Social Service ❖ Hong Kong Elite Chamber Orchestra 	<ul style="list-style-type: none"> ❖ A total of 4 concerts were held with an attendance of 1,955 people ❖ 81.5% of the participants said that they liked the concerts ❖ The website for the “Interactive Concert for Autism” providing related information and photos/ videos has accumulated 41,159 hits since it was established in February 2013 ❖ The concerts received coverage in 5 local newspapers and were featured as the cover story in a local magazine ❖ 2,000 copies of the book entitled “Interactive Concert for Autism: Integrative Application of Music and Clinical Psychology” were printed and distributed 	<ul style="list-style-type: none"> ❖ The parents of children with special needs generally appreciated the organization of the concerts and the effort of the voluntary organizers, musicians and helpers ❖ The parents said that their children had enjoyed the concerts ❖ Some parents said that their children appeared more responsive and initiative in interacting with others and expressing themselves during the concerts ❖ Some musicians have changed their attitude and perception towards people with autism to a more positive direction after the concerts ❖ Recognition was received from some educational or social service organizations which agreed to be collaborative partners of the project


Environment and Communal Harmony

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
5	<p>Re-envisioning Community Space in Sai Ying Pun (KPF13ICF16) Faculty of Social Science (School of Architecture) To collaborate with: Faculty of Social Science (School of Journalism and Communication)</p> 	<ul style="list-style-type: none"> ❖ Participating secondary school students (26 ambassadors from King's College, Sai Ying Pun) (26) ❖ Participating secondary school teachers (2 teachers from King's College, Sai Ying Pun) (2) ❖ Secondary school teachers, students and parents (500) ❖ Community members in Sai Ying Pun (interviewed by the student-ambassadors) (50) ❖ Community members in Sai Ying Pun (screening audience; exhibition viewers; passer-by) <ul style="list-style-type: none"> - Moonlight Cinema (600) - Year-end Reunion (150) - UABBHK Exhibition (130,409) ❖ Students from the School of Architecture and the School of Journalism and Communication, CUHK (assisted in Moonlight Cinema, Year-end Reunion, UABBHK exhibition & other deliverables) (60) ❖ Visitors of project website and various social media platforms (3,000) ❖ Viewers of interview videos on YouTube (8,974) <p>Total: 143,771</p>	<ul style="list-style-type: none"> ❖ The Conservancy Association Centre for Heritage (CACHe) (3) ❖ King's College (28) ❖ Hong Kong-Shenzhen Bi-City Biennale of Architecture and Urbanism (UABBHK) (10) ❖ Community members in Sai Ying Pun in collaboration (Kwok at Year-end Reunion) (2) 	<ul style="list-style-type: none"> ❖ 6 workshops for 26 students in collaboration with 2 teachers were organized ❖ 46 video interviews were produced by 13 groups of student-ambassadors; 36 video interviews were selected for further dissemination via YouTube and the project website ❖ A Moonlight Cinema showing 26 videos of the community members was organized for 600 participants ❖ Drawing exercise to re-envision individuals' neighbourhood was conducted during the interviews, the Moonlight Cinema and other events ❖ A reunion gathering was held shortly before CNY with 150 people participated ❖ A website was built to disseminate and archive the project and related findings ❖ The Moonlight Cinema featured in 5 newspapers and the project appeared in a news programme on TV ❖ Participating students were invited to speak at a radio programme ❖ A bilingual publication on transformation of community spaces tested by Magic Carpet project in HK and Taipei is scheduled to be published in early 2016 	<ul style="list-style-type: none"> ❖ The workshops motivated the students to explore their city and community ❖ Through interviews, people living and working in Sai Ying Pun were offered a chance reflecting upon their experiences in the area ❖ The videos shown at the Moonlight Cinema stimulated discussion in the audience about their experiences and memories in the district ❖ A resident launched a memory collection campaign after the Moonlight Cinema, inviting people to submit old photos and objects for archival purposes ❖ Students of BSSc in Urban Studies and MSc in Urban Design were inspired by how theories could be put into practice ❖ Magic Carpet was selected as one of projects showcased at the HK-SZ Bi-City Biennales's main exhibition ❖ Taiwan's Ministry of Culture funded the team to organize a series of workshops on urban regeneration and community empowerment ❖ The team was invited to present the project at the Biennale in Rome and in France and the International Conference in Italy


Environment and Communal Harmony

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
6	<p>Representations of Active Ageing and Ageing-in-Place: Elderly Participation and Cultural Intervention (KPF14ICF08)</p> <p>Faculty of Arts (Department of Cultural and Religious Studies)</p> <p>To collaborate with:</p> <p>Faculty of Social Science (Department of Psychology)</p> <p>Faculty of Social Science (Department of Social Work)</p> 	<ul style="list-style-type: none"> ❖ Elderly (563) ❖ Staff of NGOs (47) ❖ General Public (413) <p>Total: 1,023</p>	<ul style="list-style-type: none"> ❖ Department of Elderly Service, YWCA of Hong Kong (165) ❖ Yan Oi Tong Woo Chung Elderly District Community Centre (77) ❖ Evangelical Lutheran Church Social Service (207) 	<ul style="list-style-type: none"> ❖ 3 talks on Cultural Ageing were held, attended by 179 elderly people ❖ 32 training workshops were held (YWCA:3; Yan Oi Tong: 1), attended by 384 elderly people ❖ 1 talk on “Elderspeak” was held with 17 staff members of YWCA attended ❖ 2 talks on “Uses of Images in Elderly Services” were held, attended by 30 staff members of Yan Oi Tong and Evangelical Lutheran Church Social Service ❖ A 4-day exhibition on “Active-Ageing” and “Ageing-in-place” was held, attracting 413 visitors 	<ul style="list-style-type: none"> ❖ The NGO staff had positive feedback and they gave much encouragement to their members to take part in the activities of the project ❖ Some participants stated that they had a fresh understanding with the cultural perspective to ageing ❖ Some participants of the workshops found it an enjoyable experience to take photos with group members in the community ❖ The NGO staff enjoyed the activities of role playing which brought reflections on their daily interactions with the elderly ❖ The NGO staff planned to organize photo-taking workshops for elderly for further development ❖ Visitors stated that the exhibition let them understand the views on shopping malls and social spaces of elderly ❖ The elderly participants shared that the old images revived their memories and reconnect them back to the history of Hong Kong



Environment and Communal Harmony

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
7	<p>Magic Carpet - Re-envisioning Community Space in Tin Shui Wai (KPF14ICF13) Faculty of Social Science (School of Architecture) To collaborate with: Faculty of Social Science (School of Journalism and Communication)</p> <p>Previous Research: How to Create Sustainable Communities in Hong Kong? Inherent Problems of Recent Urban Layouts for Microeconomic Opportunities and Quality of Living</p> 	<ul style="list-style-type: none"> ❖ Secondary school students (22 community ambassadors from Pui Shing Catholic Secondary School) (22) ❖ Secondary school teachers (2 teachers from Pui Shing Catholic Secondary School) (2) ❖ Secondary school teachers, students and parents (500) ❖ Interviewees in Tin Shui Wai by students (32) ❖ Community members in Tin Shui Wai (screening audience, exhibition viewers, passers-by) <ul style="list-style-type: none"> - Moonlight cinema (3,221) - Pop-up City (opening and exhibition) (1,880) ❖ Students from the School of Architecture and the School of Journalism and Communication, CUHK (assisted in Moonlight Cinema, Pop-up City and other events) (60) ❖ Visitors to project website and various social media platforms (3,000) ❖ Viewers of interview-videos on YouTube (8,974) <p>Total: 17,691</p>	<ul style="list-style-type: none"> ❖ Tin Sau Bazaar (2) ❖ Shop owners and assistants at Tin Sau Bazaar (250) ❖ Pui Shing Catholic Secondary School (24) ❖ City Space Architecture (Bologna, Italy) (2) 	<ul style="list-style-type: none"> ❖ 5 workshops for the 22 students and 2 teachers were conducted ❖ 28 interview-videos were produced by 11 groups of student-ambassadors ❖ A Moonlight Cinema showing 27 videos of the community members was organized with 3,221 people participated ❖ The page for Magic Carpet Tin Shui Wai was launched before the Moonlight Cinema held in Sept 2014 ❖ “Pop-up City” of City Space Architecture based in Bologna was brought to Tin Sau Bazaar as a reunion event with 1,880 people visited ❖ The project was covered by TVB Pearl News, Radio 4 of DBC, 3 local newspapers and an online magazine ❖ A bilingual publication on transformation of community spaces tested by Magic Carpet project in HK and Taipei is scheduled to be published in early 2016 	<ul style="list-style-type: none"> ❖ The students learned skill as to how to conduct interviews and produce videos ❖ The students have become more confident and willing to talk to people outside school ❖ Through interviews, people in Tin Shui Wai were offered an opportunity to tell their own stories and express their view on urban planning and development ❖ The general public gained an immediate experience of how a creative action could transform city spaces and its impact on fostering social interactions ❖ Staff of Tin Sau Bazaar appreciated the project team’s effort in bringing Tin Shui Wai to the general public in HK and beyond for further discussion ❖ City Space Architecture invited the project leader to give a keynote lecture at their conference and show the videos in the arthouse cinema “Europa” in Bologna


Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
8	<p>Promoting the Health of Drivers through Understanding Disorders of Transient Impairment of Consciousness (KPF13ICF17)</p> <p>Faculty of Medicine (Department of Medicine and Therapeutics)</p> <p>To collaborate with:</p> <p>Faculty of Medicine (Centre for Occupational and Environmental Health Studies, The Jockey Club School of Public Health and Primary Care)</p> <p>Department of Occupational Health, Prince of Wales Hospital</p> 	<ul style="list-style-type: none"> ❖ Non-commercial drivers (5,000) ❖ Commercial drivers (500) ❖ Medical doctors and allied health professionals (300) <p>Total: 5,800</p>	<ul style="list-style-type: none"> ❖ Community Rehabilitation Network – The Hong Kong Society for Rehabilitation (300) ❖ Other Departments in the Chinese University of Hong Kong (300) ❖ Other Departments in The Hospital Authority (300) ❖ Orient Europharm Co. Ltd (200) 	<ul style="list-style-type: none"> ❖ The webcast to be used for promoting and disseminating the health messages in this study was completed ❖ A seminar was conducted 	<ul style="list-style-type: none"> ❖ A web-based questionnaire will be conducted


Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
9	<p>Training of Trainers (ToTs) of Evidence-based Health and Medical Humanitarian Response to Field Practitioners in China (KPF13INF07)</p> <p>Faculty of Medicine (The Jockey Club School of Public Health and Primary Care)</p> 	<ul style="list-style-type: none"> ❖ Frontline workers of NGO and rescuers working on community health in Guangxi (31) ❖ Frontline workers of NGO working on community health in Yunnan (33) ❖ Student volunteers working in Guangxi communities (16) ❖ Local volunteers working in Wenshan, Yunnan (19) ❖ Local volunteers working in Kunming, Yunna (34) <p>Total: 133</p>	<ul style="list-style-type: none"> ❖ Partners in Hope ❖ Nanning True Love Holistic Care Social Work Service Centre ❖ International Health Resources (IHR) ❖ Blue Sky Rescue Team ❖ Outdoor Rescue Team 	<ul style="list-style-type: none"> ❖ 133 NGO workers and volunteers from Yunnan and Guangxi were trained in the 5 workshops on disaster prevention and reduction in Kunming ❖ The workshop participants were highly satisfied with the program and lecturers, giving an average score over 4.5 out of 5 ❖ The participants in Guangxi showed a 37.9% of improvement in knowledge after the workshop 	<ul style="list-style-type: none"> ❖ The participants felt that the training was a bit too short and the materials were too informative to digest with a short period of time
10	<p>Promotion of Early Language and Communication Intervention for Elders with Dementia (KPF13INF20)</p> <p>Faculty of Medicine (Institute of Human Communicative Research)</p> 	<ul style="list-style-type: none"> ❖ General public (135) ❖ Caregivers of people with dementia (83) ❖ Elderly people with dementia and their caregivers (108) ❖ Staff in the nursing homes for the elderly (15,000) <p>Total: 15,326</p>	<ul style="list-style-type: none"> ❖ Ho Cheung Home for the Elderly (Sponsored by Sik Sik Yuen) (150) ❖ Jockey Club Centre for Positive Ageing (100) 	<ul style="list-style-type: none"> ❖ 3 public talks were held with 135 participants attended ❖ 73.1% of the participants had a gain of $\geq 20\%$ in the knowledge-based questionnaires after the public talks ❖ 3 workshops were held, attended by 83 caregivers ❖ The average examination scores of the caregivers participated in the workshops was 80%, which was considered to be high ❖ Among the 27 elderly people with dementia who joined the group therapy, 84.6% of them had positive improvement 	<ul style="list-style-type: none"> ❖ Both family members and elderly people with dementia rated high for the intensive therapy ❖ Nearly all of the elderly people were attentive and motivated to perform the tasks during the group therapy sessions ❖ The social workers said that there was an improvement in the communication abilities of the group members after attending the course


Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
11	<p>Elderly Care and the Phenomenology of Pain (KPF14ICF02)</p> <p>Faculty of Arts (Department of Philosophy) To collaborate with: Faculty of Arts (Department of Cultural and Religious Studies) Faculty of Arts (Department of Anthropology)</p> <p>Previous research: On Naturalism in Pain Research: A Phenomenological Critique”</p> 	<ul style="list-style-type: none"> ❖ Elderly in the palliative and elderly centers (68) ❖ Healthcare Professionals and managers (8) ❖ Volunteers from Public (6) ❖ Experts from a number of disciplines (10) ❖ Medical students (500) ❖ General public (1,224) <p>Total: 1,816</p>	<ul style="list-style-type: none"> ❖ Helping Hand Father Sean Burke Care Home for the Elderly (5) ❖ HK Reader (An Academic Bookstore) (2) ❖ The Commercial Press (Hong Kong) Ltd. (3) 	<ul style="list-style-type: none"> ❖ 3 visits to the palliative and elderly center were held ❖ A workshop was conducted in the palliative and elderly center ❖ 4 one-on-one in depth conversations with elderly were conducted ❖ 2 sharing groups were held with the management of the palliative center ❖ 6 expert interviews were conducted ❖ 4 public talks were held, attended by 224 people ❖ 900 copies of the magazine containing in-depth reports, interviews and discussions will be printed and distributed 	<ul style="list-style-type: none"> ❖ The magazine will be used as teaching materials by a Professor of Medicine and Therapeutics in the compulsory Medical Ethics classes ❖ The Chief Manager of Infection, Emergency and Contingency Department in Quality and Safety Division of Hospital Authority is planning to share the magazine with colleagues



Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
12	<p>A Healthy Eating and Active Living Promotion Program for Ethnic Minority Children in Hong Kong (KPF14ICF15)</p> <p>Faculty of Science (Food Research Centre, School of Life Sciences)</p> <p>To collaborate with: Faculty of Education (Department of Sports Science and Physical Education) Faculty of Science (School of Life Sciences)</p> <p>Previous Research: The Hong Kong Food Composition Database</p> 	<ul style="list-style-type: none"> ❖ Ethnic minority students (2,081) ❖ Family members of the ethnic minority students (4,162) ❖ Local students (1,388) ❖ Family members of local students (2,776) ❖ Teachers (260) ❖ General public (16,350) <p>Total: 27,017</p>	<ul style="list-style-type: none"> ❖ Delia Memorial Schools (Broadway, Glee Path, Matteo Ricci, Hip Wo and Yuet Wah) (5) ❖ Community Nutrition Service, Preventive Medicine and Clinical Services Division, United Christian Nethersole Community Health Service ❖ Digital Broadcasting Corp. (DBC) Channel 4 ❖ Hong Kong Dietitians Association ❖ Hong Kong Yakult Co. Ltd ❖ Hong Wushu and Art Centre ❖ Hung Fook Tong Holdings ❖ Leap Fitness Center ❖ Lee Kam Kee ❖ Physical Fitness Association of Hong Kong 	<ul style="list-style-type: none"> ❖ 5 schools with 3,400 students participated in the program ❖ The new curriculum “Learning Healthy Eating through Food Preparation” was developed ❖ The train-the-trainers workshops for teachers was held with 250 teachers joined the theory session and 60 teachers joined the practical session ❖ Pre-runs of the course were conducted in the 5 schools, attended by 150 students ❖ An online Healthy Lifestyle Questionnaire was designed ❖ Healthy Lifestyle Student Ambassador Program was conducted with >1,500 students participating in the activities ❖ Student ambassadors were trained to conduct Student Lifestyle Survey Research and 22 studies were conducted by the Student ambassadors ❖ Multicultural and Healthy Living Carnival was held, attracting >1,350 visitors ❖ 3,000 copies of the healthy booklet were printed ❖ Student representatives of the program were interviewed by DBC 	<ul style="list-style-type: none"> ❖ All 5 schools employed “Healthy Lifestyle” as the major theme in the theme-based learning in the academic year 2014-15 ❖ Healthy dishes taught in new curriculum were used in the Parents’ day in order to promote healthy eating to parents ❖ Participating schools have decided to form Hong Kong’s first South Asian and Hong Kong Joint Wushu team in school to echo the needs to promote healthy lifestyles and cultural exchange ❖ Glee Path will close down the unhealthy snack bar in the coming academic year

Healthy Living

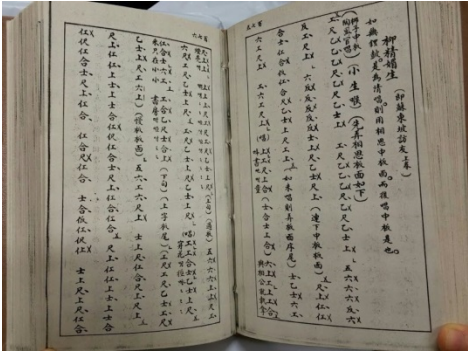
#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
13	<p>Internet Chinese Herbal Medicine Safety Information Platform for General Public and Professional Personnel. Phase I: Pregnancy Safety (KPF14INF07)</p> <p>Faculty of Medicine (Department of Obstetrics and Gynaecology)</p> <p>Previous Research:</p> <ol style="list-style-type: none"> Embryotoxicity studies of Rhizoma Atractylodis Macrocephalae extracts for skeletal malformation in mice Evaluations of in vitro embryotoxicity tests for Chinese herbal medicines Safety studies on commonly used Chinese herbal medicines during pregnancy 	To be determined by appropriate surveys, such as online or on site questionnaires	To be determined by appropriate surveys, such as online or on site questionnaires	<ul style="list-style-type: none"> ❖ A platform providing information regarding the safety concerns of Chinese herbal medicines during pregnancy was established ❖ No. of visits: 550 	To be determined by appropriate surveys, such as online or on site questionnaires

