

SN NEWSLETTER

“To excel in Nursing for the well-being of mankind”

COVER STORY

Creating Impact through Endowed Professorship and Endowed Young Scholar

We are thrilled that **Prof. Janelle Yorke**, Chair Professor of Nursing and Head of the School; and **Dr Eva Ho**, Associate Professor, have been appointed as **Angel S.P. Chan Lau Professor in Health and Longevity** and **Kuok Group Young Scholar in Child and Adolescent Health**, respectively. The honour and endowments are granted to them in recognition of their work in symptom measurement and management; paediatric palliative care and youth addiction prevention; as well as the School’s exemplary effort in advancing research for health and wellness.

Enhancing patients’ quality of life through digital outcome/experience measuring system

Cancer, life-limiting or long-term illness and its treatment can have substantial impacts on patients’ quality of life (QoL) and functioning. Nurses’ understanding of patients’ views on their treatment side-effects, symptoms, psychological wellness, QoL, and care experience, etc., are crucial in monitoring patients’ holistic health status and making timely and effective clinical decisions.

With the growth of digital technologies, electronic Patient Reported Outcome/Experience Measure (ePROMs/ePREMs) programmes have been developed and introduced in clinical environments to help systematically capture self-reported health information directly from patients for assessing their symptoms pre-and-post therapies, QoL, and other health outcomes, etc.

Prof. Janelle Yorke, Chair Professor of Nursing & Head of the School, adopted advanced psychometric methods to develop and validate numerous PROMs, which have been translated into more than 50 different languages. She chaired the ePROM group to incorporate the routine collection of ePROMs into every-day cancer care at the Christie NHS Hospital, England. Her evaluation work of the ePROM initiative demonstrated that its use leads to improved patient-clinician communication, patients being more engaged in their care, increased health service efficiencies, and improved patients’ QoL*. In addition, ePROMs can be a strong predictor of survival in lung cancer.

Prof. Yorke is also an expert in the development and evaluation of complex interventions to support patients to self-manage distressing symptoms including dyspnoea, cough and fatigue. In 2023, she was awarded the prestigious National Institute of Health Research Senior Investigator award, England, in recognition of her outstanding contribution to health care research and the clinical-academic development of other nurses and allied health professionals.

Upon joining PolyU in January 2024, Prof. Yorke continues with her ePROMs work and she co-leads the School’s Research Area of Excellence that focuses on *Cancer and Supportive Care*. With her vast knowledge and experience in symptom measurement and management to improve quality of life, she has been supported by the Hong Kong Jockey Club to establish a Digital Oncology Care Enhancement Laboratory (DOCE) that works towards developing a programme of ePROMs in Hong Kong for real-time patient monitoring; and a suite of linked embedded digital interventions to support patient self-management and caregiving.

The endowment is very timely and provided valuable support to Prof. Yorke for carrying out research studies to collect evidence in the use of ePROMs gathering patient feedback, informing healthcare decisions, evaluating practice and quality of care, improving QoL of people with cancer and life-limiting illness, in the Hong Kong context.

* Payne, A., Horne, A., Bayman, N. Yorke J, et al. (2023). Patient and clinician-reported experiences of using electronic patient reported outcome measures (ePROMs) as part of routine cancer care. *Journal of Patient-Reported Outcomes* 7, 42 <https://doi.org/10.1186/s41687-023-00544-4>



Prof. Janelle Yorke (2nd from left) and Mrs Angel S.P. Chan Lau (2nd from right), donor of the Endowed Professorship in Health and Longevity.

‘My goal is to enhance patients’ symptom experience and quality of life. The Endowed Professorship will enable me to further conduct impactful research to improve the quality of life for people with cancer and life-limiting illness’.

**Angel S.P. Chan Lau Professor
in Health and Longevity
Prof. Janelle Yorke**

Angel S.P. Chan Lau Endowed Professorship in Health and Longevity

Angel S.P. Chan Lau Endowed Professorship in Health and Longevity, was established in 2013, with the support from Mrs Angel Lau, Chairman of the Squina International Group Limited.

Mrs Lau is a successful entrepreneur and is also a philanthropist who has dedicated herself to promoting health, education and social services. The Squina International Group Limited has also sponsored numerous healthcare seminars and the establishment of laboratories and teaching facilities for healthcare education. The School's Squina International Centre for Infection Control is one of them.

The University partners with donors through the establishment of Endowed Professorship to advance research and academic activities in the area of health and longevity. Prof. Yorke is the School's second Endowed Professor in Health and Longevity who is recognised for sustained excellence throughout the career.

Supporting cancer survivors; Preventing youth addiction

Pediatric cancer survivors are at an increased risk of having physical symptoms and psychological distress following treatment. To address their care needs, nursing researchers provide data for identifying or developing effective interventions that could help manage the adverse effects of cancer and its treatment, taking into consideration of the psychological, emotional, social, and behavioural aspects of these children and their families.

Dr Eva Ho, Associate Professor, explored the prevalence of sleep impairment among pediatric cancer survivors at an earlier stage of her research journey. She examined how sleep impairment, fatigue and depression correlated to from a symptom cluster that affected the survivors' quality of life. At PolyU, she collaborated with local institutes and those in the United Kingdom to conduct a systematic review to identify the common sexual problems, prevalence of sexual dysfunction, underlying factors related to sexual functioning among childhood cancer survivors, and assessment tools of sexual functioning. The findings have enriched the scarcity of information in an important part of overall health, which is often overlooked.

Spiritual wellness is another important dimension of health that Dr Ho greatly concerns. Dr Ho conducted the FIRST systematic review and meta-analysis to summarise the characteristics of existing spiritual interventions and evaluate their effectiveness on psychological and spiritual outcomes, as well as quality of life (QoL) in childhood cancer patients. Her studies led to her adopting of narrative-based therapy approach to develop a set of card game and a digital storytelling programme that help childhood cancer patients express their emotions throughout their prolonged battles with the disease.

In addition to supporting pediatric cancer survivors, Dr Ho is committed in preventing youth addictive behaviours. She examined the effectiveness of training peers as anti-drug ambassadors and identifying hidden drug abusers through a community-based network. Her research on smoking cessation in youth have delivered evidence supporting different interventions, such as an integrated approach of smoking cessation and healthy lifestyle practices, risk communication, motivational interviewing, and brief advice based on the AWARD* model.

Dr Ho co-leads *Cancer and Supportive Care* one of the School's Areas of Excellence and is the Director of the Youth Quitline that provides telephone smoking cessation support tailored to youths. She is currently studying the effectiveness of digital storytelling in reducing depressive symptoms, enhancing self-esteem and quality of life for childhood cancer survivors and conducting another study on an integrated smoking cessation and alcohol intervention programme for young people.

The endowment will support her work and allow her to continue to contribute to the health and wellness of children and adolescents in Hong Kong.

*AWARD model is a simple protocol in delivering very brief smoking cessation advice including five steps: (1) ask whether the patient smokes; (2) warn about the risk; (3) advise to quit as soon as possible; (4) refer to existing smoking treatment services; and (5) do-it-again—repeat the advice if smokers continue to smoke or relapse.



From left: Prof. Jin-Guang Teng, President of PolyU; Dr Eva Ho (2nd from left); Mr Steven Ho, the representative of the Kuok Group; and Dr Tai-fai Lam, PolyU Council Chairman.

'My ultimate goal is to promote the overall wellbeing of children and adolescents. With this support, we will continue to make a profound impact by empowering young individuals to overcome challenges and thrive.'

Kuok Group Young Scholar in Child and Adolescent Health

Dr Eva Ho

Kuok Group Endowed Young Scholar in Child and Adolescent Health

The Endowed Young Scholar position, *Kuok Group Endowed Young Scholar in Child and Adolescent Health*, is established with the support from the Kuok Group (郭氏集團). The group started more than 70 years ago in Malaysia and is today a multinational group with businesses and investments across numerous sectors including properties, hospitality, agribusiness, logistics, digital infrastructure and maritime. With its donation to The Hong Kong Polytechnic University, the Kuok Group hopes to offer more opportunities for students and help nurture the next generation.

ReST Hub strengthens student resilience through game-based activities



Photo 1: ReSTHub hosted a student recruiting event and promoted resilience at the booth. Photo 2-3: Students engaged in the game-based activities to develop effective coping strategies for life's challenges.

ReSTHub hosted its first campus-wide event to engage freshers and students returning to the University in the 'Mission ReST', a gamified programme aims to enhance students' mental health wellness and resilience for navigating the challenges of student journey and beyond.

From August 26 to September 3, around 3,000 students were recruited for participating in the game-based activities, designed to foster self-discovery, connection and collaboration with others, and develop effective coping strategies for life's challenges. The students were introduced to an online self-assessment platform, a tool to help them regularly review their well-being and connect with mental health support resources.

