



理大醫療及社會科學院 竭力改善全人健康造福社群 Improving Health and Well-Being by Tackling Wicked Problems

香港理工大學(理大)醫療及社會科學院,一直致力提供優質教育以培育醫療社科專才、推展前瞻性的 科研及以人為本的服務,以達致全人健康的目標。隨著人類平均壽命持續增長以及人口老化等問題, 要活得健康長壽也成為全球的新挑戰。有見及此,醫療及社會科學院多年以來,積極應對各種影響人們 不同人生階段的複雜問題,包括精神健康和身體殘疾帶來的種種挑戰。歡迎細閱今期《健訊》, 以了解醫療及社會科學院的教員及學生,如何於解決這些問題上取得豐碩的成果!

The Faculty of Health and Social Sciences (FHSS) of The Hong Kong Polytechnic University (PolyU) is committed to offering high-quality tertiary education, research and services in health and applied social sciences for the benefit of mankind. As life expectancies have risen and populations are ageing, the main challenge is to increase people's healthspan — or the time during their lifespan that they are in relatively good health. To this end, we proactively tackle complex, often interdependent "wicked" health and well-being problems that can affect different stages of people's lives differently, such as mental health and disability. Get a taste of what our staff and students have been doing to address wicked problems in this issue of "Health News"!



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「易徑玩樂」遊戲干預模式 惠及本港認知障礙症患者 Play Intervention for Dementia Can Benefit Sufferers in Hong Kong

一般來說,認知障礙症患者在認知能力、行為、情緒或性格上,可能會出現一些變化。根據加拿大多倫多大學曾家達教授所創的「知行易徑」理論,那些轉變或許代表著患者有某些潛在問題例如感到沉悶或孤獨等。他在「知行易徑」的基礎上,開發出有助改善認知障礙症的「易徑玩樂」遊戲干預模式。「易徑玩樂」利用玩具或其他輔助物件,結合以玩樂、創意和互動為題的活動,鼓勵及吸引患者積極參與。透過遊戲、運動、音樂、舞蹈、表達藝術、手工藝等方法,改善患者認知能力。本港慈善機構仁愛堂得知「易徑玩樂」課程在多倫多的驕人成果後,遂從2015年起引入課程,在轄下多間社區長者服務單位推行活動。仁愛堂亦委託由曾教授及理大護理學院助理教授張詩琪博士帶領的團隊,於2017年10月至2019年1月,就「易徑玩樂」的應用及成效進行隨機對照試驗,以決定會否在更多服務單位擴展。

是項研究共招募62名年滿60歲或以上,患有早期至中期認知障 礙症,並於過去六個月內無參與任何刺激性的認知能力活動的 服務使用者。參與的長者被隨機分配到「易徑玩樂」干預組或 等待名單對照組。獲分配到干預組的長者,每星期會進行45至 60分鐘按個別的強弱項而度身設計的「易徑玩樂」活動,為期 8週;而對照組的長者則在這8星期內接受慣常的治療,並於 結束後進行「易徑玩樂」活動。

認知能力較弱的「易徑玩樂」組的長者,於完成8星期的訓練後 與對照組長者相比,其整體認知功能有顯著進步;而「易徑 玩樂」組的長者,在紓緩認知障礙症的行為和心理症狀方面, 亦略有改善。整體來說,「易徑玩樂」組的長者在認知功能和 語言運用、身體動作和協調、正面情緒、幹勁和體力、對四周 環境和別人的好奇心,以及互動方面皆有進步。

仁愛堂將進一步推擴「易徑玩樂」課程,並推出多個工作坊, 對象包括社工、物理治療師、職業治療師、護士等專業人士, 期望為認知障礙症長者及其照顧者帶來更具質素的社區生活。



People with dementia may exhibit changes in their cognitive abilities, behaviour, mood, or personality. According to the Strategies and Skills Learning and Development (SSLD) conceptual model by Prof Ka Tat Tsang of the University of Toronto, some changes may indicate an underlying problem such as boredom or loneliness related to unmet needs for stimulation, activity, and engagement. He developed the Play Intervention for Dementia (PID) programme within the SSLD framework as a strategy that could be used to engage people with dementia. PID uses toys or other objects to encourage play incorporating pleasure, creativity, and interaction. It can include elements from games, exercise, music, dance, expressive arts, crafts, or other activities. After learning about the success of a PID programme in Toronto, Hong Kong charity Yan Oi Tong introduced PID in several of its community elderly service units from 2015. Before deciding whether or not to roll out PID in more units, Yan Oi Tong commissioned researchers led by Prof Tsang and Dr Daphne Cheung Sze-ki, Assistant Professor at PolyU's School of Nursing, to conduct a randomised controlled trial from October 2017 to January 2019 to examine the effects of its current use of PID.

Sixty-two community elderly service unit users aged 60 years or above with early to moderate dementia and who had not attended any type of cognitive stimulation activity in the past 6 months were randomly assigned to either a PID intervention group or a wait-list control group. The PID group underwent a 45-60 mins session of PID activities per week for 8 weeks tailored to their individual strengths and weaknesses, while the control group received their usual treatment during the 8 weeks and PID as unit users afterwards.

By the end of the 8-week interventions, PID participants with lower cognitive abilities showed significant improvements in global cognitive functions when compared with their peers with lower cognitive abilities in the control group. The PID group also showed greater though not statistically significant improvements in behavioural and psychological symptoms of dementia. Overall, benefits were observed or measured in the PID group's cognitive functions and language use, bodily movement and coordination, positive emotions, drive and energy, and curiosity in and engagement with their surroundings and other people.

After the study, Yan Oi Tong decided to train staff in all its elderly service units to use PID. It also plans to offer more PID training workshops to other social workers, occupational therapists, physiotherapists, nurses, and other health professionals to further improve the quality of life for users of its community elderly service units who have dementia and for their caregivers.



為精神健康綜合社區中心 消除負面標籤覓良方 Finding Ways to Reduce Stigma About Integrated Community Centres for Mental Wellness

緊張的都市生活加上人口老化, 令香港的精神病患者 持續增加。政府為改善情況, 設立了精神健康綜合社區 中心(下稱「中心」)加強社區的支援服務,以及協助中心使用 者融入社區生活。中心以服務精神病康復者、懷疑有精神健康 問題的人士及其家屬,以至有意改善精神健康的人士為目標。 不過,因著社會對嚴重精神病患者的負面標籤, 令中心選址經 常受到區內居民反對。

香港社區組織協會在2011年進行的一項調查顯示,近七成受訪 者同意在自己社區設立中心以支援區內的精神病患者。不過, 中心的選址在公眾諮詢期間經常收到反對意見。平等機會委員會 為解決這種分歧,委託理大應用社會科學系社會工作及老年學 講座教授暨系主任黎永亮教授為首的研究團隊,就「識別出減少 公眾反對為精神健康綜合社區中心及其他精神健康設施選址的 有效方法」進行全面的研究工作。

團隊除查閱了本港和外地不少有關精神健康設施諮詢及選址過程 的文獻外,亦訪問了政府相關持分者、中心營辦者和使用者、 立法會議員和區議員以及社區代表,並根據資料數據研究中心 選址成功及失敗的個案。團隊發現社會人口及文化多元的地區及 新發展社區的居民,相比現有或較舊型公屋的居民更容易接受 區內開設精神健康設施。而居民反對選址的原因,普遍源於擔心 中心使用者會對居民造成滋擾並影響樓價。研究亦發現,政府就 中心選址欠缺統一的公眾諮詢指引,以致諮詢期往往過長及出現 延誤。此外,有關中心的服務範圍和使用者的資料時有不足, 令居民未能全面了解情況。

就改善中心難以落戶社區的問題,研究團隊建議政府可作跨部門 協調,制訂標準的諮詢指引,並限定設立中心的諮詢期不多於18 個月;由不同持份者組成專責小組,推動居民在諮詢期前及期間 積極參與,並於全港推行有關精神健康的社區教育。團隊亦建議 政府可優先考慮在空置校舍原址設立中心,並在未來新建的公共 屋邨及政府綜合大樓內預留空間開設中心和其他為當區服務的 社福設施,以及刪除《香港規劃標準與準則》中對精神健康設施 的特定要求,消除公眾對中心的誤解。 Stressful city life coupled with an ageing population are pushing up the prevalence of mental illness in Hong Kong. To help improve the situation, the government has been establishing Integrated Community Centres for Mental Wellness (ICCMWs) to enhance support services for and the integration of the centres' users in their local communities. The target users are discharged mental patients, people with suspected mental health problems and their families, and anyone who wishes to improve his or her mental health. However, there is often local opposition to the siting of ICCMWs because of stigma about the severely mentally ill.

A 2011 survey by the Society for Community Organisation revealed that nearly 70% of respondents agreed with having an ICCMW in their neighbourhood to help local residents with mental health problems. However, opposition is often encountered during public consultations for the siting of ICCMWs. To address this discrepancy, the Equal Opportunities Commission commissioned a research team led by Prof Daniel Lai Wing-leung, Chair Professor of Social Work and Gerontology and Head of PolyU's Department of Applied Social Sciences, to conduct a study on "Identifying Effective Approaches to Reduce Public Opposition in the Siting of Integrated Community Centres for Mental Wellness and Other Mental Health Facilities."

The team reviewed literature on the consultation and siting process of mental health facilities in Hong Kong and overseas; conducted interviews with stakeholders from government, ICCMW operators and users, councillors, and community representatives; and created case studies of successful and unsuccessful ICCMW sitings from the data. They found that residents in districts with sociodemographic and cultural diversity and in newer neighbourhoods were more receptive to the siting of mental health facilities than were residents in existing or older public housing estates. Opposition was based on fears that ICCMW users could endanger personal safety and property prices. The absence of a standardised protocol for setting up ICCMWs often resulted in overlong consultations and delays. Sometimes, residents were provided with inadequate information about ICCMWs' scope of services and target users.

The team recommended establishing governmental interdepartmental coordination, a standardised protocol with time frames to set up an ICCMW within 18 months, a task force of different stakeholders to lead community engagement before and during consultations, and territory-wide community education on mental health. They also recommended prioritising abandoned or idle school premises and reserving space in future public housing developments and government complexes for ICCMWs and other community-based social welfare services, and removing a mental health facilities specification in the Hong Kong Planning Standards and Guidelines that can lead to misunderstanding about ICCMWs.