Sustainability and Productivity


#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
14	<p>Self-Learning Kit: Overcoming the Initial Hurdles of Being Employed (KPF13INF02)</p> <p>Faculty of Business Administration (Department of Management)</p> 	<ul style="list-style-type: none"> ❖ Members of Y.E.S. (Youth Employment Start) of Labor Department (10,000) ❖ NGOs that are providing career counseling service (10,000) <p>Total: 20,000</p>	<p>The project is solely conducted by the project team</p>	<ul style="list-style-type: none"> ❖ 500 copies of DVD with video cases that can be used in self-learning mode were produced ❖ A seminar to a group of 40 young people with some difficulties in employability was conducted 	<ul style="list-style-type: none"> ❖ The Youth Division of the Labor Department, the NGOs and the Labor Department and the Education and Youth Bureau of the Macau Government would use the DVD ❖ The project team has built closer relationship with the government departments and NGOs which are responsible to provide career counselling and guidance to young people with relatively poor education background
15	<p>To Develop Concept Acquisition Packages for High School Students to Learn Molecular Biology (KPF13INF13)</p> <p>Faculty of Science (School of Life Sciences)</p> 	<ul style="list-style-type: none"> ❖ Secondary school students for trial run from 59 schools (97) ❖ Students from School of Life Sciences, CUHK (5) <p>Total: 102</p>	<ul style="list-style-type: none"> ❖ Center for Promoting Science Education, CUHK ❖ CuGen Company 	<ul style="list-style-type: none"> ❖ 3 concept acquisition packages to learn molecular biology and DNA technology with teaching and learning materials, experimental protocols, reagents and work sheets were developed ❖ 5 trial workshops were executed with 97 secondary school students from different schools involved ❖ Most of the potential users were satisfied with the trial run workshops 	<ul style="list-style-type: none"> ❖ Helpers in this project have learned how to transform the biotechnology knowledge into a way that high schools students can understand

Projects in progress in this reporting year


Culture and Heritage

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
1	<p>The Eight Classic Cantonese Operatic Song Cycles (KPF14INF01)</p> <p>Faculty of Arts (Department of Music)</p> 	To be developed	❖ Professional musicians and singers (To be developed)	<ul style="list-style-type: none"> ❖ Interviews with experts and singers will be conducted for stylistic analysis of <i>Badaqu</i> (八大曲) ❖ A book with a research-based historical introduction on <i>Badaqu</i> will be published ❖ No. of attendees of the concert (Target: 350) ❖ Printing of books and CDs (Target: 500 books+500 CDs) ❖ Sales of publications (book and CDs) (Target: 800) 	❖ Feedback from questionnaires and information from sales reports

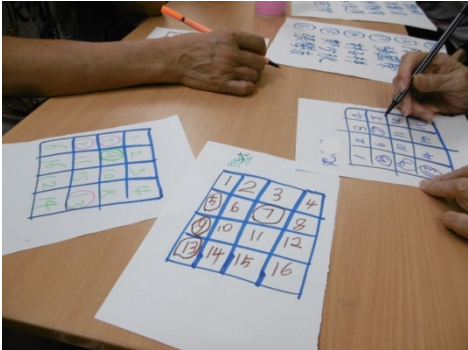
Culture and Heritage

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
2	Multiculturalism in Action: Promoting Nepalese Culture as Local Heritage (KPF14INF02) Faculty of Arts (Department of Anthropology) 	<ul style="list-style-type: none"> ❖ Secondary school students and teachers (339) ❖ CUHK students and staff (60) ❖ Nepali students and members of the Nepali community (20) ❖ Secondary school teachers and principal, NGO and EOC representatives (5) ❖ General Public (200) Total: 624	<ul style="list-style-type: none"> ❖ Prof Lisa Leung Yuk-ming, LU ❖ Prof Chee Wai-chi, HKU ❖ Dr Rizwan Ullah, Delia School ❖ Mrs Raima Gurung Shah ❖ Dr Wyman Tang Wai-man, University of Macau ❖ Ms Ada Wong Ying-kei ❖ Dr Sharmila Gurung, United Christian Hospital ❖ Mrs Raima Gurung Shah Family (10) ❖ YMCA Cheung Sha Wan Centre (6) ❖ The Good Lab (2) ❖ CMA Choi Cheung Kok Secondary School (15) ❖ New Asia College, CUHK ❖ Department of Anthropology, CUHK ❖ Delia Memorial School (Hip Wo) ❖ New Asia Middle School ❖ Yuen Long Merchants Association Secondary School ❖ Munsang College ❖ H.K.S.K.H Lady MacLehose Centre 	<ul style="list-style-type: none"> ❖ Cultural trainer training program including seminars, discussion panels, and field visits was organized ❖ A Buddies Program (peer-to-peer) to promote intercultural interaction and culturally responsive experience was conducted ❖ Multimedia presentation at 3 secondary schools and a university were carried out by cultural trainers and buddies ❖ 94% of the participants claimed the training program helped them know more about Nepali culture and 65% of the participants have developed interest in Nepali culture ❖ A roving exhibition on the Gurkhas in Hong Kong and the kabaddi sport was made and presented in school presentations 	<ul style="list-style-type: none"> ❖ All participants of the cultural trainers training program appreciated learning about and having personal experience in each other's (Nepali and Chinese) culture ❖ The audience loved the interactive mode of learning other culture in Hong Kong and they enjoyed interacting with the Nepali youth ❖ Most of the local students and teachers enjoyed the Nepali sport kabaddie


Environment and Communal Harmony

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
3	<p>Nourishing a Life of Dignity: Healthy Individuals, Resilient Families and Sustainable Communities (KPF14ICF06)</p> <p>Faculty of Social Science (Department of Geography and Resource Management)</p> <p>To collaborate with:</p> <p>Faculty of Social Science (Department of Psychology)</p> <p>Faculty of Social Science (Department of Social Work)</p> 	<ul style="list-style-type: none"> ❖ Urban planners (including architects) (21) ❖ Social Workers (40) ❖ Psychologists (5) ❖ District Councillors and their assistants (6) ❖ Local public (121) <p>Total: 193</p>	<ul style="list-style-type: none"> ❖ Hong Kong Institute of Planners (8) ❖ Caritas Community Centre - Ngau Tau Kok (2) ❖ Caritas Charrette Centre (2) ❖ Community Development Alliance – Tung Chung (CDA) (1) ❖ Simply Happy HK (2) ❖ Artists and designers (2) ❖ Clinical Psychologist (1) 	<ul style="list-style-type: none"> ❖ A “Train-the-Trainers” session was held with 69 registrations and 51 turned up ❖ 4 ‘Local Workshop’ co-organized with different organizations were held with 153 persons participated ❖ A bilingual booklet was published in Feb 2015 ❖ >60% of the participants expressed interests in collaborating with the project team to promote the ‘human flourishing’ framework ❖ >80% of the participants agreed that the workshops can improve their understanding on the topics of mindfulness, community planning, place-making and low-carbon living 	<ul style="list-style-type: none"> ❖ A participant who is a community organizer of Community Development Alliance – Tung Chung (CDA) collaborated with the project team to host a community planning workshop for the potential volunteers of CDA ❖ The project leader was invited to join the Legislative Council’s Panel on Food Safety and Environmental Hygiene concerning bottom up planning for local markets in Hong Kong ❖ Thoughts originated in this project have been instrumental in the organization of the Urban Thinkers Campus at CUHK on 29 Aug 2015, a pre-event that will lead to the Habitat II under UN-Habitat to be held in 2016


Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
4	<p>Promoting Healthy Brain Function in Elderly through Cognitive Training Programs and Social Activities (KPF142ICF01)</p> <p>Faculty of Arts (Department of Linguistics and Modern Languages)</p> <p>To collaborate with: Faculty of Education (Department of Educational Psychology)</p> 	<p>❖ Older adults (1,199)</p> <p>Total: 1,199</p>	<ul style="list-style-type: none"> ❖ BOKSS Chan Tak Sang Memorial Neighbourhood Elderly Center ❖ Caritas Elderly Centre – Lai Kok ❖ Caritas Elderly Centre – Shatin ❖ Chinese YMCA HK Chai Wan Neighbourhood Elderly Centre ❖ EFCC Mei Foo Social Centre for the Elderly ❖ ELCHK Sha Tin District Community ❖ Ho Tai Neighbourhood Centre for Senior Citizens (sponsored by Sik Sik Yuen) ❖ Ho wong Neighbourhood Centre for Senior Citizens (sponsored by Sik Sik Yuen) ❖ HKSKH Tai Wo Neighbourhood Elderly Centre ❖ MKKFA Kowloon Chamber of Commerce Centre for the Elderly ❖ NAAC Ma On Shan Neighbourhood Elderly Centre ❖ Pentecostal Church of Hong Kong Ngau Tau Kok Neighbourhood Elderly Centre ❖ SAGE Kai Yip Neighbourhood Elderly Centre ❖ Shatin Rhenish Neighbourhood Elderly Centre ❖ The Salvation Army Chuk Yuen Integrated Service Chuk Yuen Centre for Senior Citizens ❖ The Salvation Army Wah Fu Centre for Senior Citizens ❖ Tin Shui Neighbourhood Elderly Centre ❖ YMMSS Choi Hung Community Centre for Senior Citizens – Choi Hung Integrated Home Care Service 	<ul style="list-style-type: none"> ❖ Connections have been established with 18 elderly centres in which talks, social groups and free cognitive tests were provided ❖ 15 talks were held with 819 older adults participated ❖ Free cognitive tests were administered to 306 older adults from 5 elderly centres ❖ 14 older adults from two elderly centres started to study English by using Rosetta Stone Language Program ❖ 14 social groups meetings were organized in five elderly centres with >60 elderly participants joined 	<ul style="list-style-type: none"> ❖ Feedback from the participating elderly centres to be collected


Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
5	<p>Preventive Programs on Internet Addiction among Secondary School Students (KPF142ICF13)</p> <p>Faculty of Medicine (Centre for Health Behaviours Research)</p> <p>To collaborate with:</p> <p>Faculty of Social Science (School of Journalism and Communication)</p> <p>Faculty of Education (Department of Educational Psychology)</p> <p>Faculty of Medicine (The Jockey Club School of Public Health and Primary Care)</p> <p>Previous research: Incidence and longitudinal factors predicting onset and recovery of internet addiction among secondary school children in Hong Kong</p> 	<ul style="list-style-type: none"> ❖ Secondary 1-2 students from 4 schools (862) ❖ Parents of Secondary 1-2 students from 3 schools (49) ❖ Trained teachers from 4 schools (16) ❖ Identified students from 4 schools (118) <p>Total: 1,045</p>	<ul style="list-style-type: none"> ❖ Secondary Schools (4) ❖ Mentors (recruited from Fire Services Department) (16) ❖ The Boys' and Girls Clubs Association of Hong Kong (1) ❖ Advisors (2) 	<ul style="list-style-type: none"> ❖ 16 teachers completed the training ❖ All participants agreed or strongly agreed that they were satisfied with the teaching kit and the training ❖ 16 mentors completed mentorship training for in-depth intervention program; ❖ All participants agreed or strongly agreed that they were satisfied with the mentorship training ❖ 862 students joined the primary prevention program and 49 parents attended the parental talk ❖ 118 identified students joined the in-depth intervention program ❖ 778 of the 862 students completed baseline and post-program data 	<ul style="list-style-type: none"> ❖ Feedback to be obtained from students, parents, mentors and teachers on in-depth individual interview and/or focus group interview


Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
6	<p>Active Hong Kong, Healthy Citizens - A Family-Based Physical Activity, Fundamental Movement Skill, and Nutrition Program (KPF14ICF04)</p> <p>Faculty of Education (Department of Sports Science and Physical Education)</p> <p>To collaborate with:</p> <p>Faculty of Medicine (Centre for Nutritional Studies)</p> <p>Faculty of Education (Physical Education Unit)</p> 	<ul style="list-style-type: none"> ❖ Primary and secondary school students (183) ❖ Parents of participating students (160) <p>Total: 343</p>	N/A	<ul style="list-style-type: none"> ❖ An exercise toolkit has been developed ❖ 150 sets of exercise toolkits were distributed to the participating families ❖ 2 activity sessions including talks for parents, physical activity skill and fitness tests for students and a family activity day were held in CUHK ❖ >150 families joined the 2 activity sessions 	<ul style="list-style-type: none"> ❖ Several parents reported that they will take initiative to arrange and prioritize more time for family-based physical activities

Healthy Living

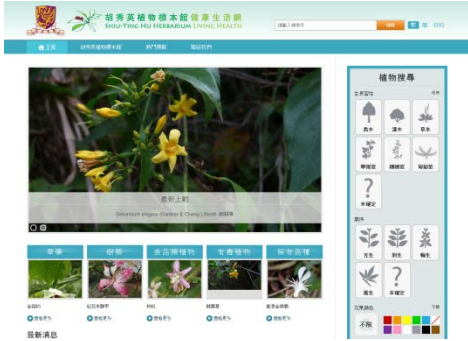
#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
7	<p>Enhance Public Awareness of Sarcopenia (Aging-induced Muscle Atrophy) - Healthy Aging in the Community (KPF14ICF05)</p> <p>Faculty of Medicine (Department of Orthopaedics & Traumatology)</p> <p>To collaborate with:</p> <p>Faculty of Medicine (School of Biomedical Sciences)</p> <p>Faculty of Medicine (Department of Medicine and Therapeutics)</p> <p>Previous research:</p> <ol style="list-style-type: none"> 1. An animal study of vibration treatment effect on skeletal muscle where the muscles were atrophied induced by 28-day tail suspension unloading 2. A randomized clinical trial of vibration treatment on 710 community elderly 	<ul style="list-style-type: none"> ❖ Community elderly (780) ❖ Volunteers (360) <p>Total: 1,140</p>	<ul style="list-style-type: none"> ❖ Caritas Hong Kong ❖ The Evangelical Lutheran Church of HK ❖ Tung Wah Group of Hospitals ❖ Yan Oi Tong ❖ Sun Chui Lutheran Centre for the Elderly ❖ International Church of the Foursquare Gospel Lung Hang Church ❖ Evangelical Free Church of China ❖ Sik Sik Yuen ❖ The Neighbourhood Advice-Action Council ❖ The Chinese Rhenish Church Hong Kong Synod 	<ul style="list-style-type: none"> ❖ 13 sessions of elderly talk were held with 780 elderly people and interested public attended ❖ 8 train-the-trainer workshops to promote “Sarcopenia Prevention” were conducted with 360 volunteers attended ❖ The overall rating of the workshops was 4.5 out of 5 ❖ 1,000 booklets on nutrition and exercise training were printed and distributed ❖ Equipment and protocol of assessment have been designed and tailored for the preliminary sarcopenia risk assessment for the community dwelling elderly ❖ Assessment was carried out in community centers with results explained to participants individually 	<ul style="list-style-type: none"> ❖ The comprehensive education booklets are found very informative by all event participants and collaborating units

Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
8	<p>Grief Detection and Management for Caregivers of People with Dementia (KPF14ICF10)</p> <p>Faculty of Medicine (Department of Medicine and Therapeutics)</p> <p>To collaborate with: Faculty of Social Science (Department of Social Work)</p> 	<ul style="list-style-type: none"> ❖ Interested professionals and community members (80) <p>Total: 80</p>	<ul style="list-style-type: none"> ❖ Jockey Club Centre for Positive Ageing 	<ul style="list-style-type: none"> ❖ 100 samples on validation of MM Caregiver Grief Inventory – Short Form has been performed ❖ 80 professionals enrolled for the two sharing sessions 	<ul style="list-style-type: none"> ❖ The results of the 100 samples collected are promising to prove the assessment to be valid to be used in Hong Kong
9	<p>Development and Dissemination of an Online Exercise and Health Promotion Program for Hong Kong Middle-aged Chinese: The Virtual Trainer System 3rd Version (KPF14ICF14)</p> <p>Faculty of Education (Department of Sports Science and Physical Education)</p> <p>To collaborate with: Faculty of Social Science (Department of Psychology) Faculty of Medicine (The Jockey Club School of Public Health and Primary Care)</p> <p>Previous Research: Development of an automatic physical activity measuring and reporting system for online exercise promotion: the Virtual Trainer 3rd Version</p>	To be developed	To be developed	<ul style="list-style-type: none"> ❖ Trial testing of a potential heart rate detection device to measure heart rate continuously as well as its connectivity and data transferal competency with mobile devices was implemented 	<ul style="list-style-type: none"> ❖ 200 subjects will be recruited for testing the effectiveness of application

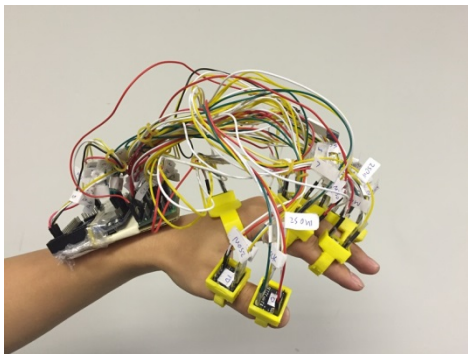
Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
10	Self-learning Platform of Plant Identification with Applied Knowledge in Healthy Living (KPF14INF08) Faculty of Science (School of Life Sciences)	To be developed	<ul style="list-style-type: none"> ❖ Sustainable Living and Agriculture Department; Kadoorie Farm & Botanic Garden (20) ❖ Hong Kong Herbarium; Agriculture Fisheries and Conservation Department (8) ❖ The Hong Kong Poison Information Centre (10) 	<ul style="list-style-type: none"> ❖ Some trial uses of the webpage and database were done for horticulturists and botanists 	<ul style="list-style-type: none"> ❖ Most visitors appreciated the easy approach of finding a plant species from the database