Dr Grace Ho, Principal Investigator of ReST Hub & Associate Professor of the School, said the event conveyed one simple yet reassuring message to students at the beginning of their university journey or upon their returning to the University: 'Your mental health matters and you don't have to face life's challenges alone'.

ReST Hub was established with the generous support from "Seal of Love Charitable Foundation Health and Service Impact Fund" supported by the Seal of Love Charitable Foundation. It aims to create a compassionate and resilient PolyU community through promoting youth mental health using a strengths-based, trauma-informed, and preventative approach.



To show support to the event, Mr Lawrence Chan, Chairman of Seal of Love Charitable Foundation Limited (4th from left), and Ms Dee Dee Chan, Director of Seal of Love Charitable Foundation Limited (4th from right), visited ReST Hub with the accompany of Dr Grace Ho (1st from left). The visit was joined by Dr Laura Lo, PolyU Associate Vice President (Institutional Advancement) (3rd from left); Prof. David Shum, Dean of the Faculty of Health and Social Sciences (3rd from right); Prof. Sylvia Chen, Interim Director of the Mental Health Research Centre (2nd from left); Prof. Janelle Yorke, Angel S.P. Chan Lau Professor in Health and Longevity, Chair Professor of Nursing & Head of the School; Hong Kong SAR, Global STEM Professor; (2nd from right); and Prof. Engle Angela Chan, Associate Head (Undergraduate Education) of the School of Nursing, PolyU (1st from right).

Click [here](#) to learn more about ReST Hub.

Secondary School students attached to gain research experience

From April to August, groups of secondary school students attached to the School and underwent the Junior Researcher Mentoring programme. These students engaged in diverse research projects under the guidance of our academics, including **Dr Lin Yang**, Associate Professor, and **Dr Yan Li**, Assistant Professor (Presidential Young Scholar), **Dr Vivian Hui**, Assistant Professor; **Dr Grace Ho** and **Dr Sau Fong Leung**, Associate Professors. They gained practical experience in research; for examples, they assisted in subject recruitment, data collection and analysis, assessing the preliminary efficacy of the interventions, and provide feedback on the projects. These experiences will help students planning their studies or careers. The PolyU Junior Researcher Mentoring programme ended in August with a total of 24 students participated and 18 secondary schools involved.



Photo 1: Supervised by Dr Lin Yang, the students learnt how to develop an AI-powered interactive system for hand hygiene training and assessment.

Photo 2: The students assisted the AI-based chatbot project led by in Dr Yan Li and learnt how to promote Covid-19 vaccine uptake among the older adults.

Photo 3: Supervised by Dr Grace Ho, Dr Sau Fong Leung, the students assisted in a research study on mental health and resilience in young people. They visited the School's ReST Hub to learn about how experiential learning is promoting in the Hub for enhancing students' resilience.

Photo 4 The students participated in the interviews and assisted in the coding process for Dr Vivian Hui's research study on help-seeking behaviors among women with domestic violence experiences. Her team also visited the School's nursing lab to learn about gynecological nursing care and screening procedures in the clinical setting.

Admission Summary

In the 2024/25 academic year, a total of 216 students were admitted to the BSc (Hons) in Nursing programme, exceeding the intake quota by 23. The average HKDSE score (best 5 subjects) for the 2024/25 intake was 23.6, compared to 27.7 in the 2023/24 intake. The programme received 4,421 JUPAS applications, down from 4,595 in 2023/24. The admission ratio based on the Band A JUPAS applicants to the initial intake quota was 1:5.2.

Seventy-one students were admitted to the BSc (Hons) Mental Health Nursing programme, slightly exceeding the intake quota of 70. The average HKDSE score for the 2024/25 intake (best 5 subjects) was 23, nearly the same as last year's 22.9. The programme received 3,618 JUPAS applications, up from 3,215 in 2023/24. The admission ratio based on the Band A JUPAS to the initial intake quota was 1: 8.3.

The MSc in Nursing programme admitted 89 students out of 193 applicants for the 2024/25 academic year, resulting in an admission ratio of 1:2.2. The total number of applicants has remained steady when compared with previous years. The Master of Nursing programme achieved full enrolment with 40 students, receiving 196 applications for the 2024/25 academic year.

Teaching and learning projects funded

Dr Yan Li, Assistant Professor (Presidential Young Scholar), received funding support from PolyU's Community of Practice for the following projects (each project awarded HK\$ 10,000):

- Evaluation of the innovative Generative AI-based 'Socratic Playground for Learning' in the context of a newly developed health informatics subject
- Collaborative development of mental health promotion activities for primary school students

Eight-week use of Electronic Painting Platform Proven decreasing depression

At a press conference held on 4 November, the School and Global Chinese Breast Cancer Organizations Alliance (全球華人乳癌組織聯盟; GCBCOA) jointly announced the preliminary findings of the effectiveness of the Electronic Painting Platform (EP) in enhancing the emotional well-being of breast cancer survivors.

The research results showed that the platform can bring a significant positive effect on the emotional health of the survivors, particularly in reducing their depression. After the use of the EP for eight weeks, changes in the participants' self-rated emotional assessment scores were found, indicating a decrease in negative emotion scores by approximately 20% and the dropping of the depression index by nearly 30% among the 52 breast cancer patients who exhibited signs of anxiety or depression during initial evaluations. The participants also reported significant improvements in their self-assessment of health, reflecting an enhanced quality of life that is likely associated with better personal health conditions.

The findings have provided the FIRST-ever evidence supporting a more widely use of the platform. Led by **Prof. Angela Leung**, Associate Head (Research) and Professor, the research team⁺ is planning to promote it in local hospitals and in the community to benefit more people in need. With the support of Gilead Sciences, a biopharmaceutical company, PolyU and GCBCOA are conducting an on-going citywide study to evaluate the impact of EP on breast cancer survivors.

The Electronic Painting Platform, developed by the School, was initially designed to support family caregivers of persons with dementia. This new platform is our first attempt to transfer the impact of our innovation to a new area. The new platform enables breast cancer patients to create art using computers or smart devices while also conducting emotional assessments to better understand their emotional health. Furthermore, it includes social features that promote connection and communication among users, fostering a supportive and enriching community.



From left: Prof. Angela Leung, Mrs Mary Wong-Hemrajani, Chairman of the Global Chinese Breast Cancer Organizations Alliance; and Dr Lai-shan Wong, Specialist in Clinical Oncology; and breast cancer patient Fanny at the press conference.



The Electronic Painting Platform allows the breast cancer survivors shared their art work and connected to others.

+ Dr Ivy Zhao, Assistant Professor, School of Nursing, PolyU;
Tommy KH Fong, Department of Psychiatry, HKU; Zarina N. Kabir, Department of Neurobiology, Care Sciences and Society, Karolinska Institute, Stockholm, Sweden.

Patent granted for advanced osteoporosis screening invention

The Machine Learning-based Method for Preclinical Osteoporosis Screening developed by **Dr Grace Xie** and **Ms Qingl Yang**, PhD student was granted a patent by the China National Intellectual Property Administration on 16 August. This innovation utilizes machine learning algorithms to choose predictors and build the prediction model. The model utilizes simple, self-reported variables, eliminating the need for additional health examinations. The model demonstrates good predictive performance, making it suitable for convenient and effective application in self-assessment of osteoporosis risk and community-based screening.



Externally Funded Research Projects (Aug-Oct)

| Project Title | Funding Scheme | PI | Total Grant (HK\$) |
|--|---|--|--------------------|
| Exploring the Chinese Medicine help-seeking behaviors and online health information seeking behaviors among young people in Hong Kong | Chinese Medicine Development Fund - Industry Support Programme (B2) | Dr Vivian Hui Assistant Professor | 1,007,309 |
| Efficacy of mountain craft training at improving resilience and psychological well-being and reducing fatigue in childhood cancer survivors: A pilot randomised controlled trial | Health and Medical Research Fund | Dr Joyce Chung Assistant Professor | 462,260 |
| Implementation of the WHO Integrated Care for Older People (ICOPE) model and personalized care plan in primary health care services in Christian Family Service Centre (CFSC) | Christian Family Service Centre (Collaborative) | Dr Ivy Zhao Assistant Professor | 291,000 |
| Sleep equity for global health—promoting healthy sleep among health professionals | University Grants Committee to the Shanghai-Hong Kong University Alliance | Dr Yan Li, Assistant Professor (Presidential Young Scholar) | 100,000 |

Internally Funded Research Projects (Aug-Oct)

| Project Title | Funding Scheme | PI | Total Grant (HK\$) |
|--|---|--|--------------------|
| DemensANSYS: Development of an MR brain image analysis platform for dementia research, diagnosis, and treatment based on advanced deep learning models | PolyU's Collaborative Research with World-leading Research Groups | Prof. Harry Qin Professor | 2 mil |
| The impact of technology-enabled screening interventions to healthy ageing practices among older adults: a pilot mixed-method study | Internal Research Fund | Dr Jed Montayre Associate Professor | 300,000 |

Healthy Ageing through Innovations

IVR Motor-Cognitive Training System getting ready to commercialise

Prof. Justina Liu, Principal Investigator [Associate Head (Postgraduate Education) & Professor] and her team[#] have taken a major step forward in the commercialisation of their *Immersive Virtual Reality (IVR) Motor-Cognitive Training System* [HK Short-term Patent:HK30085570] through the MedSim Healthcare Education, which has been appointed by PolyU as the authorized distributor of the system.