醫療及社會科學院新任副院長履新 Appointment of New Associate Dean

護理學院黃金月教授於2019年7月15日起,再度出任醫療及社會科學院副院長。

新任命 Senior **Appointments**



FHSS from 15 July 2019.

Prof Frances Wong Kam-yuet, Professor at the School of Nursing, was reappointed as Associate Dean of

醫療及社會科學院副院長卸任及眼科視光學院暫任學院主任履新 Cessation of Associate Deanship; Appointment of Interim Head, School of Optometry

眼科視光學院林小燕教授於2019年7月15日卸任醫療及社會科學院副院長,並於同日至2020年7月14日 出任眼科視光學院暫任學院主任。醫療及社會科學院衷心感謝林教授多年來對學院的支持及貢獻。 Prof Carly Lam, Professor at the School of Optometry, stepped down from being Associate Dean of FHSS on 15 July 2019 to become Interim Head of the School of Optometry from 15 July 2019 to 14 July 2020. FHSS would like to express its heartfelt gratitude to Prof Lam for her dedicated service over the past years.

榮升講座教授 **Congratulations on** Promotions to Chair Professor!



曾永康教授

⑧美雲社會心理健康教授 康復治療科學講座教授 康復治療科學系系主任

Prof Hector W.H. Tsang

Cally Kwong Mei Wan Professor in Psychosocial Health Chair Professor of Rehabilitation Sciences Head, Department of Rehabilitation Sciences

研究興趣 Research interests

精神病者的神經心理及職業康復、精神病的特徵、身心介入的心理生理學 Neuropsychiatric and vocational rehabilitation for individuals with mental illness; mental illness stigma; psychophysiology of mind-body interventions

曾教授早前亦獲廣州醫科大學附屬第五醫院邀請,成為「南山學者特聘教授」。 Prof Tsang has also been newly appointed as "Distinguished Professor of Nanshan Scholar" at the Fifth Affiliated Hospital of Guangzhou Medical University

計嗣河教授

梁顯利長者健康視覺教授 科研眼科視光學講座教授 眼科視光學院

Prof To Chi-ho

Henry G. Leong Professor in Elderly Vision Health Chair Professor of Experimental Optometry School of Optometry

研究興趣 Research interests 前房水生理學及青光眼、近視基本機制及治療、視網膜退化 Aqueous humour physiology and glaucoma; myopia basic mechanism and treatment; retinal degenerations





伍尚美教授 康復治療科學系

Prof Shamay Ng Department of Rehabilitation Sciences

研究興趣 Research interests 中風患者的活動障礙、中風的康復治療 Movement disorders in patients with stroke; stroke rehabilitation

蔡及時教授 護理學院

Prof Thomas Choi Kup-sze School of Nursing

研究興趣 Research interests 醫護界別的人工智能應用 Health care applications with artificial intelligence



醫療及社會科學院院長獲授 勵學教授席及國際院士榮銜 FHSS Dean Receives Endowed Professorship And International Fellowship

恭喜康復治療科學系神經心理學講座教授暨醫療及社會科學院院長岑浩强教授,被委任為楊曾永儀 曾永馨腦神經心理學教授,岑教授亦獲美國心理科學學會頒授院士榮銜。該學會為一所國際組織, 透過頒發院士榮銜表彰持續對心理科學發展建樹良多的會員。

Congratulations to Prof David H.K. Shum, Chair Professor of Neuropsychology at PolyU's Department of Rehabilitation Sciences and Dean of FHSS, for becoming Yeung Tsang Wing Yee and Tsang Wing Hing Professor in Neuropsychology at PolyU! Prof Shum has also been elected as a Fellow of the Association for Psychological Science (APS), US. An international body, APS awards fellowships to recognise members who have made sustained outstanding contributions to the science of psychology.

物理治療學畢業生榮獲 本屆「傑出理大校友」 Outstanding PolyU Alumni Awardees 2019 Include 2 Physiotherapy Graduates



第十二屆「傑出理大校友」頒獎禮已於4月30日 舉行,當晚表揚了九位成就超卓的校友,當中包括 兩位康復治療科學系的畢業生。兩年一度的「傑出理大 校友」選舉由理大及理大校友會聯會合辦,旨在嘉許對所屬 專業及社會皆有卓越貢獻的理大畢業生。

兩位得獎的康復治療科學系校友分別為劉敏昌博士及吳俊霆 先生。劉博士現任沙田醫院、白普理寧養中心及沙田慈氏 護養院三間醫院的行政總監,是香港首位獲委任為醫院行政 總監的物理治療師。劉博士於2002年獲頒發香港特別行政 區好市民獎,以嘉許他撲滅罪行的英勇行為。他於2009年 榮獲行政長官社區服務獎狀,以表揚他致力在醫院推動義工 服務,以及組織義務醫護團隊為2006年四川地震生還者, 提供即場康復治療服務的貢獻。劉博士於2014年獲醫療管 理學會頒授榮譽院士銜。他現為理大實務教授、康復治療科 學系顧問委員會成員及理大康復治療科學系校友會會長。

吴俊霆先生除了是私人執業的物理治療師外,也是一位著名的越野比賽及攀山好手。他是第二位完攀世界八大最高峰的 香港攀山家,亦是成功登上珠穆朗瑪峰的第七位香港人。 吴先生熱心參與義工服務及慈善工作,於2018年榮獲國際 青年商會香港總會選為香港十大傑出青年(專業工作 界別)。他經常為本地及海外的國際運動比賽,例如世界 移植運動會擔任隨團物理治療師,並為香港風濕病基金會 制定復康計劃。吳先生亦將其不凡經歷輯錄成書,勉勵他人 努力向目標進發。 Among the 9 recipients honoured at the 12th Outstanding PolyU Alumni Award presentation ceremony on 30 April were Dr Herman Lau Mun-cheung and Mr Elton Ng Chun-ting, 2 graduates from the Department of Rehabilitation Sciences (RS). The biennial Outstanding PolyU Alumni Award scheme is jointly organised by PolyU and the Federation of PolyU Alumni Associations to recognise graduates who have gone on to make distinguished contributions professionally and in the wider community.

Dr Lau is the first physiotherapist to become Chief Executive of a hospital in Hong Kong, namely Shatin Hospital, Bradbury Hospice, and Cheshire Home, Shatin, in the Hospital Authority's New Territories East Cluster. He received a Good Citizen Award in 2002 from the Hong Kong Police for his commendable contribution in fighting against crime. In 2009, he was bestowed with a Hong Kong Chief Executive's Commendation for Community Service award for his leadership in growing a sizable volunteer service for the cluster's hospitals and for establishing a volunteer team for the on-site rehabilitation of survivors of the 2006 Sichuan earthquake. Since 2014, Dr Lau has been an Honorary Fellow of the Management Society for Healthcare Professionals. He is also Professor of Practice and a member of the Departmental Advisory Committee at RS, and President of the Rehabilitation Sciences Alumni Association.

Besides being a sports physiotherapist with his own private practice, Mr Ng is a notable trail runner, orienteer, and mountaineer. He is the second Hong Konger to have scaled the world's 8 highest summits and is the seventh to conquer Mount Everest. Mr Ng was chosen as one of the Ten Outstanding Young Persons 2018 (Professionals category) by Junior Chamber International Hong Kong in recognition of his dedication to volunteering and charitable causes. For example, he has served regularly as a team physiotherapist locally and overseas, such as for the World Transplant Games, and devised rehabilitation plans for the Hong Kong Arthritis and Rheumatism Foundation. Mr Ng has also inspired many through his books on his adventures.

電子動物對認知障礙症患者的療效及 跨學科研究的成功訣竅 Seminars on Effects of Animal Companion Robot on Dementia, and Succeeding in Interdisciplinary Research





公 醫療及社會科學院在4月2日及3日舉行了兩場傑出學者系列 講座,由澳洲格里菲斯大學昆士蘭孟席斯健康研究所 醫護實務及生存研究總監Wendy Moyle教授主講。Moyle教授 曾以電子動物代替活體動物治療認知障礙症患者,進行了三項 跨學科研究,於首場講座上與出席者探討了研究結果。在第二場 講座上,Moyle教授則分享了建立跨學科研究社群的專業見解。



Two FHSS Distinguished Lecture Series seminars were delivered on 2 and 3 April by Prof Wendy Moyle, Programme Director of the Healthcare Practice and Survivorship research programme at Menzies Health Institute Queensland, Griffith University, Australia. The first seminar examined the findings of 3 interdisciplinary studies led by Prof Moyle on the effects of using an animal companion robot as a safer alternative to live animal therapy for people with dementia. In the second seminar, Prof Moyle shared tips on developing an interdisciplinary research community.

認知障礙症患者除認知能力有所變化外,亦會出現如焦慮、 冷漠、孤獨、遊盪及其他的行為和心理症狀。業界往往偏向採用 心理社會方式而非藥物治療以紓緩患者症狀。Moyle教授的三項 研究,其中最大型的隨機對照研究,是探討認知障礙症患者使用 互動電子海豹,又名「PARO」,以進行非輔助性治療的成效。 研究團隊自2013年至2017年期間,於昆士蘭州東南部的28間 長期護理機構,招募415名年齡在60歲或以上的認知障礙症 患者,他們接受為期10星期、每週三次、每次15分鐘的治療。 參與者被隨機分配到三個研究組別,分別採用正常運作PARO 或模仿PARO關機狀態的毛絨玩具進行治療,以及接受 日常護理的照顧。

研究結果顯示,參與的長者反應各異。不過整體來說,研究人員 發現PARO及毛絨玩具,對早期至中期的認知障礙症患者具有 一定療效,至於療效的持續性則有待進一步研究。研究亦發現, 當比較他們的面部表情時,參與PARO組或毛絨玩具組的長者, 明顯較接受日常護理的長者為多;而當相比PARO組及毛絨玩具 組的長者面對PARO時的表現,PARO組的長者明顯地與他們 正常運作的PARO有更多的互動;而對比毛絨玩具組和日常護理 組時,PARO組的長者則較少出現遊盪的情況。

Moyle教授在第二場講座上指出,跨學科研究或會因為不同 取向、期望、準則以及不同的專門用語而變得困難重重,這樣更 會導致研究的性質變成多學科而非真正的跨學科。她透露,在她 參與眾多的研究項目當中,最理想及最成功的跨學科研究,是與 科研團隊先進行一些較小型的跨學科研究項目,以確定各學者的 目標一致及藉此建立信任及默契,隨後才擴展相關研究。此外, 她亦建議參與研究的學者可輪流擔任領導角色,以應對學術界 「不登則廢」的普遍問題。她亦建議各學院應教授有關跨學科 研究的技巧,也為較年輕的學者提供協助及指導。 Besides cognitive changes, dementia can also have behavioural and psychological symptoms such as agitation, apathy, loneliness, wandering, and so on. Psychosocial methods are preferred over medication for reducing symptoms. The 3 studies included the largest randomised controlled trial on the effects of non-facilitated therapy sessions using an interactive baby harp seal robot called a "person assistant robot" or "PARO" on dementia patients. From 2013-17, 28 long-term care facilities in South East Queensland with a total of 415 dementia residents aged 60 years or older were randomly assigned to undergo 10 weeks of 15-min therapy sessions 3 times a week using a functioning PARO, or an identical plush toy in the form of a switched-off PARO, or their usual care.