Sustainability and Productivity

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
11	<p>The Production of an Assessment Tool to Evaluate the Spoken Word Recognition for Hearing-impaired Population (KPF14ICF03)</p> <p>Faculty of Medicine (Institute of Human Communicative Research)</p> <p>To collaborate with: Faculty of Engineering (Department of Electronic Engineering)</p> <p>Previous Research: The construction and validation of CanSWORT</p>	<ul style="list-style-type: none"> ❖ Audiologists in Hong Kong (27) ❖ Cantonese speaking audiologists and relevant professionals outside Hong Kong (5) <p>Total: 32</p>	<ul style="list-style-type: none"> ❖ Audiologists in Hong Kong (8) ❖ International manufacturer of hearing device (2) 	<ul style="list-style-type: none"> ❖ The assessment software <i>CANSWORT</i> (alpha phase) has been developed ❖ A preliminary training seminar was organized with 27 local audiologists attended ❖ The content of software user manual has been prepared 	<ul style="list-style-type: none"> ❖ Local professionals have shown positive attitude regarding the assessment tool's clinical applicability as well as the test reliability and validity ❖ Enquiries were received in exploring research collaboration opportunities for expanding the tool and incorporating the tool into commercially available assessment and rehabilitation devices
12	<p>Enhancing Hong Kong Sign Language Education with Intelligent Recognition Systems (KPF14ICF09)</p> <p>Faculty of Engineering (Department of Computer Science and Engineering)</p> <p>To collaborate with: Faculty of Arts (Department of Linguistics and Modern Languages) Faculty of Engineering (Department of Electronic Engineering)</p> <p>Previous Research: Hong Kong Sign Language Recognition with Microsoft Kinect</p>	To be developed	To be developed	<ul style="list-style-type: none"> ❖ The prototype of the system has been demonstrated to the CUHK Centre for Linguistics and Deaf Studies with positive feedback received 	<ul style="list-style-type: none"> ❖ The evaluation will be conducted in the coming semester




Sustainability and Productivity

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
13	<p>e-Learning Platform for HKDSE Economics (KPF14INF03)</p> <p>Faculty of Business Administration (Department of Decision Sciences and Managerial Economics)</p> 	<ul style="list-style-type: none"> ❖ No. of video visit (8,000) <p>Total: 8,000</p>	N/A	<ul style="list-style-type: none"> ❖ 2 workshops were held with 150 participants ❖ 3 animation videos were produced and the platform to host the video was developed ❖ 984 registrations were received ❖ The videos were viewed for > 8,000 times 	<ul style="list-style-type: none"> ❖ Positive feedback was received from participants joining the workshops
14	<p>Enhancing Young Children's Executive Function Skills: Transferring Knowledge to Practice Using an Online Professional Learning Community (KPF14INF04)</p> <p>Faculty of Education (Department of Educational Psychology)</p> <p>Previous Research: A project related to executive function and behavior problems</p> 	<ul style="list-style-type: none"> ❖ Part-time students in teacher-education programs, CUHK (200) ❖ School teachers and school social workers (500) ❖ School-related personnel who attended the workshop and participated in the e-forum discussion (122) <p>Total: 822</p>	<ul style="list-style-type: none"> ❖ Educational Psychology Unit and Social Service Unit, Po Leung Kuk (150) 	<ul style="list-style-type: none"> ❖ An e-forum was set up ❖ 50 activities were uploaded for exchanges of registered members ❖ 50 members from school related personnel registered as member ❖ 23 members used the e-forum at least once ❖ A few screening measures were posted up for members' reference ❖ 122 school teachers and school social workers attended the workshop 	<ul style="list-style-type: none"> ❖ Most of the workshop participants reported that they would use behavioral shaping techniques in teaching Executive Function (EF)


Projects newly funded in this reporting year

Culture and Heritage					
#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
1	Active Ageing: Building an Electronic Archive on the Elderly in Preserving Hong Kong Cultural Heritage (KPF15ICF14) Faculty of Arts (Department of Cultural and Religious Studies) To collaborate with: Faculty of Arts (Department of Anthropology) Faculty of Education (Department of Education Policy and Administration)	❖ Elderly participants (40) ❖ Elderly Organizer (10) Total: 50	❖ The Conservancy Association Centre for Heritage (CACHe) (10) ❖ Evangelical Lutheran Church Social Service (40)	❖ No. of Talks (Target: 6) ❖ No. of participants in talks (Target: 60) ❖ No. of Site Visits (Target: 5) ❖ No. of participants in visits (Target: 100) ❖ No. of participants in interviews (Target: 15-20)	❖ Attendance rate of talks and site visits ❖ Feedback from participants through questionnaire ❖ Evaluation meeting
2	Multiculturalism in Action: Promoting Pakistani Culture as Local Heritage (KPF15INF02) Faculty of Arts (Department of Anthropology)	To be developed	To be developed	❖ Train-the-trainer seminars ❖ Field visits to Pakistani institutions ❖ Information kit on Pakistani culture ❖ Presentation in secondary school ❖ Cultural trainers and Pakistani youth in buddy program will be developed	❖ Improvement of participants' knowledge of cultural significance of Pakistani traditions, customs, and daily practices ❖ Improvement of Critical understanding of ethnic relations in Hong Kong society ❖ Feedback from participants through questionnaires ❖ Feedback from partners through individual interview
3	Music and the Shaping of Cultural Space: Chaozhou Music in Hong Kong (KPF15INF04) Faculty of Arts (Department of Music)	To be developed	❖ Hong Kong Chiu Chow Merchants Mutual Assistance Society Ltd – Music Group (35)	❖ No. of students taught (Target: 100) ❖ No. of workshop, concert attendees (Target: 300) ❖ No. of workshops ❖ Chaozhou Music Concert (Target: 1)	❖ Feedback and response on the quality of materials distributed through course evaluation and event questionnaire


Environment and Communal Harmony

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
4	<p>Promoting Nonverbal Communication Skills Among Children with Autism Spectrum Disorders through Online Social Robotics (KPF15ICF02)</p> <p>Faculty of Education (Department of Educational Psychology)</p> <p>To collaborate with: Faculty of Engineering (Department of Information Engineering)</p> <p>Faculty of Engineering (Department of Mechanical and Automation Engineering)</p> 	<ul style="list-style-type: none"> ❖ Six-to-twelve-year-old children with Low Functioning Autism in Hong Chi Morninghill School, Tsui Lam (52) <p>Total: 52</p>	<ul style="list-style-type: none"> ❖ Hong Chi Morninghill School, Tsui Lam (1) 	<ul style="list-style-type: none"> ❖ An online learning platform is developed ❖ Training Workshops to teachers in Hong Chi Morninghill School, Tsui Lam (Target: 1) ❖ No. of participants in training workshop (Target:44) ❖ No. of Seminar to parents of children in Hong Chi Morninghill School, Tsui Lam (Target: 2) ❖ No. of participants in Seminars (Target: 348) ❖ No. of instruction booklets (Target: 1000) 	<ul style="list-style-type: none"> ❖ Feedback from users to the website through online questionnaire ❖ Pre-training and Post-training Assessment ❖ Level of exposure in the mass media

Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
5	<p>Multidisciplinary Team for Active and Healthy Ageing in Elders of Rural Areas of Hong Kong (KPF15ICF01)</p> <p>Faculty of Medicine (School of Pharmacy)</p> <p>To collaborate with: Faculty of Medicine (The Nethersole School of Nursing)</p> <p>Previous Research:</p> <ol style="list-style-type: none"> 1. AMPOULE – Online Drug Information Platform for the Public in Hong Kong 2. Collaborative Ambulatory Drug Resources for Elderly (CARxE) – Promoting Medication Safety and Improved Clinical Outcomes Among the Elderly Community Through Telepharmacy and Outreach Services 3. Platform for Atrial fibrillation Care in Elderly and Disadvantaged population (PACED) 	<ul style="list-style-type: none"> ❖ Elderly participants (500) ❖ General Public (1,000) ❖ Nurse (50) ❖ Pharmacist (50) ❖ Nursing and Pharmacy Students (200) ❖ Social Workers and Elderly Caretakers (100) <p>Total: 1,900</p>	<ul style="list-style-type: none"> ❖ Hong Kong Housing Authority – Ming Wah Dai Ha and Clague Garden Estate (130) ❖ SAGE’s District Elderly Community Centres (115) ❖ Salvation Army’s Multi-Service Centres and Community Development Project (270) ❖ Fung Kai Neighbourhood Elderly Centre (60) ❖ Caritas Elderly Centres and Community Development Project (290) ❖ Hong Kong Sheng Kung Hui Lady MAlcLehose Centre (40) ❖ Mrs. Wong Tung Yuen District Elderly Community Centre (65) ❖ Chan Ping Memorial Neighbourhood Elderly Centre (60) ❖ ELCHK Ma On Shan District Elderly Community Centre (DECC cum DCU) (60) ❖ HKSCH Tseung Kwan O Aged Care Complex (110) ❖ Sheen Hok Charitable Foundation Kwan Shon Hing Yu Chui Neighbourhood Elderly Centre (60) ❖ Wan Ho Kan Neighbourhood Elderly Centre (60) ❖ Yan Chai Hospital Mrs Tsang Wing Neighbourhood Elderly Centre (60) ❖ YWCA Tai O Community Work Office (60) ❖ CSFC Shun On District Elderly Community Centre (60) 	<ul style="list-style-type: none"> ❖ No. of Workshop (Target: 2) ❖ No. of Public Lecture (Target: 2) ❖ No. of participants in Outreach programme (Target: 500) ❖ No. of Educational Pamphlets 	<ul style="list-style-type: none"> ❖ More participants will be considered medication adhered at the end of project (Target: at least 20%) ❖ Improvement of EQ-5D score (Target: at least 3%) ❖ Improvement of the home hazard assessment by at least 10%

Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
6	<p>Prevention of Vit-D insufficiency and Promotion of Good Bone Health for the Young Population in Hong Kong (KPF15ICF04)</p> <p>Faculty of Medicine (Department of Orthopaedics and Traumatology)</p> <p>To collaborate with: Faculty of Medicine (The Jockey Club School of Public Health and Primary Care)</p> <p>Previous Research: Prevalence of Vitamin-D Insufficiency Among Adolescents</p> 	<ul style="list-style-type: none"> ❖ 12 to 16 years old boy and girls (242) ❖ Parents (16) <p>Total: 258</p>	<ul style="list-style-type: none"> ❖ School (2) ❖ Church (1) 	<ul style="list-style-type: none"> ❖ No. of participants of the Education Talks (Target: 5,000) ❖ No. of visitors of the online Bone Health Education Platform (Target: 5,000) ❖ No. of download of the Bone Health Education App (Target: 2,500) ❖ An online platform ❖ A Mobile App 	<ul style="list-style-type: none"> ❖ Feedback on the online education platform and education app through evaluation ❖ Change of Knowledge of the students after visiting the Bone Health Education Platform and using the Bone Health Education App ❖ Change of Lifestyle on bone health after visiting the Bone Health Education Platform and Bone Health Education App
7	<p>Prevention of Stroke and Enhancement of Life with Aphasia (KPF15ICF05)</p> <p>Faculty of Medicine (Department of Medicine and Therapeutics)</p> <p>To collaborate with: Faculty of Arts (Department of Linguistics and Modern Languages)</p> <p>Previous Research: Promoting Healthy Brain Function in Elderly through Cognitive Training Programs and Social Activities</p>	To be developed	<ul style="list-style-type: none"> ❖ Elderly Centre ❖ Day Care Centre for elderly ❖ Hospitals and clinics 	<ul style="list-style-type: none"> ❖ A project website ❖ No. of participants in Public Talks (Target: 300) ❖ No. of Workshop (Target: 9) ❖ No. of Pamphlets ❖ No. of place for free trial treatment program (Target: 40) 	<ul style="list-style-type: none"> ❖ Post-stroke aphasic patients can improve their speech abilities through treatment

Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
8	<p>An Evidence-Based Neuropsychological Intervention for Mildly Cognitive/ Emotionally Deteriorating Elderly in Hong Kong (KPF15ICF07)</p> <p>Faculty of Social Sciences (Department of Psychology)</p> <p>To collaborative with:</p> <p>Faculty of Social Sciences (Department of Social Work)</p> <p>Previous Research: Traditional Chinese mind body intervention in promoting health in older community-living adults</p>	To be developed	❖ Ha Kwai Chung Polyclinic	<ul style="list-style-type: none"> ❖ No. of Training Group ❖ No. of enrolment and attendance of the 2 treatment groups ❖ No. of institutes that can have access to the treatment protocol 	<ul style="list-style-type: none"> ❖ Feedback and Evaluation of the group members ❖ Treatment outcome measure in memory and mood measure completed by the participants of treatment ❖ Participants' performance on the memory and mood measures
9	<p>An Integrated Community-based Screening and Secondary Prevention Program to Promote Physical Activity Among Physically Inactive Individuals Possessing Risk Factors of Diabetes Mellitus (DM) or Being Pre-diabetes (IGT/ IFG) (KPF15ICF08)</p> <p>Faculty of Medicine (The Jockey Club School of Public Health and Primary Care)</p> <p>To collaborate with:</p> <p>Faculty of Education (Physical Education Unit)</p> <p>Faculty of Medicine (Department of Chemical Pathology)</p> <p>Faculty of Medicine (Department of Medicine and Therapeutics)</p> <p>Previous Research:</p> <ol style="list-style-type: none"> 1. Prevalence of Vitamin-D Insufficiency among Adolescents in Hong Kong and Its Association with Life Style, Bone Mineral Status and Bone Micro-architecture Profile 2. A Community-based, Theory-based, Setting-based Screening and Clustered Randomised Controlled Trial to Promote Physical Activity among Physically Inactive People with Impaired Glucose Tolerance and Impaired Fasting Glucose 	<ul style="list-style-type: none"> ❖ Participants of the prevention program (879) <p>Total: 879</p>	<ul style="list-style-type: none"> ❖ Shatin District Council (1) ❖ Resident Associations of the public housing estates (6) ❖ Yao Chung Kit Diabetes Assessment Centre (1) ❖ Volunteers from housing estates (6) 	<ul style="list-style-type: none"> ❖ Health promotion materials – Posters and leaflets ❖ Secondary Prevention program will be documented ❖ No. of participants in screening (Target: 800) ❖ No. of participants in the 6-month secondary prevention program ❖ Implementation manual ❖ Attendance rate of the participants to the activities 	<ul style="list-style-type: none"> ❖ Increase of community awareness about prevention and screening of DM ❖ To remind individuals exposed to risk factors but not being diabetics about their risk ❖ To mobilize community groups, stakeholders and volunteers and to engage them in future health promotion in general and DM promotion in particular ❖ Baseline and evaluation questionnaires will be developed and archived ❖ Participants' improvement in cognitions related to physical activity and in level of physical activity

Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
10	<p>Promotion of Healthy Lifestyle Among Middle-aged Chinese Population in Hong Kong: An Integrated Approach Using Body Fat Measurement, Brief Counseling, and Mobile Apps (KPF15ICF16)</p> <p>Faculty of Medicine (The Jockey Club School of Public Health and Primary Care)</p> <p>To collaborate with:</p> <p>Faculty of Education (Department of Sports Science and Physical Education)</p> <p>Faculty of Science (School of Life Sciences)</p>	To be developed	To be developed	<ul style="list-style-type: none"> ❖ No. of Health talks and Health Festival ❖ No. of Press Conference ❖ Building of Website, Mobile Apps and Social Media ❖ No. of Distribution of Posters, flyers and leaflets ❖ No. of participants taken body fat measurements ❖ No. of counseling sessions ❖ No. of users of the mobile apps ❖ Amount of time users spent on mobile apps 	<ul style="list-style-type: none"> ❖ Effectiveness in promoting healthy lifestyle and weight control ❖ Satisfaction of participants with the counseling ❖ Increase of self-efficacy and behavioral changes in healthy lifestyle adoption and weight control ❖ Changes in body fat measurement (body fat thickness, muscle thickness, body fat index, percentage, and distribution, body shape image ❖ Feelings and opinions about changes in eating habits, PA levels, body shape, and health status of participants
11	<p>Living with Heart: Online and Community-based Mindfulness and Compassion Programs for the Promotion of Public Mental Health in Hong Kong (KPF15ICF17)</p> <p>Faculty of Social Sciences (Department of Psychology)</p> <p>To collaborate with:</p> <p>Faculty of Medicine (The Jockey Club School of Public Health and Primary Care)</p> <p>Faculty of Social Sciences (School of Journalism and Communication)</p>	<ul style="list-style-type: none"> ❖ Working adults in workshop and activities (44) <p>Total: 44</p>	<ul style="list-style-type: none"> ❖ University of California, San Diego (1) ❖ CUHK Student Counseling and Development Service (1) 	<ul style="list-style-type: none"> ❖ No. of participants in events (44) ❖ No. of visits to website (Target 1,500) ❖ No. of Usage of online assessment tool (Target: 500) ❖ No. of registered user of online mental health training (Target: 300) ❖ An online platform 	<ul style="list-style-type: none"> ❖ Increase of participant's knowledge and interest in IntenSati (IS) and Principle of Clarity (POC) ❖ Evaluation of pre-and post-outcome of the online mental health training ❖ Feedback from the participants in events



Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
12	<p>“Moving Against Old Age! Moving Against OsteoArthritis!” 「動起來!無懼膝痛!」 (KPF15INF06)</p> <p>Faculty of Medicine (Department of Orthopaedics and Traumatology)</p>	<ul style="list-style-type: none"> ❖ Patients diagnosed with symptomatic Osteoarthritis and have elected to be on the waiting list for a lower limb arthroplasty (11) <p>Total: 11</p>	<ul style="list-style-type: none"> ❖ Li Ka Shing Orthopaedic Special Clinic 	<ul style="list-style-type: none"> ❖ No. of Tai Chi Class Session (16) ❖ No. of participants in Tai Chi Class (11) 	<ul style="list-style-type: none"> ❖ Patients’ Osteoarthritis Knowledge Evaluation ❖ Satisfaction of the programme ❖ Assessment of physical activity according to IPAQ-SF ❖ Assessment of symptoms and physical functioning of joints ❖ Assessment of the quality of life of participants in terms of patient self-rated questionnaire SF-36
13	<p>Enhance Public Awareness of Noise-induced Hearing Loss (NIHL) for Youth: Healthy Ear, Healthy Hearing in the Community: Transfer Professional Knowledge to Practice (KPF15INF07)</p> <p>Faculty of Medicine (Department of Otorhinolaryngology, Head and Neck Surgery)</p>	<ul style="list-style-type: none"> ❖ Students (5,000) <p>Total: 5,000</p>	<ul style="list-style-type: none"> ❖ Lion & Leo ❖ Hear Talk Foundation 	<ul style="list-style-type: none"> ❖ Online website ❖ Education talks ❖ Interactive quiz after the education talks ❖ Exhibition booth at school ❖ Press conference 	<ul style="list-style-type: none"> ❖ Self-initiate behavior change on listening to the amplified music at safe volume and duration of students ❖ Advocate the concept of hearing conservation in the school curriculum for students ❖ Feedback from teachers through post-workshop questionnaires


Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
14	<p>Establishment of Geriatric Orthopaedics Co-Management for Sarcopenia – A Joint Effort to Postpone Frailty and to Prevent Fragility Fractures (KPF15INF08)</p> <p>Faculty of Medicine (Department of Orthopaedics and Traumatology)</p> <p>Previous Research: Enhance public awareness of sarcopenia (Aging-induced muscle atrophy) – Healthy aging in the community</p>	To be developed	To be developed	<ul style="list-style-type: none"> ❖ No. of participants in Education Talk on Sarcopenia for Clinical Professionals ❖ No. of participants in Education Workshop on Sarcopenia for Clinical Professionals ❖ No. of Booklets of professional knowledge on sarcopenia for medical professionals (Target: 200) ❖ No. of Booklets of nutrition and exercise training targeting on sarcopenia for general public (Target: 300) 	<ul style="list-style-type: none"> ❖ Establishment of Collaborative Network for further Community Programme ❖ Increase in healthcare quality of professionals providing to the community elderly and also enhance the quality of life of the patients by sharing the management experience of sarcopenia among clinicians and scientists with emphasis on elderly care ❖ Providing the best interventions for sarcopenic patients and retard the progression of sarcopenia and frailty in elderly. Healthcare burdens on sarcopenia or related complications will be reduced by providing platform for professionals to exchange ideas on treatment approach for sarcopenic patients ❖ Increase in basic and clinical knowledge of the professionals in sarcopenia and frailty, esp. learn the etiology and consequences of sarcopenia; know how to diagnose and prevent sarcopenia in community elderly by updating the latest scientific knowledge of sarcopenia and frailty ❖ Feedback from participants on the satisfaction of the talk and workshop through questionnaire

Healthy Living

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
15	<p>Development of Multimedia Interventions to Promote Cervical Cancer Prevention Among South Asia Women in Hong Kong (KPF15INF09)</p> <p>Faculty of Medicine (The Nethersole School of Nursing)</p> <p>Previous Research:</p> <ol style="list-style-type: none"> Perspectives on cancer preventive services for ethnic minorities: implications for services needs and utilization Improving cancer control for South Asian women through intervention by community health workers: A pilot study Translation and validation of instruments in South Asian women in Hong Kong 	To be developed	To be developed	<ul style="list-style-type: none"> ❖ No. of participants in the intervention (Target: 1,000) ❖ No. of participants willing to promote the intervention to their peers and friends ❖ No. of community associations promoting the intervention to their members ❖ No. of community associations implementing the intervention at their centres ❖ No. of intervention conducted at community partner centres ❖ No. of booklets distributed ❖ No. of interpretation services provided by the associations to assist their members in accessing screening services 	<ul style="list-style-type: none"> ❖ Knowledge of cervical cancer, related preventive measures and access to cervical cancer screening services through completing a survey ❖ Satisfaction with the intervention ❖ Feedback from community partners through a self-reported survey ❖ Willingness of community partner association to continue carrying out the intervention at their centres after project completion
16	<p>Effective Communications Among Hearing Impaired Elderly and Their Families (KPF15INF13)</p> <p>Faculty of Medicine (Institute of Human Communicative Research)</p>	To be developed	❖ Audiologists in Hong Kong (2)	<ul style="list-style-type: none"> ❖ No. of Public Talks (2) ❖ No. of participants in public talks (Target: 200) ❖ No. of elderly attending the hearing screening (Target: 100) ❖ No. of pamphlet distributed 	<ul style="list-style-type: none"> ❖ Increase audiences' knowledge after public talk through questionnaire ❖ Increase awareness on elderly hearing and communication difficulties, and their rehabilitation possibilities through survey on audience attitudes towards elderly hearing and communication difficulties ❖ Reduce in communication difficulties by elderly hearing aid fitting outcome measurement questionnaires


Sustainability and Productivity

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
17	<p>Showcasing a CUHK Developed Real-time Tracking System for Environmental Friendly Logistic Management (KPF15ICF06)</p> <p>Faculty of Engineering (Department of Electronic Engineering)</p> <p>To collaborate with:</p> <p>Faculty of Engineering (Department of Systems Engineering and Engineering Management)</p> <p>Previous Research: RFID-Enabled Sensing Technologies for Real-time Environmental Monitoring and Risk Management</p> 	<ul style="list-style-type: none"> ❖ Distribution Centers & Warehouses (1) ❖ Electronics Technology Service Providers – RFID (3) ❖ IT System Integration companies (1) <p>Total: 5</p>	<ul style="list-style-type: none"> ❖ Schmidt & Co., (Hong Kong) Ltd (1) 	<ul style="list-style-type: none"> ❖ Making of active RFID tags (Target: 300) ❖ Flight-missing rate of overall Express Mail System (Daily rate less than 1%) ❖ Showcase site visits (Target: 20) ❖ Press conference 	<ul style="list-style-type: none"> ❖ Systematic Societal improvement ❖ Productivity improvement ❖ Demonstrable evidence


Sustainability and Productivity

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
18	<p>A Model of Knowledge Translation: the Active Healthy Kids Report Card on Physical Activity for Hong Kong Youth (KPF15ICF12)</p> <p>Faculty of Education (Department of Sports Science and Physical Education)</p> <p>To collaborate with: Faculty of Medicine (The Jockey Club School of Public Health and Primary Care)</p>	To be developed	To be developed	<ul style="list-style-type: none"> ❖ No. of participants in the open meeting (Target: 30-50) ❖ Publications of Report Card (Target: 500) ❖ Presentation at International Congress on Physical Activity and Public Health in 2016 ❖ Website ❖ A full day open meeting and a half day launch meeting 	<ul style="list-style-type: none"> ❖ Enhance educational attainment since higher physical activity and lower levels of sedentary behaviors are more conducive to learning
19	<p>Building Vibrant Entrepreneurial Financing System for CUHK (KPF15ICF15)</p> <p>Faculty of Business Administration (Centre for Entrepreneurship)</p> <p>To collaborate with: Faculty of Medicine (Centre for Clinical Research and Biostatistics)</p>	<ul style="list-style-type: none"> ❖ CUHK Students, Alumni & angel investor (500) ❖ Start-up Projects and Early Stage Companies (60) <p>Total: 560</p>	<ul style="list-style-type: none"> ❖ Entrepreneurship Programme in CUHK (2) ❖ CUHK Alumni Torch Fund (1) ❖ CUHK EMBA Alumni Association (1) ❖ Hong Kong Trade Development Council (1) ❖ Hong Kong Sciences and Technology Park (1) 	<ul style="list-style-type: none"> ❖ Sharing Session (1) ❖ Exhibition on CUHK Entrepreneur Day and HKTDC Entrepreneur Day (1) ❖ Sidecar fund (1) ❖ Networking Event (2) ❖ Pitching Event (2) ❖ Training Workshop (4) ❖ Online investment managing platform (1) ❖ No. of registered members of the CUHK Angel Network (25) ❖ Coaching class (3) 	<ul style="list-style-type: none"> ❖ Setting up an invest network to connect with CUHK projects ❖ Building up collaboration with other investment groups and funding schemes ❖ Knowledge Transfer from experienced entrepreneurs and educators to start-up and future entrepreneurs
20	<p>The Hong Kong Sign Language Basic Sex Education Website (KPF15INF01)</p> <p>Faculty of Arts (Department of Linguistics and Modern Languages)</p> <p>Previous Research: Taboos and Euphemisms in Sexual Signs in Asian Sign Languages</p>	To be developed	To be developed	<ul style="list-style-type: none"> ❖ No. of hits to the Website (Target: 1500 in the first year) ❖ No. of participants in Seminars (Target: 300) ❖ An online platform ❖ Leaflets 	<ul style="list-style-type: none"> ❖ Helping deaf teenagers develop a better understanding towards sex-related matter ❖ Raising public awareness towards the need of sex education for deaf people, particularly youngsters