An agreement was signed between the PolyU Technology & Consultancy Co. Limited and the MedSim Healthcare Education on 12 August to consolidate the partnership. Under the terms of the agreement, MedSim will be responsible for marketing and customer service of the system. They will introduce the system to the wider market to benefit more older adults, particularly those with cognitive frailty. If the system is sold on the market and is able to reach consumers effectively, it will be one of the few nursing research studies capable of generating income for the School as a marketable gerontechnological product.

Cognitive frailty is characterised by the presence of both physical frailty and cognitive impairment. Prof. Liu, Co-Leader of the School's Research Area of Excellence: *Healthy Ageing through Innovations*, found that cognitive frailty is common among community-dwelling older people in Hong Kong. To address this health issue, she led a research team to collaborate with Pok Oi Hospital and other academic institutes for designing and developing the Immersive Virtual Reality (IVR) Motor-Cognitive Training System to help older adults, especially those with cognitive frailty, maintain their cognitive functions and simultaneously improve their motor abilities for performing activities of daily living.

Prof. Liu's team evaluated the effectiveness of the system and found that it can significantly improve various cognitive functions, such as calculation, memory, reaction and attention. The system received a merit certificate in the Smart People (Smart Ageing) in the Hong Kong ICT Awards 2023 in recognition of its effectiveness in promoting healthy aging.

Earlier, the Yuen Long District Health Centre under the Health Bureau, purchased 12 sets of the IVR Motor-Cognitive Training System. The centre is planning to integrate this gerontechnological innovation into their regular programmes to help older adults enhance cognitive and psychosocial well-being.



Yuen Long District Health Centre (DHC)-the first DHC integrating the IVR Motor-Cognitive Training System into their programmes for older adults.



Prof. Justina Liu provided training on how to use the system to the staff members at Yuen Long DHC.

[#] Team members of the IVR Motor-Cognitive Training System: Prof. Justina Liu, Prof. Harry Qin, Professor, Claudia Lai, Honorary Professor; Prof. Kenneth Fong, Professor, Department of Rehabilitation Sciences; Prof. Rick Kwan, Associate Dean (Programmes) & Professor, Tung Wah College; Ms Olive Sin, Social Service Coordinator (Social Services) Pok Oi Hospital.



IVR Motor-Cognitive Training System- A user is riding on the ergometer exercise bike to complete tasks of activities of daily living.
Click [here](#) to learn more about the IVR Motor-Cognitive Training System.

Primary Health Care

Advocated for policy change and health-social partnerships in community care

Prof. Frances Wong, [Chair Professor of Advanced Nursing Practice & Associate Dean, Faculty of Health and Social Sciences (FHSS)], **Dr Arkers Wong**, Associate Professor and Mr Wilson Kwok, our PhD student, representing the School's Joint Research Centre for Primary Health Care, together with the Ms Lau Sze Fan, Chief Executive of Hong Kong Lutheran Social Service (LC-HKS) [香港路德會社會服務處] and her colleagues met with Mr Chris Sun, Secretary for Labour and Welfare and his team on 19 September. They discussed the importance of health and social partnership in community-based care. The PolyU research and LC-HKS service team shared their fruitful experience in adopting the health-social partnership approach for early identification of needs among older people dwelling in the community and timely intervention to support their aging in place.



Multidisciplinary care programme for management of knee osteoarthritis

Dr Arkers Wong, announced the findings of the study on a multidisciplinary primary care programme for management of knee osteoarthritis, together with his collaborative partners in a press conference held 10 October. The study, supported by the Chinese Medicine Development Fund, under the Hong Kong Government, adopted the Delphi method to gather opinions and reach consensus from the experts of different medical backgrounds to identify the roles, responsibilities and integration of varying healthcare professionals in the treatment of knee osteoarthritis.

Knee osteoarthritis is a very common degenerative diseases in Hong Kong, and is one of the commonest causes of disability in older adults. The proposed treatment protocols, integrating nursing care, tradition Chinese medicine, physiotherapy, occupational therapy, and social care are expected to serve as a new model to enhance quality of primary health care service and patient outcomes.

In addition to the press conference, Dr Wong gave an invited speech on mobile health and telemedicine and he shared the experience of promoting primary health care via the Interactive nurse support mHealth mobile app at the NGO Tech Carnival & Experience Zone organised by Hong Kong Productivity Council on 21 to 22 October.



Photo 1: Dr Arkers Wong (2nd from left) at the press conference. Photo 2: Dr Wong shared the experience of promoting primary health care via the Interactive nurse support mHealth mobile app.

Promoting Acceptance and Commitment Therapy & building connections with prominent Mainland experts

Dr Yim-wah Mak, Associate Professor, has been promoting the use of Acceptance and Commitment Therapy (ACT) in the community for enhancing health and psychological wellness. On 5 and 19 October, she conducted an ACT training workshop on promoting men's mental health (Photo 1). This was her first attempt to evaluate a real-world ACT programme delivered by a non-governmental organisation for addressing and supporting the mental needs of men.

In addition, she has been actively involved in promoting ACT in Mainland China. Together with Dr Xuelin Zhang, our postdoctoral researcher, they were invited to attend a conference hosted by the China Chapter of the Association of Contextual Behavioral Science on 26-27 October in Chengdu, Mainland China.

In the conference, Dr Mak and Dr Zhang presented their research on the application of Acceptance and Commitment Therapy for smokers with schizophrenia and for families with heart failure, respectively; engaged in discussions on advancing behavioural science, and explored collaborative clinical practices relevant to their research. They also established connections with prominent experts in the field (In photo 2: such as former Chair Zhouhong Zhu [2nd from left], current Chair Yan Zhong [mid], and incoming Chair Shousheng Xu [1st from right] of the Association.



1st row, 2nd from left: Dr Yim-wah Mak.



Mental Health and Psychosocial Support

Collaboration opportunities and invited talks

From August to September, to explore research collaboration opportunities, **Dr Yan Li**, Assistant Professor (Presidential Young Scholar), led her team (**Dr Chris Lu** Postdoctoral Fellow; **Ms Yushen Dai**, PhD student and **Ms Yule Hu**, PhD student) to meet with the professors from the Shenzhen University Center for Disability Studies (photo 1), the representatives from the MacLehose Medical Rehabilitation Centre (photo 2) and the Prince of Wales Hospital Trauma Center (photo 3).

She also gave two invited talks in Mainland China. One at the roundtable discussion themed ‘Digital Mental Health: Challenges and Opportunities’ organised by the Digital Mental Health Association of the Guangdong Province (photo 4). The other on the mental health of people with spinal cord injury at the School of Nursing Nanjing Medical University.



1



2

Dr Yan Li (4th from left) and Ms Yule Hu (1st from right).



3

From left: 1st, Ms Yushen Dai; 2nd, Dr Chris Lu.



4

WHO Collaborating Centre for Community Health Services

The Centre hosted two webinars, below are the details:

Technological innovations and data-driven insights for managing health conditions

| Date | Topic | Speaker | |
|--------|--|--|---|
| 16 Aug | Analysing bowel and bladder disorders and their influencing factors in elderly patients: insights from the CHARLS Database | Prof. Liwei Jing Vice Dean, School of Nursing, Capital Medical University & Deputy Director and Secretary-General, Chinese Institute of Healthy Aging, Beijing |  |
| | The Presence of home-based social robot for older people | Dr Ivy Yan Zhao Assistant Professor Deputy Director, WHO Collaborating Centre for Community Health Services |  |

Technological innovations and data-driven insights for managing health conditions

| | | | |
|--------|--|--|---|
| 18 Oct | From the ground-up: towards age-friendly community interventions in the Philippines | Dr Laurence Lloyd B. PARIAL Assistant Professor College of Nursing, University of the Philippines Manila |  |
| | Emotional effects of virtual gardens for residential care homes for elderlies (rches) in Hong Kong | Dr Esther Yung Associate Professor Department of Building and Real Estate, PolyU | |

Top row: Dr Laurence Lloyd B. PARIAL (1st from right); Dr Esther Yung (2nd from left).