The studies showed varied responses among and within individuals. Nevertheless, in general, the researchers found that the PARO and to a lesser extent the plush toy were beneficial for people with early to mid-stage dementia, although further studies are needed to explore the long-term sustainability of the effects. The PARO and plush toy groups displayed significantly fewer emotionless facial expressions than the usual care group, with participants being significantly more visually and verbally engaged with the PARO than their peers were with the plush toy. The PARO group also wandered less than the plush toy group and lesser so when compared with the usual care group.

In the second seminar, Prof Moyle said interdisciplinary research collaborations could be fraught with difficulties stemming from different approaches, expectations, standards, and terminology inherent in different disciplinary. This could result in research that is multidisciplinary and not truly interdisciplinary. She revealed that her most rewarding interdisciplinary studies were those that involved scholars whom she had worked with previously in smaller interdisciplinary projects and whom proved able to collaborate synergistically. To address the 'publish or perish' problem of academia, she suggested that collaborators could take turns to be the lead author. She also recommended that interdisciplinary research skills be taught and junior scholars be mentored.



研討會探討壓力及 高脂飲食對幼腦發育的不良影響 Seminar on Stress and High-Fat Diet On Juvenile Brains

世界各地愈來愈多成人有肥胖問題,而令人更擔憂的是,肥胖兒童的數字亦不斷上升。香港 政府統計資料顯示,本港介乎15至84歲的人士當中,50%有過重或肥胖問題,而有37.5%的 本港小學及中學生屬於過重或肥胖。此外,同樣令人擔憂的是,根據香港肥胖醫學學會2018年的一項調 查發現,僅有44%的本港成年人似乎意識到肥胖可引致如糖尿病、癌症及心血管疾病等病患。若父母 不理解肥胖可帶來的健康問題及後果,他們也許不會多加注意子女的飲食習慣。醫療及社會科學院 於5月29日舉行了研討會,來自以色列海法大學的Mouna Maroun教授談及另一個值得父母 關注的潛在健康問題:尤如壓力會影響腦部發展一樣,高脂飲食或會對兒童腦部發展有不良影響。

Obesity is on the rise around the world among adults and, more worryingly, children. Government surveys show that 50% of all people in Hong Kong aged 15-84 years old are overweight or obese, and 37.5% of primary and secondary school students are overweight or obese. A less visible but equally alarming statistic is that only 44% of Hong Kong adults seem aware that obesity can lead to diseases such as diabetes, cancer, and cardiovascular diseases, according to a 2018 poll by the Hong Kong Association for the Study of Obesity. If parents are oblivious to the possible health consequences of obesity, they may not care about what their children are eating. In an FHSS seminar on 29 May, Prof Mouna Maroun from Israel's University of Haifa spoke about yet another possible health consequence that may concern parents: a high-fat diet could negatively affect children's brains in the same way that stress can.





Maroun教授為海法大學莎高神經生物學系情緒神經生物學實驗室主任,她引用與腦部相關的研究結果並得出結論,推斷用來做實驗的年幼動物對壓力和高脂飲食似乎啟動了相同的腦部機制。

人體大腦杏仁核掌管恐懼和危急反應,而內側前額葉皮層則負責更高層次的執行功能。在兒童階段, 大腦的前額葉皮層尚未完成發育。以往的動物實驗證明,催產素荷爾蒙可透過影響杏仁核或內側前額葉 皮層的主導性來調節恐懼反應。當動物面對急性或長期壓力時,腦部杏仁核的主導性便會增加。 Maroun教授和她的團隊採用了同齡對照組的方式進行實驗,發現幼鼠的內側前額葉皮層被注入微量的 催產素後,其恐懼程度並未如大鼠那樣減少。相比之下,當幼鼠的杏仁核被注射微量的催產素後,其 恐懼程度有所增加,反應與大鼠相同。Maroun教授和團隊亦發現,幼鼠在進食長達三個月的高脂食物或 短期的10天高脂飲食後,與杏仁核相關的腦部功能會增強,而進食高脂食物的大鼠卻沒有出現相同狀 況。與此同時,其他的研究團隊發現,進食高脂食物的幼鼠其內側前額葉皮層的催產素量會減少,牠們 的認知記憶力與幼鼠對照組相比亦有下降現象,證明高脂食物對幼鼠的腦部發展有負面影響。

Prof Maroun, who is Head of the Laboratory for Neurobiology of Emotions at the Sagol Department of Neurobiology, cited findings from brain-related studies to conclude that the same brain mechanisms are seemingly activated in juvenile test animals in response to stress and to a high-fat diet, respectively.

The amygdala is involved in regulating primitive fear and 'fight or flight' responses, while the medial prefrontal cortex is involved in higher executive functions. The prefrontal cortex is underdeveloped in children. Previous animal studies have demonstrated that the hormone oxytocin regulates fear by influencing the dominance of either the amygdala or the medial prefrontal cortex. The dominance of the amygdala is increased in animals that are under acute or chronic stress. Using age-matched controls, Prof Maroun and her collaborators detected that the levels of fear in juvenile rats did not diminish after their medial prefrontal cortex was administered with microinjections of oxytocin, unlike the levels in adult rats. In contrast, after the administration of oxytocin microinjections into the amygdala, fear was enhanced in juvenile rats, which was the same reaction as adult rats. They also found that juvenile rats fed on a 3-month high-fat diet to adulthood or a short 10-day high-fat diet as juveniles showed enhanced amygdala-related functions, whereas adult rats fed on the high-fat diets did not. Other research teams have observed that juvenile rats fed on a high-fat diet experienced a decrease in oxytocin levels in their medial prefrontal cortex and a decline in their social recognition memory compared with juvenile controls.

工作坊分享研究計劃書成功竅訣 Workshop on Successful Grant Writing

醫療及社會科學院於9月3日為學院教員舉辦名為「Give Me 5」的工作坊,分享構思、 籌劃及撰寫研究計劃書的成功要訣。是次工作坊的四位學者皆曾成功申請研究資助局 的科研資金,對評審過程熟悉,他們為席上的教職員分享了研究計劃書的五大成功竅訣。

應用社會科學系副系主任陳高凌教授指出,研究計劃書應說明其研究的重要性或影響力, 他亦建議先進行試點研究,了解需要完善之處後,才開始後續的研究。護理學院智能健康 研究中心總監蔡及時教授則強調,研究計劃書應環繞一項突出、有趣而且創新的問題, 而研究結果亦應具備臨床應用價值。另一方面,康復治療科學系彭耀宗教授認為研究計劃書 應針對一項重要的知識缺口作出回應,並由不同學科成員組成強大團隊,於建議的研究中 各司其職。他亦勉勵各研究員,即使未能成功申請研究資助也不要放棄。醫療及社會科學院 院長岑浩强教授則建議,計劃書應清楚說明有關研究如何推動知識發展,而研究人員亦應 充分了解研究計劃書的具體評審準則。

On 3 September, FHSS held a "Give Me 5" workshop for its faculty members on how to come up with, organise, and write successful research proposals. Each of the 4 FHSS guest speakers, who have experience of successfully securing funding from Hong Kong's Research Grants Council for their research proposals, presented their top 5 tips.

Prof Edward Chan Ko-ling, Associate Head at our Department of Applied Social Sciences, said a research proposal should state how its study is significant or impactful. He also suggested conducting a pilot study to learn where refinements are needed before embarking on more substantial baseline and follow-up studies. Prof Thomas Choi Kup-sze, Director of our School of Nursing's Centre for Smart Health, stressed that a research proposal should centre on a salient, interesting and innovative question, and its findings be potentially relevant clinically. Prof Marco Pang from our Department of Rehabilitation Sciences said a research proposal should address an important, well-defined knowledge gap and have a strong research team comprising members from different disciplines who will play clear roles in the proposed study. He also encouraged researchers not to give up if their research proposals are unsuccessful. FHSS Dean Prof David H.K. Shum recommended ensuring that research proposals are very clear on how they can make original and significant contributions to knowledge, and for researchers to know the specific evaluation criteria against which their proposals will be judged.











研討會介紹 Qualtrics 網上問卷調查工具 Seminar on Qualtrics Online Survey Tool

醫療及社會科學院於4月30日舉辦研討會,向教職員及研究生介紹Qualtrics的應用方法。Qualtrics為一種網上問卷調查軟件,方便使用者設計不同類型的問卷,並按需要製作不同類型的報告,以作科研和教學用途。

是次研討會邀請三位學院教職員,於會上介紹Qualtrics一系列實用功能,並分享在研究工作 上使用該軟件的經驗。應用社會科學系導師陳顯宏博士簡單介紹了該軟件,以及如何使用Qualtrics對教學項目作出評 估。應用社會科學系博士後研究員吳子傑博士,則概述了軟件可為橫向、實驗性和縱貫等各種研究設計收集數據。而 護理學院副教授袁偉文博士,則比較了採用Qualtrics與另一款理大常用的網上調查工具MySurvey,為其團隊在edX平台 開辦的短期網上公開課程進行課前及課後調查。

FHSS organised a seminar on 30 April for its staff and students on the use of Qualtrics, an online survey software that enables users to create different kinds of surveys and generate reports for their research, teaching and learning needs.