Sustainability and Productivity

#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
21	<p>Capturing Syllables: Intelligent Mobile App on Pinyin and Jyutping Dictation Trainings for Students and the Hong Kong Community (KPF15INF03)</p> <p>Faculty of Arts (Department of Linguistics and Modern Languages)</p> <p>Previous Research: Optimal Personalized Online Pinyin Trainings for Cantonese Speakers of Hong Kong</p> 	To be developed	❖ The Chinese Language Centre, CUHK (200)	<ul style="list-style-type: none"> ❖ No. of participants in seminars and workshops (Target: 1,000) ❖ No. of download of Smartphone apps (Target: 10,000) ❖ No. of Educational leaflet distributed (Target: 5,000) 	❖ Feedback from users of the mobile apps through online survey

Sustainability and Productivity

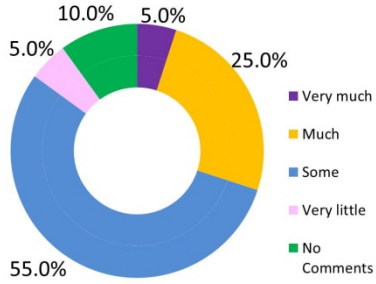
#	Project Title (Project Code) Faculty (Unit)	Performance Indicators			
		Beneficiary Types (Numbers)	Partners (No. in the group)	Quantitative Indicators	Qualitative Indicators
22	<p>Rental Index and Living Environment of Sub-divided Housing Units (KPF15INF15)</p> <p>Faculty of Social Sciences (Department of Geography and Resources Management)</p> <p>To collaborate with:</p> <p>Faculty of Social Sciences (Department of Social Work)</p> <p>Previous Research: Future Housing Choices –Demographic Challenges and Mixed-Income Communities in Hong Kong</p> 	<ul style="list-style-type: none"> ❖ Social Workers dealing with subdivided units (20) <p>Total: 20</p>	<ul style="list-style-type: none"> ❖ The Hong Kong Council of Social Service (1) ❖ Social Work Organizations (7) ❖ Platform of Concerning Subdivided Flats and Issue in Hong Kong (1) 	<ul style="list-style-type: none"> ❖ Quarterly Conference or Press release ❖ Exhibition ❖ Workshop ❖ Seminar ❖ Talk ❖ Website ❖ No. of reference to the rental index and its change (Target: 1000) 	<ul style="list-style-type: none"> ❖ Increase awareness of the rental level of sub-divided housing unit ❖ Reduction by 30% of the volatility and range of rental level
23	<p>Experience-based Service Design with the Welfare Services Users (KPF15INF16)</p> <p>Faculty of Social Sciences (Department of Social Work)</p> <p>Previous Research:</p> <ol style="list-style-type: none"> 1. Towards a practice model of users participation for elderly services in Hong Kong 2. User participation in governing welfare service organizations – An exploratory study of service users’ experience 3. Effective means to enhance users’ participation in service planning and monitoring in mainstream elderly services 	To be developed	<ul style="list-style-type: none"> ❖ Management staff of Caritas Services for the Elderly and its 6 participating service units (6) 	<ul style="list-style-type: none"> ❖ No. of Training Workshop ❖ No. of Discovery interviews ❖ No. of seminar to share project result ❖ No. of attendance of the dissemination seminar (Target: 100) ❖ No. of distribution of the operational manual on experience-based service design with the welfare service users (Target: 300) 	<ul style="list-style-type: none"> ❖ Feedback from participants on the dissemination seminar and training workshop ❖ Change in attitude, understanding and skills among the working group members ❖ Satisfaction with the training workshops and consultation meetings through self-administered questionnaire ❖ Satisfaction with the dissemination seminar through questionnaire ❖ Sustained interest in participatory management with the welfare service users in the partner organization by interviews with the service managers ❖ Participating Unit to have service improvement plan

Knowledge Transfer Seminar Series

No. of seminars organized in 2014/15: 6

6 Aug 2014 | **Intellectual Property Awareness and Protection: Strategies for Staff and Student Inventors**
Dr Albert Chan

Participant Feedback: Inspired or given new ideas to do technology-based KT

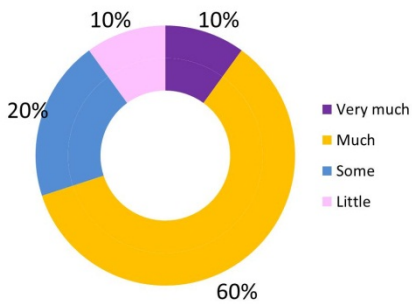


44
No. of participants



26 Sep 2014 | **Pi Centre Information Session**
Prof Kevin AU, Mr Mingles TSOI

Participant Feedback: Encouraged to participate in entrepreneurial activities

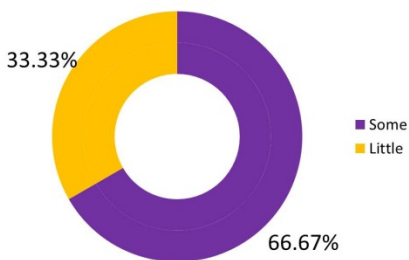


14
No. of participants



8 Oct 2014 | **PEF Sharing Session: BIO International Convention & Study Mission 2014, San Diego**
Prof KWAN Hoi Shan, Prof Timothy RAINER and Dr Ken YEUNG

Participant Feedback: Inspired or given new ideas to do KT

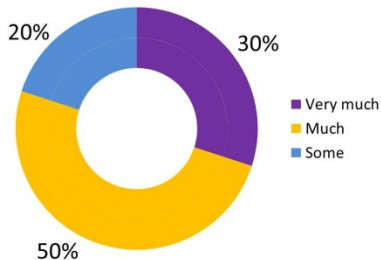


11
No. of participants



20 Oct 2014 | **Technology Start-up Support Scheme for Universities (TSSU) Information Sessions**
Dr Tony TSOI

Participant Feedback: Encouraged to participate in entrepreneurial activities

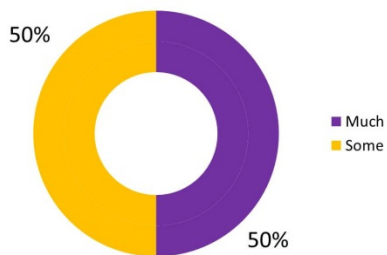


No. of participants **66**



28 Jan 2015 | **Technology Start-up Support Scheme for Universities (TSSU) Information Sessions**
Dr Tony TSOI

Participant Feedback: Encouraged to participate in entrepreneurial activities

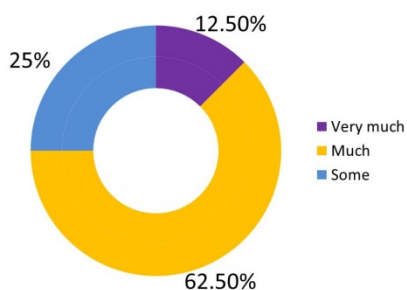


No. of participants **38**



28 May 2015 | **Knowledge Transfer with Social Innovation Talk**
Prof Kevin AU

Participant Feedback: Encouraged to participate in entrepreneurial activities



No. of participants **13**



**Networking Building:
Activities Conducted or Attended by ORKTS 2014/15**

A. Advocating KT to CUHK Faculties and Staff

- 1) Orientation for New Teachers 2014, by the Centre for Learning Enhancement And Research (CLEAR), August 2014

B. Promoting KT within and beyond campus

- 1) Seminar “Innovations in a Changing Intellectual Property World”, by Law Offices of Albert Wai-Kit Chan, PLLC, August 2014
- 2) “EYE Program Closing Party”, by CUHK Centre for Entrepreneurship, November 2014
- 3) Seminar on Outside Practice, jointly organized by ICAC and CUHK, December 2014
- 4) CLASS Excellence in Knowledge Transfer Award Ceremony 2014 and Distinguished Lecture: Novel Approaches to Define and Measure Impact of Community Engagement, by City University of Hong Kong, January 2015
- 5) Opening Ceremony of Chow Yuk Ho Technology Centre for Innovative Medicine, by Faculty of Medicine, January 2015
- 6) Horizon 2020 stakeholder meeting, by DRAGON STAR, February 2015
- 7) Conference: Institutional Policy and the Practice of Student Intellectual Property Management in Hong Kong Higher Education, by City University of Hong Kong, March 2015
- 8) Technology Transfer Policy Issues: An Interactive Session among Colleagues Workshop, by City University of Hong Kong, March 2015
- 9) CAE-HKAES Joint Summit on Innovation and Technology Industry in Hong Kong and the PRD, by Chinese Academy of Engineering, April 2015
- 10) Enterprise Support Scheme Briefing Session by Innovation and Technology Commission, April 2015
- 11) Opening Ceremony of CUHK Entrepreneur Day, May 2015
- 12) Soft-landing Series - Implementation of Tech Trends: International Advanced Tech Business Matching Event, by Hong Kong Science & Technology Parks Corporation, May 2015
- 13) CUHK “Professor Charles K. Kao Student Creativity Awards” Prize Presentation Ceremony, May 2015

C. Presentations to International Delegations

- 1) Chungnam National University, South Korea, December 2014
- 2) 深圳市科技創新委員會, August 2014
- 3) Uppsala University, Sweden, April 2015
- 4) University of Warwick, UK, May 2015
- 5) Karolinska Institutet, Sweden, June 2015