Left: Dr Ivy Zhao;
right: Prof. Angela Leung.

Prof. Angela Leung, Director; and **Dr Ivy Zhao**, Deputy Director of WHO CC for Community Health Services were invited to speak in the Symposium on ‘Person-centered Integrated Care in Primary Healthcare’ organised by Christian Family Service Centre on 31 October. Prof Leung highlighted the importance of person-centred care (PCC) in older population and the need of health and social care collaboration, with ICOPE care pathway as example, while Dr Zhao shared the preliminary results of her project engaging older adults with hearing loss in a web-based game-like hearing-cognitive dual-task training. The speeches were well-received with 140 audiences in the Symposium.

PhD Research Showcase

Intervention enhances Sense of Coherence in managing prediabetes

Chronic diseases are believed to be associated with stress. The Salutogenic Health Model focuses on the role of Sense of Coherence (SoC), which includes individuals' comprehensibility, manageability and meaningfulness of life events ^{1 2} in affecting resilience and perception of challenges. High SoC promotes individuals' state of well-being ^{3 4}, and better management of chronic diseases.

Ms Yaqian Liu, our PhD student, [Supervisor: Prof. Angela Leung, Associate Head (Research) & Professor; Co-supervisor: Dr Jed Montayre, Associate Professor] systematically reviewed literature to identify interventions for improving SoC among older adults with chronic disease. She found that the salutogenic-based intervention that helped the research participants to comprehend stressful life events, use available resources to cope with challenges, and find meanings from their experiences could bring significant positive effects on the SoC of the participants within-3-month after intervention.

Many pre-diabetic individuals have low SoC level with limited capacity to achieve desired lifestyle changes. In order to strengthen their motivation, coping styles and abilities to use resources for better health outcome, Yaqian adopted the Salutogenic approach to perform a qualitative analysis on a small group of recruited pre-diabetic older adults. She found that prediabetic older adults predominantly relied on personal resilience, community support, and healthcare guidance as coping resources. Meaningfulness emerged as the participants viewed their proactive health behaviors as future investments.

Based on the findings, Yaqian is developing the Resources-orientated Salutogenic (ROS) intervention aimed to support pre-diabetic older adults to identify and utilise available resources to cope with stress associated with prediabetic conditions. The intervention will undergo a content validity assessment by six diabetes experts. Once it is validated, pre-diabetic older adults will be recruited from a District Health Centre as research participants and a pilot randomised control trial will be conducted to assess the feasibility and acceptability of the intervention and estimate its preliminary efficacy on improving the sense of coherence, health literacy, coping styles, perceived stress associated with prediabetic conditions, and blood sugar level among the participants. It is expected that this pioneering study will provide new insights into optimisation for salutogenic intervention in pre-diabetes.

References:

1. Antonovsky A. The structure and properties of the sense of coherence scale. *Soc Sci Med* 1993;36:725–33.10.1016/0277-9536(93)90033-Z
2. Eriksson M, Lindström B. Antonovsky's sense of coherence scale and its relation with quality of life: a systematic review. *J Epidemiol Community Health* 2007;61:938–44. 10.1136/jech.2006.056028
3. Antonovsky A. *Health, stress and coping*. San Francisco: Jossey-Bass, 1979.
4. Antonovsky A. *Unraveling the mystery of health—how people manage stress and stay well*. San Francisco: Jossey-Bass, 1987.

Yaqian at UBC

This summer, in addition to embarking on her research work at PolyU, Yaqian, participated in an exchange programme to the Innovation Dementia and Ageing Lab (IDEA Lab) at the University of British Columbia (UBC), Canada, supported by the PolyU Research Student Attachment Programme. There, under the guidance of her Host Supervisor, Dr Lilian Hung, (Associate Professor and Canada Research Chair in Senior Care), she engaged in advanced research on dementia and aging and received advice that has helped refine the research methodologies and some of the goals of her PhD project.

During the exchange, she attended a session on the WHO Integrated Care for Older People (ICOPE) Framework to learn more about community care for older adults in Singapore and Asia. This exposure has helped her rethink how to incorporate community resources and cultural considerations into her proposed Resources-oriented Salutogenic (ROS) intervention. One of her impressive experiences was to work with the healthcare professionals to co-create a Virtual Reality application for dementia patients. In this activity, she gained new knowledge and skills in qualitative data collection, interviewing, and learnt how to give guidance to the research participants throughout the VR experience. "These learning is useful for my PhD project, particularly, in using the skills to assess the experiences of pre-diabetic individuals pre-and-post the proposed ROS intervention." said Yaqian.



At UBC, Yaqian (front row, 1st from left) joined a team to create a virtual reality application for dementia patients.