Three FHSS staff members introduced a range of Qualtrics features they found useful and shared their insights from using the software in their work. Dr Kevin Chan Hin-wang, Instructor at PolyU's Department of Applied Social Sciences (APSS), gave an overview of the software and how it could be used for evaluation in teaching and learning projects. APSS Postdoctoral Fellow Dr Jacky Ng Chi-kit outlined functions in the software that help to collect data for different research designs such as cross-sectional, experimental, and longitudinal, which have their own distinctive settings. Dr John Yuen Wai-man, Associate Professor at PolyU's School of Nursing, compared the use of Qualtrics and MySurvey, another online survey tool commonly utilised at PolyU, for conducting pre- and post-course surveys in a short massive open online course (MOOC) his team created for the edX platform.



新一屆醫療及社會科學院會 Helping Undergraduates Make Most of Their Student Life

第二十六屆的醫療及社會科學院會以「Dare2Seize」為名,由學院內的 一群本科生組成幹事會,希望透過建立友誼與互助精神,讓學院內的同學 充分體驗大學生活。幹事會取名「Dare2Seize」,致力打破醫療及社會科學院 同學之間的隔膜,增進聯繫溝通,讓彼此認識各個醫療社科專業。

This academic year sees the 26th FHSS Students' Association (FHSSSA) being led by "Dare2Seize," a cabinet comprising a team of FHSS undergraduates who want to help their peers in the faculty make the most of their student life through friendship and mutual support. The team call themselves "Dare2Seize" to reflect their mission of cultivating bonds and communication among fellow students, regardless of whether they are studying a health science or an applied social science discipline.



今屆幹事會會長李述欣同學是應用社會科學系社會政策 及行政二年級學生,她表示:「內閣名字選取『Dare2 Seize』,是因為它包含了我們的幾個目標。首先,『Dare』 一字表明我們願意面對任何困難,並竭盡所能為同學爭取 應有的福利和權益。而『2』這數字代表著幹事會樂於與 同學溝通,了解他們的需要,亦鼓勵同學表達意見以助 我們改進。此外,『2Seize』的英文發音,跟『2』和『6』 相近,代表我們是第二十六屆醫療及社會科學院會的 幹事。而『Seize』則意味著我們將把握所有機會,以協助 及服務同學為本。」

李同學表示,透過營造融洽的氣氛和舉辦不同活動, 「Dare2Seize」希望讓學院同學過著更豐盛的理大生活, 以及共同締造美好的校園回憶和不渝的友誼。她說: 「我們希望凝聚同學對學院會及學院的歸屬感,令他們不 論面對順境逆境也能互相扶持。」

「Dare2Seize」已於8月為學院新生舉辦了迎生營,透過不同的集體遊戲鼓勵同學互相認識。幹事會亦計劃來年為同學籌辦運動日、歌唱比賽、賣物會以及其他精采活動,讓同學渡過豐盛的校園生活。

有關詳情及最新消息請留意「Dare2Seize」的Facebook 專頁facebook.com/Dare2Seize或Instagram:@26fhsssa_ dare2seize。 "We chose 'Dare2Seize' as the name of our cabinet because it embodies several of our goals," said Miss Angela Lie Shut-yan, President of the 26th FHSSSA and a Year 2 student of social policy and administration at the Department of Applied Social Sciences. "Firstly, the word 'Dare' affirms our readiness to face any obstacles and willingness to strive for our fellow students' best interests. The number '2' refers to communication between the students and the cabinet — we are always willing to listen, and we encourage students to give us feedback to help us improve further," she explained. "Also, '2Seize' sounds similar in Cantonese to '2, 6', signifying that we are the 26th cabinet of FHSSSA. And the word 'Seize' points to our principle of helping and serving our fellow students whenever there is an opportunity," Miss Lie added.

By creating a congenial atmosphere and organising social activities, Miss Lie hopes that Dare2Seize will be able to help fellow students form lasting memories and friendships through a full, fruitful university life. "By instilling a sense of belonging among students to the association and to the faculty, we hope they will support one another during good and bad times," she said.

Using large group games to encourage mixing and collective efforts, "Dare2Seize" held a successful orientation camp for FHSS freshers in August. The cabinet also plans to host a sports day, a singing contest, a mega sale, and other events during the coming year for all FHSS students.

Look out for more details and updates on Dare2Seize's Facebook page at facebook.com/Dare2Seize or Instagram: @26fhsssa_dare2seize.

創新科技獎學金計劃 FHSS Students Shine in Innovation and Technology Scholarship Award Scheme 2019

醫療及社會科學院三名本科生,榮獲2019年創新科技獎 學金,頒獎禮已於4月1日假座香港會議展覽中心舉行。今 年共有25位得獎學生,分別在本港各大院校修讀科學、 工程、醫學或醫療有關的學科,憑藉他們優秀的學術成績、 對創新科技的投入熱忱、良好的溝通技巧,以及整體表現卓越 而獲選。25位獲獎同學均得到港幣15萬元的獎學金,讓他們前 往海外或國內頂尖院校暫讀,跟隨知名學者及專家學習,以及 鼓勵他們參與本地實習及社區服務活動。

創新科技獎學金計劃由香港青年協會主辦,並得到香港特區 政府創新科技署及香港上海匯豐銀行鼎力支持及贊助。

謹此恭賀本屆所有得獎同學!

Three FHSS undergraduates have been awarded Innovation and Technology Scholarships 2019 at the scholarship scheme's award presentation ceremony on 1 April at the Hong Kong Convention and Exhibition Centre. They were among 25 recipients who are studying science, engineering, medicine, or health-related disciplines in Hong Kong. Awardees were selected for their impressive academic performance, enthusiastic commitment for innovation and technology, good communication skills, and all-roundedness. They each received a grant of up to HK\$150,000 for expenses to participate in a relevant event or study overseas or on the Chinese mainland, for mentoring by a local expert, to take part in local community projects where they could apply their skills and knowledge, or for undergoing an optional local internship.

The Innovation and Technology Scholarship Award Scheme is organised by the Hong Kong Federation of Youth Groups and is jointly supported by Hong Kong's Innovation and Technology Commission and jointly sponsored by the Hongkong and Shanghai Banking Corp Ltd.

Congratulations to all the awardees!



AWARD PRESENTATION CEREMONY 創新科技獎學金 頒獎典禮

得獎人 Awardee	醫療及社會科學院學系 / 學院(本科課程) FHSS Department / School (Undergraduate Programme)
梁浩揚同學 Mr Leung Ho-yeung	康復治療科學系物理治療學(榮譽)理學士學位三年級 Department of Rehabilitation Sciences (Physiotherapy, Year 3)
李家亮同學	醫療科技及資訊學系醫療化驗科學(榮譽)理學士學位 二年級
Mr Li Ka-leong	Department of Health Technology and Informatics (Medical Laboratory Science, Year 2)
鄧康堯同學	醫療科技及資訊學系醫療化驗科學(榮譽)理學士學位 二年級
Miss Tang Hong-yiu	Department of Health Technology and Informatics (Medical Laboratory Science, Year 2)

頂尖博士生匯聚理大 Attracting the Best PhD Students to PolyU

 為吸引世界各地優秀的研究生來港修讀全日制博士 學位課程,香港研究資助局設立了極具吸引力的 「香港博士研究生獎學金計劃」,為獲獎的博士研究生提 供每月津貼,以及參與會議和研究活動的年度交通津貼, 為期三年。此外,理大將為獲頒獎學金的博士研究生提供 額外資助,包括常規修讀年期內學費全免和保證兩年學生 宿舍住宿;如博士研究生有需要修讀第四年,理大或會提 供每月津貼,以及等同研究資助局所發金額的會議及研究 活動交通津貼。來自菲律賓的Laurence Lloyd Parial先生以 及本地的馬琬媛小姐獲頒此獎學金,並將由2019/20學年 起,修讀博士學位課程。護理學院的Parial先生將專門研究 老年學,而眼科視光學院的馬小姐則專注近視研究。 To attract the most talented students from around the world (including Hong Kong) to pursue full-time PhD studies in Hong Kong, the city's Research Grants Council (RGC) operates the competitive Hong Kong PhD Fellowship Scheme, which offers awardees a monthly stipend and a yearly travel allowance for conference and research purposes for a maximum of 3 years. On top of these, PolyU offers its own additional incentives for potential fellowship awardees to study at the university, namely an annual tuition fee waiver for the whole of their normal study period, guaranteed student hall accommodation for 2 years, and, if necessary, a 4th year of monthly stipends and a travel allowance mirroring those of the RGC's. Awardees Mr Laurence Lloyd Parial from the Philippines and Miss Jessica Ma Yuen-wuen from Hong Kong will be beginning their doctoral studies in gerontology at PolyU's School of Nursing and in myopia at PolyU's School of Optometry, respectively, in the 2019/20 academic year.

陳祺祺 Chen Qiqi

應用社會科學系 Department of Applied Social Sciences

王珊珊 Wang Shanshan

護理學院 School of Nursing



醫療及社會科學院兩位博士生榮獲富布萊特(香港)學人計劃資助, 將於2019/20學年前赴美國兩所大學從事學術研究,計劃由美國駐港澳總領事館及香港研究資助局合辦。獲獎的陳祺祺同學來自應用社會科學系, 她將前往芝加哥大學進行有關美國與中國的保護兒童政策的比較研究,旨在 詳細探討在國際和中國背景下對家庭多重受害的社會文化因素和綜合性評估, 以減少家庭暴力事件。與此同時,另一位得獎者為護理學院的王珊珊同學, 將會前往約翰‧霍普金斯大學進行學術研究。有見認知障礙症患者的照顧者 往往缺乏時間、途徑或動力在社區內尋求協助,她將探討及評估為這類照顧者 而設的全新個人自助手冊的效益。

Two FHSS PhD students have been awarded grants under the Fulbright–RGC Hong Kong Research Scholar Award Programme, enabling them to conduct research at tertiary education institutions in the US in the 2019/20 academic year. The programme is a collaboration between the US Consulate General in Hong Kong and Macau and Hong Kong's Research Grants Council. Awardee Miss Chen Qiqi from the Department of Applied Social Sciences (APSS) will be based at the University of Chicago for her placement to conduct a comparative study on child protection policies in the US and China. She aims to detail more culturally sensitive and integrative assessments for family polyvictimisation to help reduce family violence. Meanwhile, awardee Miss Wang Shanshan from the School of Nursing will spend her placement at Johns Hopkins University to examine and evaluate the effectiveness of a new personal self-help guidebook for carers of people with dementia living in the community since such carers tend not to have the time, access or motivation to look for support in the community for themselves.

梁家宸 Liang Jiachen

應用社會科學系 Department of Applied Social Sciences



應用社會科學系博士生梁家宸先生,榮獲歐亞太平洋 大學聯盟頒發Ernst Mach Grant獎學金。該獎學金由奧 地利教育與研究國際合作機構(OeAD-GmbH)/國際合作與流 動中心(ICM)資助,讓獲獎學生前往奧地利的大學進行學術 研究。這項競爭激烈的研究獎學金計劃,是歐亞太平洋大學 聯盟為中國的夥伴大學,包括理大等在港夥伴院校的博士生 而設。梁先生將於2019年12月起,在奧地利維也納大學東亞 研究系專門從事現代中國研究的學者之指導下,開展其「中 國公眾對互聯網控制和監管的看法」為期6個月的研究工作。

APSS PhD candidate Mr Liang Jiachen has been awarded a scholarship by Ernst Mach Grant – Eurasia-Pacific Uninet, which is financed by the Austrian Federal Ministry of Education, Science and Research, to undertake research at an Austrian university. The competitive research grant scheme is open to doctoral students from Eurasia-Pacific Uninet's partner universities in China, including partner institutions in Hong Kong such as PolyU. Under the supervision of a Sinologist at the University of Vienna, Mr Liang will be spending 6 months from December 2019 to conduct his research on the public perceptions of Internet control and regulation in China.

張遠鵬博士 Dr Zhang Yuanpeng

醫療科技及資訊學系 Department of Health Technology and Informatics



來自中國江蘇省南通大學的張遠鵬博士,將透過「香江學者計劃」在本學年開始出任理大醫療科技及資訊學系博士後研究員,為期兩年。他將會進行題為「人工智能在基於磁力共振的自動放療計劃的應用」的研究。「香江學者計劃」由香港學者協會及中國人力資源社會保障部轄下的全國博士後管委會辦公室合辦,旨在結合香港與內地的研究人才和資源,在本港大學的資深學者指導下,培養出色的內地博士後研究員,同時加強內地與香港的學術交流。

Dr Zhang Yuanpeng from Nantong University in Jiangsu province, mainland China, will join PolyU's Department of Health Technology and Informatics as Postdoctoral Fellow for 2 years through the Hong Kong Scholar Program this academic year. He will be working on a research project titled "Automated MRI-based radiotherapy treatment planning using artificial intelligence." Jointly run by the Society of Hong Kong Scholars and the China National Postdoctoral Council under the Ministry of Human Resources and Social Security, the Hong Kong Scholar Program aims to pool research talent and resources of Hong Kong and the mainland to train outstanding mainland postdoctoral fellows under the supervision of experienced academics in Hong Kong universities.

理大醫療及社會科學院學者獲國際肯定 International Recognition for FHSS Scholars



胡志城教授 Prof George Woo

眼科視光學院 School of Optometry

理大眼科視光學院榮休教授及高級顧問胡志城教授於6月13日在加拿大滑鐵盧大學的
畢業典禮上,獲頒授榮譽理學博士學位,以表揚他數十年來對滑鐵盧大學,以至全
世界於眼科視光學的教學、研究和實踐方面作出莫大貢獻。胡教授亦為滑鐵盧大學眼科視光
學榮休教授及校友,並曾任世界眼科視光學會及亞太眼科視光學會主席。

Prof George Woo, Emeritus Professor of Optometry and Senior Advisor at PolyU's School of Optometry, was bestowed with an honorary degree of Doctor of Science, honoris causa, by Canada's University of Waterloo at a convocation ceremony on 13 June. Prof Woo is also Professor Emeritus of Optometry and an alumnus of Waterloo. The university conferred its highest honour on Prof Woo in recognition of his immense contributions to the education, research and practice of optometry at Waterloo, in Canada, and internationally over many decades. Prof Woo is a former President of the World Council of Optometry and the Asia Pacific Council of Optometry.

莫禮士教授 Prof Alex Molasiotis



護理學院 School of Nursing

理大護理學院劉陳小寶健康延年教授、講座教授及學院 主任莫禮士教授,憑藉題為「以等待名單對照實驗評估 利用針灸紓緩因化療引起的周邊神經病變的成效」的論文摘 要,榮獲國際癌症支持性照護學會內的神經病變研究小組頒 發2019年傑出論文摘要獎。此外,莫教授最近被特區政府的 醫療衞生研究基金委任為評審撥款委員會主席,任期兩年。

Prof Alex Molasiotis, who is Angel S.P. Chan Lau Professor in Health and Longevity, Chair Professor of Nursing, and Head of PolyU's School of Nursing, received an Outstanding Abstract Award 2019 from the Multinational Association of Supportive Care in Cancer's Neurological Complications Study Group for his abstract titled "A randomised assessor-blinded wait-list controlled trial to assess the effectiveness and cost-effectiveness of acupuncture in the management of chemotherapy-induced peripheral neuropathy." On a separate note, Prof Molasiotis has been appointed as Chairperson of the Grant Review Board for the Hong Kong government's Health and Medical Research Fund for a term of 2 years.



康復治療科學系 Department of Rehabilitation Sciences

理大康復治療科學系助理教授黃宇樂博士率領由來自 三個國家六所院校的九位跨學科成員組成的研究團 隊,於4月在三藩市舉行的第十四屆脊柱側彎矯形和康復治療 協會國際會議上,以研究論文題為「青少年特發性脊柱側彎 患者的脊柱畸形與肺功能有關嗎?系統評價和薈萃分析」, 勇奪2019年度論文獎。

A research team led by Dr Arnold Wong, Assistant Professor at PolyU's Department of Rehabilitation Sciences, won a 2019 SOSORT Paper Award at the 14th International Meeting of the Society on Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT) in April in San Francisco. Their research paper is called "Are lung functions related to spinal deformities in patients with adolescent idiopathic scoliosis? A systematic review and meta-analysis." The 9 members of the interdisciplinary team came from 6 institutions in 3 countries.

職業治療學學生勇奪 i-CREATe 2019 國際比賽金銅兩獎 Occupational Therapy Student Teams Win Gold and Bronze Medals at i-CREATe 2019

★ 理大康復治療科學系職業治療學兩隊學生隊伍,於8月26日至29日在澳洲坎培拉 ■ 舉行的第十三屆國際康復工程及輔助科技會議(i-CREATe)上,摘下「世界大學生 創新挑戰賽」之「設計組別」的金、銅兩獎。

由四年級學生陳偉迪、甄愛慧、盧浩欣、馮子晴以及三年級學生陶曉峰組成的隊伍, 以名為「Snaker Spoon」的創新發明奪金。這支可摺疊或扭曲的湯匙,適合復康人士或 難以使用普通湯匙進食的人士使用。「Snaker Spoon」的三個組件由內置彈弓連接組 成,中空的大手柄連接著可扭曲的雙接頭,再連接到湯匙部份,以增加靈活性;而雙接 頭與手柄內的磁石,則可穩定其扭曲角度,以達至最理想的效果。

此外,三年級學生毛凱怡、王曉恩、陳夢妮、劉惠敏與徐紫筠組成的隊伍,憑藉名為「Nailed it!」的作品勇奪銅獎。這個創新設計的指甲鉗輔助器,專為捏力弱或手指靈活度較差的人士而設。他們使用市面的指甲鉗時,往往需要拇指和食指準確地使勁擠壓; 而「Nailed it!」則利用使用者的手掌發力來操作。「Nailed it!」以一個「R」形大手柄加 上頂部的金屬環組成,中間可放置一個打開的普通指甲鉗。當使用者用手掌握著手柄 時,金屬環會相應把指甲鉗的扳手拉低,從而剪掉指甲,因此不會對手指關節添加壓力。



Two occupational therapy student teams from PolyU's Department of Rehabilitation Sciences (RS) won the Gold and Bronze Awards (Design Category) of the Global Student Innovation Challenge for Assistive Technology at the annual International Convention on Rehabilitation Engineering and Assistive Technology (i-CREATe) on 26-29 August in Canberra, Australia.

Then Year 4 students Ivan Chan Wai-dik, Iris Yan Oi-wai, Lulu Lo Ho-yan, Kristy Fung Tsz-ching, and Year 3 peer Hugo To Hiu-fung received the gold for their "Snaker Spoon" invention, a foldable, twistable spoon for anyone who has difficulty eating with standard or fixed-angle spoons. The "Snaker Spoon" comprises 3 parts that are joined linearly by an internal spring: a spoon part, which is attached to a highly twistable double joint, which is in turn attached to a large hollow handle. Magnets in the double joint and handle keep the desired twisted angles in place.

Meanwhile, then Year 3 students Elaine Mo Hoi-yi, Annie Wong Hiu-yan, Monica Chan Mung-ni, Lau Wai-man, and Chiu Tsz-kwan won the bronze for their "Nailed It!" nail clipper aid for anybody who has weak or poor finger strength or dexterity. Using a nail clipper usually requires the user to make a very precise, strong pinching force between his or her thumb and index finger. "Nailed It!" utilises the strength of the user's whole hand to clip a nail. It consists of a large 'R'-shaped handle with a top metal loop, between which an opened normal nail clipper can be secured. When the user squeezes the handle with his or her hand, the loop pulls down the nail clipper's lever, clipping the nail.

康復治療科學系加強與其他大學合作 Department of Rehabilitation Sciences Strengthens Collaborations with Other Universities

建大康復治療科學系與美國威斯康辛大學麥迪遜分校康復心理學及特殊教育學系 有著長期的合作關係,雙方於5月22日簽訂合作備忘錄,進一步加強雙方在教育及 科學研究的合作。另一方面,康復治療科學系於5月31日與香港大學深圳醫院簽署了另一 份合作備忘錄,以擴展雙方的夥伴關係以及推動大灣區康復專才的發展和培訓。雙方將會 從事學術及學生交流活動、進行臨床研究合作並提供培訓及支援服務。

PolyU's Department of Rehabilitation Sciences (RS) has a long-standing relationship with the Department of Rehabilitation Psychology and Special Education, University of Wisconsin–Madison, US. Both departments signed a memorandum of understanding (MOU) at PolyU on 22 May to deepen their collaboration on educational and scientific research. Shortly afterwards, RS also signed an MOU with the University of Hong Kong–Shenzhen Hospital on 31 May in Shenzhen to expand their partnership as well as to advance the development and training of rehabilitation professions in the Greater Bay Area. They will engage in academic and student exchanges, collaborate on clinical research, and provide training and support for services.