Research publications

- Abu-Odah, H., Leung, D., Chan, E. A., Bayuo, J., Su, J. J., Ho, K. Y., Lam, K. K. W., Yuen, J. W. M., Zhao, I. Y., Allsop, M. J., Al Zoubi, F. M., Al Khaldi, M. N., Krakauer, E. L., & Molassiotis, A. (2024). Oncology nurses' lived experience of caring for patients with advanced cancer in healthcare systems without palliative care services. *International Journal of Palliative Nursing*, 30(7), 370-378. <https://doi.org/10.12968/ijpn.2024.30.7.370>
- Abu-Odah, H., Sheffield, D., Hogan, S., Yorke, J., & Molassiotis, A. (2024). Effectiveness of creative arts therapy for adult patients with cancer: a systematic review and meta-analysis. *Supportive Care in Cancer*, 32(7), Article 430. <https://doi.org/10.1007/s00520-024-08582-4>
- Alex, J., Ramjan, L. M., Ferguson, C., Fishburn, M. L., Montayre, J., & Salamonsen, Y. (2024). Development and psychometric evaluation of the catheter assessment, management and performance (CAMP) scale for nurses. *Nurse Education in Practice*, 80, Article 104122. <https://doi.org/10.1016/j.nepr.2024.104122>
- Bayuo, J., Wong, K. C., Wong, K. Y., Baffour, P. K., & Kuug, A. K. (2024). Sexual role functioning, sexual satisfaction, and intimacy after surviving burn injuries: a scoping review of associated factors, screening tools, and burn care staff preparedness. *Journal of Burn Care and Research*, 45(4), 990-1000. <https://doi.org/10.1093/jbcr/irae004>
- Belay, G. M., Mak, Y. W., Wong, F. K. Y., Lam, K. K. W., Liu, Q., Yang, F., Mao, T., Wu, C. S. T., & Ho, K. Y. (2024). Psychosocial treatment options for adolescents and young adults with alcohol use disorder: systematic review and meta-analysis. *Frontiers in Public Health*, 12, Article 1371497. <https://doi.org/10.3389/fpubh.2024.1371497>
- Chai, Y., Tang, J. Y.-M., Ma, D. C. F., Luo, H., & Chan, S. K. W. (2024). Self-harm and suicide rates before and after an early intervention program for patients with first-episode schizophrenia. *JAMA network open*, 7(8), e2426795. <https://doi.org/10.1001/jamanetworkopen.2024.26795>
- Chan, S. W., Tam, H. L., Wong, K. C. F., Ho, M. C. J., & Yan, C. W. E. (2024). Examining the interplay of psychological well-being, health, and aging in older LGBT adults: a systematic review. *Sexuality Research and Social Policy: Journal of NSRC*. <https://doi.org/10.1007/s13178-024-01024-0>
- Chen, S. C., Lin, S. L., Wang, M., Cheung, D. S. T., Liang, J. G., Cheng, Z. Y., Yuen, C. S., & Yeung, W. F. (2024). Pediatric massage therapy in infants and children under 5 years: An umbrella review of systematic reviews. *Heliyon*, 10(16), Article e35993. <https://doi.org/10.1016/j.heliyon.2024.e35993>
- Chen, S.C., Ruan, J.Y., Zhang, B., Pang, L.Y., Zhong, L., Lin, S.L., Wong, K.P., Ouyang, H.X., Yeung, W.F., Fu, Q.W., & Chen, B.Q. (2024). Traditional Chinese medicine interventions based on meridian theory for pain relief in patients with primary dysmenorrhea: a systematic review and network meta-analysis. *Frontier in Medicine* (Lausanne), 2024;11, 1453609. <https://doi.org/10.3389/fmed.2024.1453609>
- Cheng, K. M., Zhao, Y., Maneze, D., Holroyd, E., & Leung, A. Y. M. (2024). Family caregivers' perceptions and experiences of supporting older people to cope with loneliness: a qualitative interview study. *International Journal of Mental Health Nursing*. <https://doi.org/10.1111/inm.13398>
- Chien, W. T., Ma, D. C. F., Bressington, D., & Mou, H. (2024). Family-based interventions versus standard care for people with schizophrenia. *Cochrane Database of Systematic Reviews*, (10), CD013541. (Advance online publication). <https://doi.org/10.1002/14651858.CD013541.pub2>
- Curry, G., Cheung, T., Zhang, S. D., Logue, S., McAnena, L., Price, R., & Sittlington, J. J. (2024). Repeated electrical vestibular nerve stimulation (VeNS) reduces severity in moderate to severe insomnia; a randomised, sham-controlled trial; the modius sleep study. *Brain Stimulation*, 17(4), 782-793. <https://doi.org/10.1016/j.brs.2024.05.010>
- Eltaybani, S., Igarashi, A., Cal, A., Lai, C. K. Y., Carrasco, C., Sari, D. W., Cho, E., Haugan, G., Bravo, J. D., Abouzeid, N. A., Wachholz, P. A., Isaramalai, S.-a., Dawood, S. S., Pappas, Y., Abd-El-Moneam, A. A. E. G., Rodríguez, A. B., Alqahtani, B. A., Pereira, C. L. N., Janssen, C. R. S., . . . Yamamoto-Mitani, N. (2024). Promoting workplace retention during global crises: An international survey of the preventive role of psychological support among victims of social discrimination in long-term care facilities. *Geriatric Nursing*, 59, 94-102. <https://doi.org/10.1016/j.gerinurse.2024.06.021>
- Galgani, S., Sawyer, C., King, J., Dockry, R., Wingfield-Digby, J., Holt, K., Mitchell, J., Sen, S., Birchall, D., Solari, F., Smith, J., & Yorke, J. (2024). Development and validation of a novel questionnaire to describe and assess sensations and triggers associated with refractory and unexplained chronic cough. *BMJ Open Respiratory Research*, 11(1). <https://doi.org/10.1136/bmjresp-2024-002430>
- Gayesa, R. T., Xie, Y. J., & Ngai, F. W. (2024). Psychometric evaluation of the Afaan Oromo version of the exclusive breastfeeding social support scale among Ethiopian women. *Midwifery*, 138, Article 104154. <https://doi.org/10.1016/j.midw.2024.104154>
- Gu, J., Sun, X., Shi, Y., Wang, S., Wang, P., Liu, L., Liu, Y., & Wang, P. (2024). The hidden costs of informal caregiving: a concept analysis. *BMC Nursing*, 23(1), Article 617. <https://doi.org/10.1186/s12912-024-02293-1>
- Gui, Z., Zhang, Q., Sha, S., Li, X. H., Su, Z., Cheung, T., Cui, X. L., Ungvari, G. S., Wong, K. K., Ng, C. H., Yuan, F., & Xiang, Y. T. (2024). Bipolar disorder and oxidative stress: A bibliometric perspective. *Asia-Pacific Psychiatry*, 16(3), Article e12564. <https://doi.org/10.1111/appy.12564>
- Gunawan, J., Aunguroch, Y., & Montayre, J. (2024). ChatGPT integration within nursing education and its implications for nursing students: A systematic review and text network analysis. *Nurse Education Today*, 141, Article 106323. <https://doi.org/10.1016/j.nedt.2024.106323>
- Harris, E., Yorke, J., Law, K., Winter-Roach, M. B., & Taylor, S. (2024). Advanced ovarian cancer patients' experiences of surgical treatment: a qualitative analysis. *Seminars in Oncology Nursing*, 40(4), Article 151679. <https://doi.org/10.1016/j.soncn.2024.151679>
- He, Q., Dizon, J. I. W. T., Ganotice, F. A., Zheng, B., Yeung, P. P. N., Shen, X., Ho, Y. W., Wong, K. C., Cheng, F. W. T., Chan, K. M. K., Chan, L., Chan, S. S. C., Chow, A. Y. M., Chu, J. K. P., Chua, D. M., Dung, E. C.-H., Lee, W.-N., Leung, F. C. Y., Wang, Q., ... Tipoe, G. L. (2024). Unveiling the impact of interprofessional education on shaping students' interprofessional identity and collaboration perception: A mixed-method study. *BMC Medical Education*, 24(1), Article 855. <https://doi.org/10.1186/s12909-024-05833-0>

Research publications (con't)

- Ho, F. Y. Y., Poon, C. Y., Wong, V. W. H., Chan, K. W., Law, K. W., Yeung, W. F., & Chung, K. F. (2024). Actigraphic monitoring of sleep and circadian rest-activity rhythm in individuals with major depressive disorder or depressive symptoms: A meta-analysis. *Journal of Affective Disorders*, 361, 224-244. <https://doi.org/10.1016/j.jad.2024.05.155>
- Hung, M. S. Y., Ng, W. W. M., & Choi, E. K. Y. (2024). Physical activity, sedentary behavior, and body image among young adults in Hong Kong: a cross-sectional study. *Healthcare (Switzerland)*, 12(18), Article 1825. <https://doi.org/10.3390/healthcare12181825>
- Kor, P. P. K., Yu, C. T. K., Li, Y., Tsang, A. P. L., Tan, L. H. Z., Lam, S. C., Lee, P. H., Liu, J. Y. W., Leung, A. Y. M., & Lee, K. C. (2024). Development and validation of a health literacy scale for family caregivers of older people with chronic illness. *BMC Nursing*, 23(1), Article 447. <https://doi.org/10.1186/s12912-024-02057-x>
- Lam, M. I., Bai, W., Feng, Y., Zhang, Q., Zhang, Y., Jackson, T., Rao, S. Y., Ho, T. I., Su, Z., Cheung, T., Lopes Lao, E. P., Sha, S., & Xiang, Y. T. (2024). Comparing network structures of depressive and anxiety symptoms between demographically-matched heart disease and heart disease free samples using propensity score matching: Findings from the Chinese Longitudinal Healthy Longevity Survey (CLHLS). *Journal of Psychosomatic Research*, 187, Article 111910. <https://doi.org/10.1016/j.jpsychores.2024.111910>
- Li, M., Fan, X., Li, J., Wang, J., Yin, P., Zuo, R., Xie, Y. J., & Hao, C. (2024). The impact of long-term care insurance on healthcare utilization and expenditures among middle-aged and older Chinese adults: a quasi-experiment study. *International journal for equity in health*, 23(1), 211. <https://doi.org/10.1186/s12939-024-02297-y>
- Li, Y. (2024). A theory and evidence-based artificial intelligence-driven motivational digital assistant to decrease vaccine hesitancy: intervention development and validation. *Vaccines*, 12(7), Article 708.
- Liu, J., Gui, Z., Chen, P., Cai, H., Feng, Y., Ho, T. I., Rao, S. Y., Su, Z., Cheung, T., Ng, C. H., Wang, G., & Xiang, Y. T. (2024). A network analysis of the interrelationships between depression, anxiety, insomnia and quality of life among fire service recruits. *Frontiers in Public Health*, 12, Article 1348870. <https://doi.org/10.3389/fpubh.2024.1348870>
- Liu, Y., Leung, A. Y. M., Lau, T., Montayre, J., Wang, W., Wang, S., & Huang, Y. (2024). Sense of coherence in stroke: A concept analysis with Rodger's evolutionary approach. *Nursing and Health Sciences*, 26(3), Article e13151. <https://doi.org/10.1111/nhs.13151>
- Lo, H. K. Y., Fong, T. K. H., Cheung, T., Ngan, S. T. J., Lui, W. Y. V., Chan, W. C., Wong, C. S. M., Wong, T. K. T., & Cheng, C. P. W. (2024). Enhanced cognition and modulation of brain connectivity in mild neurocognitive disorder: the promise of transcranial pulse stimulation. *Biomedicines*, 12(9), Article 2081. <https://doi.org/10.3390/biomedicines12092081>
- Ma, T., Sirard, J., Yang, L., Li, Y., Tsang, S., & Fu, A. (2024). Revisiting the concept of bout: associations of moderate-to-vigorous physical activity sessions and non-sessions with mortality. *International Journal of Behavioral Nutrition and Physical Activity*, 21(1), Article 81. <https://doi.org/10.1186/s12966-024-01631-5>
- Molassiotis, A., Yorke, J., McCarthy, A. L., Wengstrom, Y., Gibson, F., & Abu-Odah, H. (2024). The evolution of worldwide nurse-led cancer research in the last 2 decades (2004–2022) a bibliometric mapping and visual analysis. *Cancer Nursing*, 47(5), E308-E317. <https://doi.org/10.1097/NCC.0000000000001260>
- Montayre, J. R. G., Kuo, K., Leung, K. M. C., & Zhao, Y. (2024). Measuring social frailty: a scoping review of available scales and tools. *The Gerontologist*. <https://doi.org/10.1093/geront/gnae114>
- Perry, M. B., Taylor, S., Khatoun, B., Vercell, A., Faivre-Finn, C., Velikova, G., Marsden, A., Heal, C., & Yorke, J. (2024). Examining the effectiveness of electronic patient-reported outcomes in people with cancer: systematic review and meta-analysis. *Journal of Medical Internet Research*, 26, Article e49089. <https://doi.org/10.2196/49089>
- Sawyer, C. S., Taylor, S., Carter, L., Stanworth, M., Davies, M., Thistlethwaite, F., Taylor, J., Eastwood, C., & Yorke, J. (2024). Development and validation of a patient reported experience measure for experimental cancer medicines (PREM-ECM) and their carers (PREM-ECM-Carer). *BMC Cancer*, 24(1), Article 500. <https://doi.org/10.1186/s12885-024-11963-x>
- Shi, N., Zhang, N., Wong, K. Y., Zhu, W., Lai, X., Jin, Y., Gu, C., Nie, L., Dong, X., & Wong, A. K. C. (2024). Perceptions of utilizing a symptom self-management app for breast cancer patients receiving outpatient chemotherapy. *European Journal of Oncology Nursing*, 71, Article 102624. <https://doi.org/10.1016/j.ejon.2024.102624>
- Su, J., Bayuo, J., Lin, R. S. Y., Wong, K. C., Abu-Odah, H. M. M., He, Q., & Batalik, L. (2024). Compassionate care during the COVID-19 pandemic. *BMC Nursing*, 23(1), Article 173. <https://doi.org/10.1186/s12912-024-01827-x>
- Taylor, S., Law, K., Coomber-Moore, J., Davies, M., Thistlethwaite, F., Calvert, M., Aiyegbusi, O., & Yorke, J. (2024). Correction to: Patient-reported outcome (PRO) instruments used in patients undergoing adoptive cell therapy (ACT) for the treatment of cancer: a systematic review. *Systematic Reviews*, 13(1), Article 117. <https://doi.org/10.1186/s13643-024-02540-1>
- Tenaw, L. A., Ngai, F. W., & Lam, K. (2024). Explore the lived childbirth experiences, challenges following childbirth, and coping strategies of teenage mothers: A qualitative meta-synthesis. *Midwifery*, 137, Article 104128. <https://doi.org/10.1016/j.midw.2024.104128>
- Thiang, O., Ho, G. W. K., Chiu, J., Lee, N., & Hsu, S. G. (2024). Mental health promotion in Hong Kong: a service evaluation of the coolminds pilot study. *Journal of School Health*, 94(9), 830-837. <https://doi.org/10.1111/josh.13492>
- Tsui, H. K. H., Wong, T. Y., Ma, C. F., Wong, T. E., Hsiao, J., & Chan, S. K. W. (2024). Reliability of theory of mind tasks in schizophrenia, ASD, and nonclinical populations: a systematic review and reliability generalization meta-analysis. *Neuropsychology Review*. (Advance online publication). <https://doi.org/10.1007/s11065-024-09652-4>
- Wang, W., Wang, S., Sun, Q., Zhang, Z., Zhou, C., Zhang, Q., & Mei, Y. (2024). Translation and psychometric validation of the Patient Participation Culture Tool for healthcare workers in Chinese nursing context. *BMC Nursing*, 23(1), Article 565. <https://doi.org/10.1186/s12912-024-02065-x>