、學深圳醫院與香港理工大學合作備





醫療及社會科學院夏季體驗營 PolyU Summer Programme for Prospective Students

路療及社會科學院轄下的學系/學院與前理大中學事務拓展組通力合作,在6月及7月的「2019理大暑期」 「」」「活動」中為本地中學及國際學校的學生舉辦了一系列校園體驗活動。

逾150名中四及中五學生參加了本年度的大學體驗活動,各同學按照個人興趣,選擇各學系/學院安排的活動, 包括醫療化驗科學、放射學、護理學、精神健康護理學、眼科視光學、物理治療學、社會工作,以及社會政策及 社會創業八個專業範疇。透過參觀各學院/學系的教學和研究設施及診所、參與實驗、了解臨床實習工作、進行 角色扮演遊戲、出席醫療及社會科學院學生和校友主講的分享環節,以及參與跟應用社會科學相關的校園尋寶 遊戲,同學們可深入了解課程內容、收生資格,以及畢業生出路。部份同學參加了眼科視光學院的視覺篩查 技巧訓練後,更可聯同學院的學生一同前往社福機構為市民提供視覺篩查服務。

In June and July, all FHSS constituent departments and schools worked with PolyU's then Secondary Schools Relations Section to offer day-long events for the university's Summer Programme 2019 for local and international secondary school students in Hong Kong.

More than 150 Form 4 and 5 pupils learned about many of our departments and schools' undergraduate programmes, their admission requirements, and career prospects, specifically in medical laboratory science, radiography, nursing, mental health nursing, optometry, physiotherapy, social work, and social policy and social entrepreneurship. Depending on which undergraduate programme they were interested in, the pupils were guided on tours of teaching and research facilities and clinics, gained hands-on experience in laboratory workshops or practical sessions, took part in clinical attachments, participated in educational role playing, attended sharing sessions by FHSS students and alumni, and went on a campus-wide treasure hunt featuring applied social science-related mini games. Pupils who had received vision screening training during their day camp for optometry also joined an outreach activity with optometry undergraduates to provide community vision screening under supervision in a non-governmental organisation.



理大學生大使加強學院與公眾聯繫 PolyU Student Ambassadors Helping to Liaise with the Public



理大教務處委任了八位醫療 及社會科學院的本科生, 擔任新學年的理大學生大使,委 任典禮已在9月6日舉行。新一屆 的理大學生大使,將肩負重任, 於理大不同的活動上,如每年的 理大教育資訊日及畢業禮等,協 助推廣大學和學院予公眾認識。 我們的學生大使非常樂意與各位

對理大有興趣或有意報讀理大課程的人士,介紹他們修讀的醫療社科 課程,以及分享校園生活的體驗。 Eight highly motivated FHSS undergraduates have been appointed as PolyU Student Ambassadors for the new academic year by the university's Academic Registry at an inauguration ceremony on 6 September. They will serve in a liaising role to help promote the university and the faculty in outreach and formal events such as PolyU's annual Info Day and Congregation. Our student ambassadors are more than happy to chat with interested members of the public and prospective students about their first-hand experiences of being a student on our health or human services programmes and about student and campus life at PolyU.

If you see them on duty, please feel free to approach our student ambassadors if you would like to know more about being a student at FHSS or PolyU!

各位如在理大遇到學生大使,隨時歡迎跟他們傾談!

學生大使	修讀學科	學生大使	修讀學科
Student Ambassador	Discipline	Student Ambassador	Discipline
林嘉鴻	精神健康護理學三年級	陳怡	放射學四年級
Mr Dennis Lam Ka-hung	Mental Health Nursing, Year 3	Miss Ashley Chan Yee	Radiography, Year 4
呂詠霖	護理學五年級	黃寶欣	放射學四年級
Miss Winnie Lui Wing-lam	Nursing, Year 5	Miss Yanny Wong Po-yan	Radiography, Year 4
周曉瑩	職業治療學二年級	林樂媛	社會政策及行政四年級
Miss Olivia Chow Hiu-ying	Occupational Therapy, Year 2	Miss Chloe Lam Lok-wun	Social Policy and Administration, Year 4
趙燁	社會工作二年級	譚嘉瑜	社會政策及行政三年級
Miss Phyllis Zhao Ye	Social Work, Year 2	Miss Monica Tam Ka-yu	Social Policy and Administration, Year 3

香港家庭快樂指數 Hong Kong Family Happiness Index

聖大護理學院助理教授林清博士獲和富社會企業「香港開心D」委託, 由李錦記家族基金贊助,進行2019年度的「家庭開心指數調查」。 林博士及其研究團隊於7月10日至26日期間,以街頭訪問形式成功向1,005位受訪 者進行調查,而是次調查並沒有包含社會原素等外來環境因素。調查結果 顯示,以10分為滿分計算,香港家庭快樂指數平均為6.89,較2018年高出0.31, 近八成受訪者表示家庭快樂;惟近五成受訪者因為「羞於啟齒」、 「認為沒有必要」或「不懂得怎樣做」的緣故,而難以向家人透過「肯定的 言詞」表達愛意。調查亦發現,對家人多用正面積極的言詞有助改善家庭關係。



Dr Simon Lam Ching, Assistant Professor at PolyU's School of Nursing, was commissioned by HK.WeCARE of Wofoo Social Enterprises to conduct the 2019 edition of the Hong Kong Family Happiness Index Survey, which was sponsored by the Lee Kum Kee Family Foundation. The survey was carried out from 10-26 July by convenience sampling on the streets of the city and did not include external factors such as social problems. The survey's results showed that the 1,005 participants scored a mean of 6.89 out of 10 on the index, which was higher than that for the 2018 survey by 0.31. Some 80% of the respondents reported having a happy family life. Despite this, almost half of the respondents indicated they had trouble using words of affirmation to show their care or affection towards family members because of shyness, or they felt such words were unnecessary, or they did not know how to. The survey found family bonds were better with more positive affirmation between family members.

新網絡課程: 藉病者及跨界別合作改善健康成果 New Online Course on Improving Health Outcomes Through Patient and Interprofessional Collaboration

每當身體不適時,不少人向醫生及專業醫護人員 求助前,會主動上網搜尋可能的病因及治療方法。 不過,基於醫生及專業醫護人員皆經過專業培訓,病者往往 只能被動地接受他們的診斷和意見;假如病者基於任何原因 而沒有或不能遵照指示進行治療的話,他們的健康或會受到 影響。此外,部份醫生和專業醫護人員在筒倉心態的影響下, 可能會作出疏忽的診斷及不必要的重複護理,最終或會妨礙 病者的治療效果。為解決這種情況,以及教育公眾和業界人士 透過顧及病者偏好、首要考慮事項和個別情況,從而讓病者 參與治療方法的決策過程,理大護理學院最近在edX平台 開辦了「醫病共享決策與跨專業合作」短期大型開放式網絡課 程。

這個跨學科的網絡課程以劇情紀錄片形式,帶領觀眾進入 一位病者的歷程,藉此了解病者參與共同決策及跨界別合作 時,在治療過程的不同階段,如何令病者的健康得到改善。 這個網絡課程同時由不同醫護領域的知名專家,分享有關跨界 別合作的經驗和體會。 When people fall ill, many proactively consult Dr Google for possible causes and treatments before relying on real doctors and health professionals for help. However, knowing that doctors and health professionals are trained experts, patients then often become passive listeners, which can affect their health outcome if they do not or cannot comply with their treatment for whatever reason. Patient outcomes can also be hampered by the silo mentality of many doctors and health professionals, which can result in oversights and needless duplication of care. To address this and to educate the public and practitioners on how patients can be involved in decision making on treatment by taking into account their preferences, priorities, and circumstances, PolyU's School of Nursing (SN) recently introduced a massive open online course (MOOC) on "Shared Decision Making and Interprofessional Collaboration in Health Care" on the edX platform.

The interdisciplinary MOOC uses a docudrama to take participants along an ill patient's journey to learn how shared decision making with the patient and interprofessional collaboration can be applied at different stages to improve his health outcome. The MOOC also features renowned experts from different medical and health fields sharing their first-hand experiences of and insights from interprofessional collaboration.



請瀏覽以下連結以了解課程詳情及報讀方法: For more details and enrolment on the free MOOC, please visit: https://www.edx.org/course/shared-decision-making-and-interprofessional-collaboration-in-health-care



✤ 青少年生理及心理健康國際會議在港舉行 International Conference on Adolescent Health And Well-Being in Hong Kong

不少成人階段出現的非傳染性健康問題的成因,其實源自童年或青春期的不良習慣或 危險行為。醫療及社會科學院與應用社會科學系早前攜手舉辦了大型國際會議,主題 為「青少年生理及心理健康:國際及本地經驗分享」,會上公佈了有關改善香港青少年精神 及心理健康的最新研究結果。會議已於6月21日在理大順利舉行,有超過130位從事青少年 健康和發展工作的學者、研究人員、業界人士及政策制定者參加,座無虛席。

與會者在這個跨學科國際會議上討論了不少議題,包括欺凌、網絡成癮、吸煙、濫用藥物、 青少年賭博、自殘與自殺行為以及不安全性行為等。三位國際知名學者包括美國加州大學 三藩市分校兒科榮譽教授Charles E. Irwin教授、華盛頓大學社會工作學院Richard F. Catalano 教授,以及理大協理副校長、利豐服務領導教育教授,及應用社會科學系講座教授石丹理 教授,分別在會上發表了主題演講,跟與會者分享各自的研究成果。

Many non-infectious health problems in adulthood result from unhealthy habits or risky behaviour developed in childhood or adolescence. FHSS and our Department of Applied Social Sciences (APSS) organised an international conference on "Adolescent Health and Well-Being: International and Local Experiences" on 21 June at PolyU to disseminate the latest research findings on and suggestions for improving the mental health and well-being of adolescents in Hong Kong. More than 130 scholars, researchers, practitioners, and policymakers working in adolescent health and development attended the day-long event.

Bullying, Internet addiction, smoking, drug abuse, youth gambling, self-harm and suicide, and sexual risk behaviour were among the topics discussed at the interdisciplinary conference. Three keynote lectures were delivered by renowned international scholars Prof Charles E. Irwin, Distinguished Professor of Pediatrics at the University of California, San Francisco; Prof Richard F. Catalano, from the University of Washington's School of Social Work; and Prof Daniel T.L. Shek, PolyU's Associate Vice President (Undergraduate Programme), Li & Fung Professor in Service Leadership Education, and Chair Professor of Applied Social Sciences at APSS.



○ 理大應用社會科學系聯同加拿大西門菲莎大學包括老年學系 等多個單位,於5月6日及7日在位於溫哥華的西門菲莎大學 舉辦了知識動員研討會。主題為「加拿大卑詩省及香港為認知障礙 症長者提供的以人為本護理服務」,與會者包括卑詩省和香港的 學者、醫護人員及政策制定者。加拿大卑斯省及香港均面對大量 華人人口老化的問題,與會者深入討論在醫院及家居推行以人 為本、顧及文化差異的認知障礙症護理之最新研究及挑戰。

PolyU's Department of Applied Social Sciences and different units of Canada's Simon Fraser University (SFU), including its Department of Gerontology, jointly organised a Knowledge Mobilization Symposium on 6-7 May at SFU in Vancouver with the theme "Person-Centred Care for Older Adults with Dementia in BC and Hong Kong." The symposium for scholars, health care providers, and policymakers from British Columbia and Hong Kong discussed the latest research and challenges in implementing culturally sensitive person-centred dementia care in residential and hospital settings in both regions in the face of their ageing populations that have a significant number of ethnic Chinese.



Science at HK SciFest 2019

醫療及社會科學院應邀參加由香港科學館主辦的2019香港科學節, 協助館方加強公眾對科學、科技、工程及數學(或簡稱「STEM」)的 認識,以應對日常生活以至全球日益受到科學和科技發展影響的變化。就有關 活動,醫療科技及資訊學系臨床導師蕭樹寶先生於4月12日在理大進行演講, 主題為「醫療影像(X光、電腦掃描、磁力共振、超聲波等)的成像原理」; 翌日,眼科視光學院臨床導師丁偉祺博士則在理大主持了名為「神奇的立體 視覺-為什麼人能看到空間距離和立體物件?」的工作坊。參加人士透過這 兩項活動,除了增加科學知識外,亦得以了解放射學及眼科視光學的課程內容 和職業前景。

FHSS was invited to participate in HK SciFest 2019 by the Hong Kong Science Museum to help boost the public's understanding of science, technology, engineering, and mathematics (or STEM), since life and the world at large are increasingly shaped by scientific and technological advances. Mr Bobby Shiu Shu-po, Clinical Associate at our Department of Health Technology and Informatics, delivered a talk on "Science Behind Medical Imaging (General Radiography, CT, MRI, Ultrasound, etc.)" at PolyU on 12 April. The following day, Dr Patrick Ting, Clinical Associate at our School of Optometry, ran a workshop at PolyU on "Why Do We Have the Sense of Depth and 3D Vision?" The events also gave participants a glimpse into the FHSS academic disciplines and professions associated with medical imaging and vision, namely radiography and optometry, respectively.



✤ 眼科視光學院簽訂協議 加強研究合作及學生實習機會 School of Optometry Signs Agreements to Increase Research and Student Placement Opportunities



聖大眼科視光學院與天津醫科大學眼視光學院在5月9日簽署合作備忘錄,在天津醫科 大學共同建立「眼視光和視覺科學聯合實驗室」。實驗室的成立代表兩校透過策略夥 伴關係,共同追求在視覺科學領域的突破,並培育兩所大學的研究人材,以加強在眼科視光學 及視覺科學方面的研究。就此,雙方將會集合他們的資源及精英,交流有關視覺科學的嶄新意 念,並會透過研究及項目合作推動知識轉移。根據合作備忘錄,雙方將在聯合實驗室內設立包 括近視眼基礎研究實驗室、角膜接觸鏡研究實驗室、光學研究實驗室、雙眼視覺研究實驗室、 低視力研究實驗室、視覺(神經)科學研究實驗室及眼科疾病與視光臨床研究實驗室等設施。



此外,眼科視光學院與香港盲人輔導會在多年合作的基礎上,於8月7日簽署合作備忘錄,旨在加強雙方多方面的合作。香港盲人輔導會將為眼科視光學院本科生提供更多臨床實習機會,

雙方亦會合作進行更多有關低視能的研究,並會合力開發最理想的視障復康服務,以提升視障人士的生活能力及質素。

PolyU's School of Optometry (SO) and the School of Optometry and Ophthalmology of Tianjin Medical University (TMU), mainland China, signed a memorandum of understanding on 9 May to establish the TMU–PolyU Joint Laboratory of Optometry and Vision Science on TMU's campus. The laboratory represents a strategic partnership between SO and TMU to pursue scientific breakthroughs in vision science and to develop a talent pool of researchers from both universities to enhance research capacity in optometry and vision science. To achieve this, they will aggregate their innovation resources and talent, exchange novel ideas in vision science, and nurture knowledge transfer through research and project collaboration. The agreement includes setting up facilities for basic and clinical research in myopia, orthokeratology, optics, binocular vision, low vision, vision (neuro-)science, and eye pathology.

SO also signed a memorandum of understanding on 7 August to enhance its existing collaboration with the Hong Kong Society for the Blind (HKSB). Under the agreement, HKSB will create more clinical placement opportunities in its service units for SO undergraduates. SO and HKSB will also work together to conduct more research studies on low vision and on developing the optimum model for vision rehabilitation to improve the visually impaired's functional performance and quality of life.

基層兒童護眼計劃 包含學習創新及科技知識 Eye Care Project for Disadvantaged Children Includes Innovation and Technology Learning

信和集團旗下全面創科生態系統香港創新基金與香港理工大學眼科視光學院攜手合作 推出「香港理工大學一香港創新基金兒童護眼計劃」。計劃為200名來自基層家庭的 6-12歲兒童進行全面眼睛檢查及贊助兒童近視控制鏡片,幫助他們減慢近視加深的速度。這批 參與計劃的兒童,為正接受政府「學校書簿津貼計劃」全額津貼的小學生,或其直系家庭正 接受社會福利署的綜合社會保障援助。眼科視光學院於8月31日在理大校友薈舉行了計劃的 啟動儀式。

眼科視光學院先為合資格兒童進行視力篩查。患有300度或以上近視的兒童會被安排進行全面 眼科視光檢查,並獲驗配減慢近視加深速度的「多區正向光學離焦」(DIMS)眼鏡。在為期兩 年的計劃期間,眼科視光學院會為受助兒童定期跟進檢查及評估眼鏡使用情況。另一方面, 計劃又會積極為受助兒童提供參與跟創科相關活動的機會,包括安排他們到訪奧海城的 OCSTEM Lab創意工作室及觀塘的Sino Inno Lab信和創意研發室參加工作坊。

Partnering with the Hong Kong Innovation Foundation (HKIF), a Sino Group charitable organisation that supports innovation and technology initiatives, SO has launched a 2-year "PolyU–HKIF Children Eye Care Programme" for disadvantaged children in Hong Kong. The programme aims to control the progression of myopia in 200 children aged between 6 and 12 years old who are currently receiving full grants under the government's School Textbook Assistance Scheme or whose immediate families are receiving Comprehensive Social Security Assistance. SO hosted a kick-off ceremony for the project on 31 August at PolyU's on-campus Alumni Atrium.

SO will administer vision screening for eligible children. Those who are diagnosed with myopia of -3.00 dioptres or above will be prescribed with a pair of spectacles fitted with SO's award-winning Defocus Incorporated Multiple Segments (DIMS) spectacle lens to help reduce their myopia progression. All of the children will receive further eye assessments for 2 years. The programme will also expose the children to innovation and technology by teaching them about the DIMS spectacle lens and through guided trips to the HKIF-supported OC STEM Lab at Olympian City and Sino Inno Lab in Kwun Tong.





醫療及社會科學院科研項目獲研究資助 FHSS Projects Win Competitive External Research Grants



由醫療及社會科學院學者及研究人員為主要研究員的項目[,]繼續獲得多項外界科研資金支持[,]以下為去年度獲研究 資金資助的項目:

In the past year, scholars from FHSS's constituent departments and schools have won funding from different competitive grant schemes for their projects as Principal Investigators:

優配研究金 (大學教育資助委員會研究資助局)

General Research Fund (Research Grants Council, University Grants Committee, Hong Kong)

Dept	Principal Investigator	Project Title
APSS	Prof Edward CHAN Ko-ling	A longitudinal follow-up study on the association between intimate partner violence against women and child telomere length shortening from birth to early childhood
APSS	Dr Janet LEUNG Tsin-yee	Should adolescents help? Impacts of adolescent filial responsibilities on maternal well-being and adolescent psychosocial competence among poor single-mother families
APSS	Dr Stan WONG Hok-wui	Representation, fairness, and participation in Hong Kong's elections: assessing public perceptions using a mixed-mode design
HTI	Dr CAI Jing	A novel magnetic resonance fingerprinting-based radiotherapy treatment planning framework for abdominal cancers
HTI	Dr WONG Chi-ming	Role of a novel protein CYSTM1 in the regulation of metabolism
HTI	Dr Kenneth CHENG King-yip	Adipocyte FMO3 and its metabolic product TMAO as new mediators of adipose tissue inflammation and metabolic disorders in ageing
HTI	Dr Cesar WONG Sze-chuen	The diagnostic significance of CDH17-positive circulating tumour cells and therapeutic implication of targeting CDH17 protein in colorectal cancer
RS	Dr Sonata YAU Suk-yu	Maternal exercise enhances stress resilience in offspring by up-regulating hippocampal neuroplasticity
RS	Dr Kenneth FONG Nai-kuen	Effects of theta burst stimulation on modulation of mirror illusion-induced rhythm suppression in stroke
RS	Dr Bolton CHAU Ka-hung	Neural mechanisms underlying between-environment decision making
SN	Dr Jerry YEUNG Wing-fai	Zero-time exercise — integrating exercise into daily life activity at no extra time and cost to improve sleep in physically inactive adults with insomnia disorder: a randomised controlled trial with mixed-method process evaluation
SN	Prof Thomas CHOI Kup-sze	Intelligent recognition of movement intention with brain-computer interface for lower-limb rehabilitation
SN	Dr Harry QIN Jing	Patient-specific planning and intraoperative guidance system for precise left atrial appendage occlusion via weakly-supervised deep learning, perception-aware visualisation, and context-driven touchless interaction
SO	Dr Thomas LAM Chuen	Atropine mediated proteins in myopia control: insights from a new mammalian guinea pig model using an integrated next-generation proteomics strategy