Research publications (con't)

- Wang, Z., Xu, X., Yang, X., Wang, S., Zhou, Y., & Li, Y. (2024). Effects of multicomponent exercise on cognitive function in persons with mild cognitive impairment: A systematic review and meta-analysis. *International Journal of Nursing Studies*, 158, Article 104843. <https://doi.org/10.1016/j.ijnurstu.2024.104843>
- Williams, K. S., Hui, V., Ross, M., Zamanzadeh, D. J., Nguyen, V., Khan, Z. A., ... & Grando, A. (2024). Empowering diversity: striving for inclusivity by leveraging the American Medical Informatics Association's "For Your Informatics" Podcast. *JAMIA open*, 7(3), ooae072. <https://doi.org/10.1093/jamiaopen/ooae072>
- Wong, A. K. C., Bayuo, J., Wong, H. Y., Chow, K. K. S., WONG, S. M., Wong, B. B., Liu, B. C. M., Lau, D. C. H., & Kowatsch, T. (2024). The Effects of the Connecting all Generations Through the Gerontech (CARETech) Program on motivating young people to enter the elderly care sector. *Journal of Adolescent Health*. <https://doi.org/10.1016/j.jadohealth.2024.06.015>
- Wong, A. K. C., Bayuo, J., Wong, K. Y., Sum Chow, K. K., Man Wong, S., Wong, B. B., & Law, K. H. Y. (2024). Experiences of receiving an mHealth application with proactive nursing support among community-dwelling older adults: a mixed-methods study. *BMC Nursing*, 23(1), Article 232. <https://doi.org/10.1186/s12912-024-01909-w>
- Wong, A. K. C., Chan, E. A., Chan, K. S. Y., Johnston, J. J., Malik, G., Peddle, M., & Webster, K. F. (2024). The effects of video-based simulation in collaborative learning in a student-led global classroom (CLSGC) program on non-technical skills among undergraduate nursing students in three regions: A mixed-methods study. *Nurse Education Today*, 143, Article 106381. <https://doi.org/10.1016/j.nedt.2024.106381>
- Wong, K. C., Bayuo, J., Su, J., Sum Chow, K. K., Man Wong, S., Bonnie, W. P., Lee, A. Y. L., & Wong, K. Y. (2024). Exploring the experiences of community-dwelling older adults on using wearable monitoring devices with regular support from community health workers, nurses, and social workers: Qualitative descriptive study. *Journal of Medical Internet Research*, 26, Article e49403. <https://doi.org/10.2196/49403>
- Wong, K. P., Zhang, B., Xie, Y. J., Wong, F. K. Y., Lai, C. K. Y., Chen, S., & Qin, J. (2024). Impacts of job demands on turnover intention among registered nurses in Hong Kong Public Hospitals: Exploring the mediating role of burnout and moderating effect of pay level satisfaction. *Journal of Nursing Management*, 2024(1). <https://doi.org/10.1155/2024/3534750>
- Xie, Y. J., Tian, L., Deng, Y., Yang, L., Cheung, K., Li, Y., Wang, H. H., Hao, C., Siu, G. K. H., Zhang, Q., Molassiotis, A., & Leung, A. Y. M. (2024). Use of the PRECEDE-PROCEED Model in piloting vaccine promotion and infection self-protection: intervention development and effectiveness examination. *Vaccines*, 12(9), Article 979. <https://doi.org/10.3390/vaccines12090979>
- Yang, F., Ho, K. Y., Lam, K. K. W., Liu, Q., Mao, T., Wen, Y., Li, L., Yang, X., Xiao, N., Gao, Y., Xu, X., Wong, F. K. Y., Shi, H., & Guo, L. (2024). Facilitators and barriers to evidence adoption for central venous catheters post-insertion maintenance in oncology nurses: a multi-center mixed methods study. *BMC Nursing*, 23(1), Article 581. <https://doi.org/10.1186/s12912-024-02242-y>
- Yang, F., Ho, K. Y., Yorke, J., Wai Lam, K. K., Liu, Q., Guo, L., Fai, N. G. C., Anthony Liu, P. Y., Yuen, J., Belay, G. M., Mao, T., Law, K., Ying, C. S., Chan Chi Fung, G., Xu, X., Shi, H., & Wong, F. K. Y. (2024). Research progress on sexual functioning and associated factors in childhood cancer survivors: a scoping review. *EClinicalMedicine*, 73, Article 102695. <https://doi.org/10.1016/j.eclinm.2024.102695>
- Yang, Q., Sun, Q., Loke, A. Y., Hao, C., Wang, H. H., Qin, J., Yang, L., & Xie, Y. J. (2024). Cohort profile: migraine exposures and cardiovascular health in Hong Kong Chinese women (MECH-HK). *BMJ Open*, 14(7), e084228. <https://doi.org/10.1136/bmjopen-2024-084228>
- Zhang, B., Ding, P., Hui, V., Wong, K. P., Liu, Y., Liu, Z., ... & Qin, J. (2024). Technology acceptance of the video game-based swallowing function training system among healthcare providers and dysphagia patients: A qualitative study. *Digital Health*, 10, <https://doi.org/10.1177/20552076241284830>
- Zhang, L., Cheung, K., & Xie, Y. (2024). Integrated application of Kolb's experiential learning theory and Jeffries simulation theory in the training of newly recruited nurses. *Asian journal of surgery*, S1015-9584(24)01918-3. (Advance online publication). <https://doi.org/10.1016/j.asjsur.2024.08.178>
- Zhang, Q., Ge, S., Zhang, Z., Wang, W., Wang, S., YOONG, S. Q., Lin, B., & Mei, Y. (2024). The experience of mutual support during hospitalization of co-morbid couples with recurrent older stroke survivors - A descriptive phenomenological study. *Geriatric Nursing*, 59, 187-195. <https://doi.org/10.1016/j.gerinurse.2024.06.048>
- Zhang, Q., Wong, K. C., & Bayuo, J. (2024). The role of chatbots in enhancing health care for older adults: A scoping review. *Journal of the American Medical Directors Association*, 25(9), Article 105108. <https://doi.org/10.1016/j.jamda.2024.105108>