傑出青年學者計劃 (大學教育資助委員會研究資助局)

Early Career Scheme (Research Grants Council, University Grants Committee, Hong Kong)

Dept	Principal Investigator	Project Title
APSS	Dr LI Xiang	Cyberbullying after being cyber-victimised in primary school students: individual values and the protective role of the school environment
APSS	Dr Katy LAM Ngan-ting	Chinese overseas factories and local labour management: the cases of Cambodia and Ghana
HTI	Dr LIN Liang-ting	Deciphering the mechanism in MSI1-AGO2 protein-protein interaction-mediated RNA fate decisions and radiosensitivity in glioblastoma multiforme
RS	Dr Georg KRANZ	Probing homeostatic plasticity with priming theta-burst stimulation of the dorsolateral prefrontal cortex
RS	Dr CHEN Chao-ying	Clinically-based versus machine-learning enhanced video analysis of fidgety movements in infants with and without autism spectrum disorder
RS	Dr Sunny CHAN Ho-wan	Mechanisms involved in the effect of a brief mindfulness-based intervention (MBI) on personal recovery in people with bipolar disorder (BD)
RS	Dr Stanley John WINSER	The role of integrated cognitive and balance (dual-task) training in balance and fall risk in individuals with cerebellar ataxia: a randomised controlled trial

研究影響基金 (大學教育資助委員會研究資助局) Research Impact Fund

(Research Grants Council, University Grants Committee, Hong Kong)

Dept	Principal Investigator	Project Title
SO	Prof TO Chi-ho	Effectiveness of bright light therapy, myopic defocus, atropine, and the combinations for controlling myopic eye growth in schoolchildren: a randomised control trial

醫療衞生研究基金 – 健康護理及促進計劃

Health and Medical Research Fund - Health Care and Promotion Scheme

Dept	Principal Investigator	Project Title	
RS	Dr Will CHIEN Chi-wen	A parent-coaching intervention to promote community participation of young children with developmental disability	
RS	Dr Sharon TSANG Man-ha	Sm@rt Choice: health conscious programme for using smart devices (Sm@rt世代之醒目護頸 – 用腦篇)	

醫療衞生研究基金 – 研究獎學金計劃

Health and Medical Research Fund - Research Fellowship Scheme

Dept	Principal Investigator	Project Title	
SO	Dr Tina LIAN Jinxiao	What are the preferred financial incentives to promote preventive care	

創新及科技基金 – 合作研究等額補助金計劃 – 大學與產業合作計劃 ITF – University-Industry Collaboration Programme –

Matching Grant for Joint Research Scheme

Dept	Principal Investigator	Project Title
HTI	Dr Cesar WONG Sze-chuen	Humanised ARB-101 monoclonal antibody targeted therapy against malignant gastrointestinal cancers: proof of concept study

創新及科技基金 - 院校中游研發計劃

ITF - Midstream Research Programme for Universities

Dept	Principal Investigator	Project Title
SN	Prof Thomas CHOI Kup-sze	Intelligent dementia risk prediction system with community health profile of elderly

創新及科技基金 – 創新及科技支援計劃第二層撥款 ITF – Innovation and Technology Support Programme (ITSP) Tier 2

Dept	Principal Investigator	Project Title
RS	Dr Andy S.K. CHENG	Smart Work Injury Management (SWIM) system

創新及科技基金-創新及科技支援計劃第三層撥款

ITF – Innovation and Technology Support Programme (ITSP) Tier 3

Dept	Principal Investigator	Project Title
SO	Dr Dennis TSE Yan-yin	Developing a head-mounted display unit that controls myopia in schoolchildren

公共政策研究資助計劃

PICO - Public Policy Research Funding Scheme

Dept	Principal Investigator	Project Title
APSS	Dr YU Lu	Impact of short-term study in mainland China programme on Hong Kong local university students' intercultural competence, perception, and attitude about mainland China, and national identity

美國國家癌症研究所 – 國立衞生研究院獎 US National Cancer Institute – National Institutes of Health Award

Dept	Principal Investigators*	Project Title
HTI	Dr CAI Jing	Toward precision radiotherapy: physiological modeling of respiratory motion based on ultra-quality 4D-MRI

* The other Principal Investigator is Dr G. Wilson MILLER from the University of Virginia, US



醫療及社會科學院的研究員亦有以共同研究員身份參與研究項目。詳情可瀏覽: FHSS staff are also playing a major role in other research projects as Co-Investigators. For more details, please go to: https://fhss.polyu.edu.hk/ext/research_fund

APSS: 應用社會科學系 Department of Applied Social Sciences HTI: 醫療科技及資訊學系 Department of Health Technology and Informatics RS: 康復治療科學系 Department of Rehabilitation Sciences SN: 護理學院 School of Nursing SO: 眼科視光學院 School of Optometry

醫療衞生研究基金 Health and Medical Research Fund

Health and Medical Research Fund

Dept	Principal Investigator	Project Title		
HTI	Dr CAI Jing	Evaluation of 4D diffusion-weighted MRI (4D-DWI) for stereotactic body radiation therapy (SBRT) of abdominal cancers in a pilot clinical trial		
HTI	Dr Lawrence CHAN Wing-chi	Radiomics-based case retrieval algorithm supported by deep learning of image feature clusters of hepatic pathology in computed tomography		
HTI	Dr HUANG Chien-ling	Evaluating the diagnostic yield of using low-pass whole-genome sequencing to identify chromosome abnormalities in paediatric patients with developmental defects		
HTI	Dr Polly LEUNG Hang-mei	Interaction between Legionella pneumophila and biofilm microbiota		
HTI	Dr Alvin MA Chun-hang	Studying kinase-dependency profile of normal and malignant hematopoiesis to identify leukaemic-specific kinase inhibitors targeting FLT3-ITD mutation using zebrafish platform		
HTI	Dr WONG Chi-ming	Deciphering the role of placenta-specific 9 (PLAC9) in obesity		
RS	Dr Yvonne HAN Ming-yee	Using transcranial direct current stimulation to enhance cognitive function in autism spectrum disorder: a randomised controlled study		
SN	Prof Frances WONG Kam-yuet	Understanding needs of paediatric patients with life-limiting diseases: towards a model of paediatric palliative care		
SN	Dr Eliza WONG Mi-ling	A multicentre randomised controlled trial of the effectiveness of a lifestyle intervention programme using mobile application vs booklet for adults with metabolic syndrome		
SN	Dr Jerry YEUNG Wing-fai	Self-administered acupressure for knee osteoarthritis in middle- and older-aged adults: a randomised controlled trial		
SO	Dr DO Chi-wai	Neuroprotective effect of baicalein against chronic ocular hypertension		
SO	Dr Tina LIAN Jinxiao	The cost-effectiveness of myopia control to retard the progression from high myopia		
SO	Dr LIN Bin	TREM2 regulates microglia activation and ameliorates cone photoreceptor degeneration in retinitis pigmentosa		

2019年度新生入學成績 Average HKDSE Scores for FHSS Programmes in 2019

醫療及社會科學院提供的課程,一直吸引不少有志服務社會及具優秀成績的學生報讀。一如以往,入讀醫療及社會科學院 的新生,於香港中學文憑考試獲得優異成績,多個課程的收生成績更為理大總新生成績的前茅。

FHSS's undergraduate programmes attract students who are dedicated to serving the community as well as being highly capable academically. As in previous years, the average HKDSE scores of FHSS freshmen were among the highest at PolyU.

學士學位課程 Degree Programme	入學成績計算方法 Admission Score Calculation Mechanism	最低分數 Minimum Score	最高分數 Maximum Score	平均入學成績 Average HKDSE Score Point Total	全部科目總計 平均入學成績 Average HKDSE Score Point Total of All Subjects
應用社會科學系 Department of Ap	plied Social Sciences		1		
社會政策及社會創業 Social Policy and Social Entrepreneurship	4 Core + Best 2 Elective Subjects	21	26	23.6	24.7
社會工作 Social Work	4 Core + Best 2 Elective Subjects	26	28	26.9	28.5
醫療科技及資訊學系 Department c	of Health Technology and Informatio	s			
醫療化驗科學 Medical Laboratory Science	Any Best 6 Subjects	29	38	32.5	38
放射學 Radiography	Any Best 6 Subjects	29	37	32.1	37.8
康復治療科學系 Department of Re	habilitation Sciences				
職業治療學 Occupational Therapy	Any Best 6 Subjects	30	36	32.8	37.6
物理治療學 Physiotherapy	Any Best 6 Subjects	32	40	34.4	40.5
護理學院 School of Nursing					
精神健康護理學 Mental Health Nursing	4 Core + Best 2 Elective Subjects	25	32	25.9	28.5
護理學 Nursing	4 Core + Best 2 Elective Subjects	26	31	27.4	30.6
眼科視光學院 School of Optometry					
眼科視光學 Optometry	Any Best 6 Subjects	29	35	31.8	37.1
レ 人上分數不包括非學術表現計劃之收生成績,只供参考之用。 he above scores exclude Non-Academic Achievement Scheme offers, and are for reference only.		備註 : 由2020-21學年起,理大將調整五級或以上的科目轉換分數機制 Remarks : The conversion scores for subjects at Level 5 or above will be changed for the 2020-21 admissions exercise as follows:			

** 香港文憑考試分數計算

Calculation of HKDSE Scores

5** - 7 分points	5* - 6 分points	5 - 5分points	4 - 4分points	
3 - 3 分points	2 - 2 分points	1 - 1分point	Unclassified - 0分points	

5* - 7 分points

5 - 5.5 分points

5** - 8.5 分points

Q