We are excited to share the joy that TWO of our colleagues, **Dr Phyllis Pang**, Clinical Associate; and **Dr Shan Shan Wang** Assistant Professor, have been recognised as the Distinguished Educator in Gerontological Nursing by the National Hartford Center of Gerontological Nursing Excellence (NHCGNE). This brings the total number of our academic members who have been honoured by this award to five*.

In celebrating their achievements, the two awardees shared their views on the essential qualities of an outstanding nurse educator and the strengths and contributions of nurses in different generations.



Dr Phyllis Pang (left) and Dr Shan Shan Wang (right).

1. Shan Shan: Why did you decide to become a nurse educator? What was the biggest challenge you have faced as an experienced nurse educator?

Phyllis: I had worked as a nurse and served in different care settings, including acute care in hospitals, community care (home care settings), and residential care facilities. Having dedicated 22 years to the frontline of healthcare, I wanted to transfer my knowledge and share the clinical experience, therefore I joined PolyU in 2006.

Nurturing students' caring attitude towards patients (particularly older individuals) and patients' families is challenging because it goes beyond what could be taught in lectures or clinical settings. In order to care for patients, students must first experience care and respect from others in their daily lives. I am grateful for having the opportunities to serve as a role model and demonstrate a caring attitude to inspire my students through interaction and teaching.

2. Phyllis: What specific teaching accomplishments do you have that led to your selection and acknowledgment through this award?

Shan Shan: I have over ten years of teaching experience and my teaching performance has been highly rated by my students. I think the judging panel also considered the teaching grants and educator awards that I had received and my contributions to serving older adults in the community and training care workers at aged care facilities.

3. Shan Shan: What does this award mean to you?

Phyllis: It means a lot to me. It is an achievement, a satisfaction, a self-actualisation, and a recognition of my 18-year of teaching, especially on gerontological nursing.

4. Phyllis: In addition to the NHCGNE award, you are being selected to receive the Faculty Awards in Research & Scholarly Activities. What is your key to be a success in both teaching and research?

Shan Shan: I have been applying my research findings on ageing in teaching and utilising real-life examples observed from my clinical and research experiences in encouraging student engagement and nurturing their reflective thinking.

I love the work that I am doing, have a passion for both research and teaching, and I genuinely cared for my research participants and students. I believe this dedication is the key to excelling in both teaching and research.



5. Shan Shan: What do you think is the most important quality of an outstanding nurse educator?

Phyllis: The most crucial quality we should possess is a sense of dedication towards achieving our mission and vision using our expertise and knowledge. While no educator is perfect, it is essential to be persistent in our principles and be adaptable in managing and interacting with people from different backgrounds with various needs.

6. Phyllis: In your opinion, what are the strengths of young nursing educators? What kinds of guidance they most needed from experienced educators?

Shan Shan: Young nursing educators are energetic and open-minded. When I began my teaching career, I was fortunate to have a mentor with over 30 years of teaching experience who shared with me her valuable teaching strategies. I observed her class teaching for an entire semester and learnt how to effectively engaged and communicated with students. Example is better than precept. This experience was very helpful to me.

7. Shan Shan: What advice would you give to young nurse educators to support their development and becoming good teachers?

Phyllis: The willingness 'to learn how to learn and to care how to care' is a driving force that will move us forward to advancing nursing education. Nurse educators may need to perceive their teaching as beyond just a job, but as a continuous career and calling that requires them to integrate their knowledge, self-reflection, and dedication to creating a meaningful impact on the development of nursing.

8. Phyllis: How do young nursing educators make an impact on future nursing education?

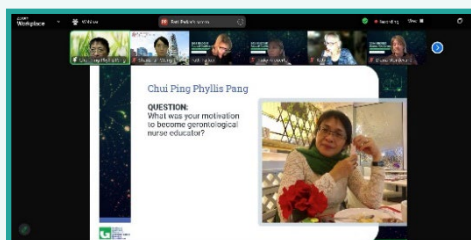
Shan Shan: To genuinely comprehend our students' needs and genuinely care about their emotions.



* other receipts of the award include: Dr Angela Leung (2018); Dr Daphne Cheung (2019), has since left the School; and Dr Patrick Kor (2022).

About Dr Phyllis Pang

Specialised in gerontological nursing, Phyllis is contributing her expertise in elderly care and service-learning to the School. She was the Deputy Programme Leader (Junior Years) of the School BSc (Hons) in Nursing programme in 2013/14 academic year). Currently, a Fellow of the Hong Kong College of Gerontology Nursing and College of Education and Research in Nursing, the Hong Kong Academy of Nursing & Midwifery. She received the Improving the Student Experience Award from the School in 2016 and the Staff Development Grant in Service-Learning (2013/14) from PolyU's Communities of Practice-Office of Service Learning (currently known as Service Learning and Leadership Office).



Phyllis talked about her motivation to become a nurse educator at the Distinguished Educator in Gerontological Nursing Induction ceremony at the NHCNE's annual conference.

About Dr Shan Shan Wang

Dr Shanshan Wang, an expert in gerontological nursing, Assistant Professor and currently the Deputy Programme Leader of the MSc in Nursing programme.

Shanshan was a lecturer at Zhengzhou University, Mainland China, where she received several teaching grants and distinguished educator awards. During her PhD study at PolyU, she was awarded the Fulbright-Research Grants Council (RGC) Hong Kong Research Scholar Award, which supported her eight-month research activity on bibliotherapy and dementia caregiving at Johns Hopkins University School of Nursing, the United States.

Supported by the Health Bureau of Hong Kong Government, Shan Shan underwent a three-month overseas research training at Griffith University, Australia, this summer. She is being selected to receive the Outstanding Young Researcher Award– Individual from PolyU's Faculty of Health and Social Sciences.



Shan Shan received the Distinguished Educator in Gerontological Nursing honour at the Induction ceremony at the NHCNE's annual conference.

About NHCNE

NHCNE is a collaboration of nursing schools and institutions based in the United States, whose mission is to enhance and sustain the capacity and competency of nurses to provide quality care to older adults. PolyU School of Nursing is its member

Achievements

Four researchers recognised as World’s Top 2% scientists

It is our pleasure to learn that four faculty members have been recognised in the World’s Top 2% Most-cited Scientists 2024 lists, for their notable citation impact throughout their careers, with data updated until the end of 2023. The list, compiled by Stanford University, classified scientists into 22 scientific fields and 174 sub-fields according to the standard Science-Metrix classification.



| Name of Researcher | Titles | Subject Field | Rank in Field (self-citations excluded) | Field Size |
|---------------------------|--|--|---|------------|
| Prof. Frances Wong | Chair Professor of Advanced Nursing Practice & Associate Dean (FHSS) | Nursing-Geriatrics | 315 | 60,753 |
| Claudia Lai | Honorary Professor | Nursing-Geriatrics | 565 | 60,753 |
| Alice Yuen Loke | Professor of Practice (Family and Community Health) | Nursing-Public Health | 753 | 60,753 |
| Prof. Harry Qin | Professor | Artificial Intelligence & Image Processing | 6,802 | 399,064 |

The above data was retrieved from the 7 version of the World’s Top 2% Most-cited Scientists 2024 lists (career-long citation impact) which was developed based on data from Scopus

IVR Motor-Cognitive Training System getting ready to commercialise [HK Short-term Patent:HK30085570]

If the system is sold on the market and is able to reach consumers effectively, it will be one of the few nursing research studies capable of generating income for the School as a marketable product.

- *Dr Yan Li*, Principal Investigator, [& Assistant Professor (Presidential Young Scholar)] and her research team [members including *Prof. Janelle Yorke*, Angel S.P. Chan Lau Professor in Health and Longevity, Chair Professor of Nursing & Head of the School; Hong Kong SAR, Global STEM Professor; and *Dr Mengqi Li* (Postdoctoral Fellow, has since left the School), PolyU’s School of Nursing; Dr Richard Li (Assistant Professor, PolyU’s Department of Applied Social Sciences and the Department of Computing)] have received the Healthy Longevity Catalyst Award in the Healthy Longevity Global Competition organised by the U.S. National Academy of Medicine. Their study aims to develop a digital strolling intervention for people with severe mobility impairment and test the feasibility, acceptability, and preliminary effects on depression and quality of life of the intervention. The competition consists of three progressive phases during which innovators have the opportunity to compete for increasingly larger awards at the Catalyst, Accelerator, and Grand Prize levels. The project is sponsored by the Research Grants Council.



From left: Dr Yan Li and Prof. Janelle Yorke.

- *Dr Shanshan Wang*, Assistant Professor, has received the Faculty Award in Research & Scholarly Activities [2024] (category: Individual; Outstanding Young Researcher) in recognition of her outstanding achievement.
- *Prof. Angela Leung*, Associate Head (Research) & Professor, is a member of the PolyU interdisciplinary consultancy team that has assisted the Housing Bureau and the Hong Kong Housing Authority to develop a resident-oriented Well-being Design Guide for assessing the impact of public housing design on residents' subjective well-being. The team expects that the Guide will enhance well-being among public housing residents.

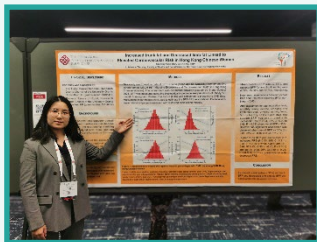


- *Dr Ivy Zhao*, Assistant Profess, was invited as Topic Editor for *Frontiers in Psychiatry* [2023 journal Impact factor 3.2 according to the Journal Citation Reports from Web of Science] with a special research topic ‘Healthy ageing, social psychiatry of older adults and family caregivers’, commencing August 2024 to May 2025.

- *Ms Jiayin Ruan*, PhD student (Supervisor: Dr Jerry Yeung, Associate Director of Research Centre for Chinese Medicine Innovation & Associate Professor; Co-supervisor: Dr Yim-wah Mak, Associate Professor) received the Youth Outstanding Thesis Award for her presentation titled 'Feasibility and Effects of Traditional Chinese Medicine (TCM) Lifestyle Medicine Program for Depression: A Pilot Randomized Controlled Trial' at the 20th International Postgraduate Symposium on Chinese Medicine, held on 16 August. The symposium was part of the International Conference & Exhibition of the Modernization of Chinese Medicine & Health Products hosted d by Hong Kong Trade Development Council.



- *Ms Qingling Yang*, PhD student (Supervisor: Dr Grace Xie, Associate Professor; Co-supervisor: Dr Kin Cheung, Associate Professor), received the Healthcare 2024 Travel Award, (two awardees every year) from MDPI, a scholarly, open access publishing. The award provides financial support of Swiss franc 500 (approx. HKD 4,500 as of 16 October) for her to attend the Epi/Lifestyle 2024 Scientific Session held by the American Heart Association at Chicago, USA, on 18-22 March.



Appointment

- *Dr Betty Chung*, Assistant Professor of Practice, has been reappointed as an external examiner for the 4-year Professional Diploma in Nursing programme, offered by three hospitals (Caritas Medical Centre, Tuen Mun Hospital and Queen Elizabeth Hospital) of the Hospital Authority.

Alumni News

Outstanding Alumni Award

Dr Danny Tong, Chief Manager (Nursing) / Chief Nurse Executive, Hospital Authority, received the Outstanding PolyU Alumni Award (2024) in Professional Achievement. This award was granted at the departmental level.

Dr Tong was an ICU nurse and he completed the Doctor of Philosophy in PolyU in 2005. He led his team to set up the Infectious Disease Simulation Training Centre, launch Hong Kong's first local Infectious Disease Nursing Specialty training course and establish a working group to promote evidence-based practice among nurses in the Hospital Authority.



From left: Dr Danny Tong

Alumni activities

Joined by Prof. Jin-Guang Teng, President of PolyU, and Dr Miranda Lou, Executive Vice President of PolyU, alumni enjoyed an annual dinner on 4 October, which was organised by the Federation of Hong Kong Polytechnic University Alumni Associations. The dinner provided great opportunity for alumni connect and build stronger relationships.



On 19 October, the PolyU Alumni Homecoming Day, twenty alumni and student volunteers provided basic health check (including measuring of the body mass index, blood pressure/ arterial oxygen saturation, colour blindness screening and health counseling) to about 400 visitors of the booth, set up jointly by the Alumni Association of Nursing Studies and the FHKPUAA.



[1] Alumni and their families visited the Yakult Factory and the Hong Kong Observatory [2].

Current Issues

Apr

The CAS SIAT-PolyU Multi-modal Medical Molecular Imaging Joint Laboratory, proposed by Prof. Harry Qin, Professor, has been approved to be established. The laboratory will leverage the complementary advantages of The Hong Kong Polytechnic University (PolyU) and Shenzhen Institutes of Advanced Technology (SIAT), Chinese Academy of Sciences (CAS). It will be one of the four CAS-PolyU Joint Laboratories located in PolyU and it will serve as a world-class laboratory for imaging and image analysis.

29 May & 27 Jun

Clinical update activities were organised for the mental health clinical education team. The visits to the Department of Psychiatry, Pamela Youde Nethersole Eastern Hospital (photo 1); and the Tuen Mun Integrated Community Centre for Mental Wellness under the Hong Kong Sheng Kung Hui Welfare Council Limited (photo 2) gave the team new knowledge on the use of new technology, such as AI and robots in psychiatric in-patient settings and enhanced care delivery in community mental health services.



8-19 Jul

Under the Global Nursing Leadership programme, four students on the Master of Nursing programme took up the role as student leaders to mentor and supervise the undergraduate nursing students to deliver service-learning activities, including physical and cognitive assessment for the older people, in a village in Indonesia.

26-28 Aug



Sponsored by the School and led by Dr Jed Montayre (mid in photo 1, dressed in light blue), Associate Professor, 11 undergraduate and two master's students participated in the Healthcare Students' Forum, held concurrently during the International Forum on Quality and Safety in Healthcare, which was jointly organised by the Institute for Healthcare Improvement (IHI) and BMJ Group in Hong Kong. The students engaged in case-scenario based discussion about healthcare quality and safety with the students and faculty members from other local higher education institutes and the faculty members from the Hospital Authority.

At the main Forum, Dr Arkers Wong (photo 2), Associate Professor, presented his study on effectiveness of a community-based health-social partnership programme for community-dwelling older adults.

27 Aug

In collaboration with the Hong Kong Society of Children's Palliative Care, the School announced the findings of a qualitative study led by Prof. Frances Wong, Chair Professor of Advanced Nursing Practice; (& Associate Dean of PolyU's FHSS) and Ms Jacqueline Ho, Assistant Professor of Practice. The study has revealed the multifaceted needs from the children with life-limiting conditions and their parents, which included medical care and daily life support.



The research team highlighted the crucial roles of pediatric nurses in improving the quality of life for patients and their families, as well as the importance of increased participation of parent caregivers in paediatric palliative care and early introduction of the service.

28 Aug

Undergraduate freshmen attended the School's new student orientation to learn more about our programmes, clinical expectations, and Student Academic Advising.

In the photos: The Programme leaders, Mr Timothy Lai, Associate Professor of Practice, and Dr Sau Fong Leung, Associate Professor, introduced the schedules of programmes for the upcoming year and helped newcomers become familiar with the School and its faculty.



29-30 Aug

Five PhD students presented their work at the 2nd PolyU Research Student Conference.

In the photo: From left: Mr Xiaoxiao Mei, Mr Lebeza Alemu TENAW, Ms Jiaying Li, Ms Yule Hu; and Mr Terence Lau [not in the photo] at the conference.



19 Sep



Prof. Angela Leung, Associate Head (Research) & Professor, served as a moderator in a seminar took place in of the World Alzheimer's Awareness Month to remind the public the struggle of giving care to persons with Alzheimer and dementia. The seminar hosted by Hong Kong Council of Social Service gave the stakeholders an opportunity to exchange views on the development and challenges of cognitive impairment services.

Earlier on 11 June, she was an invited speaker for a seminar titled 'Current Status and Latest Developments of Elderly Care in Hong Kong' held in Lianyungang First People's Hospital, Jiangsu Province, Mainland China (江蘇省連雲港市第一人民醫院).

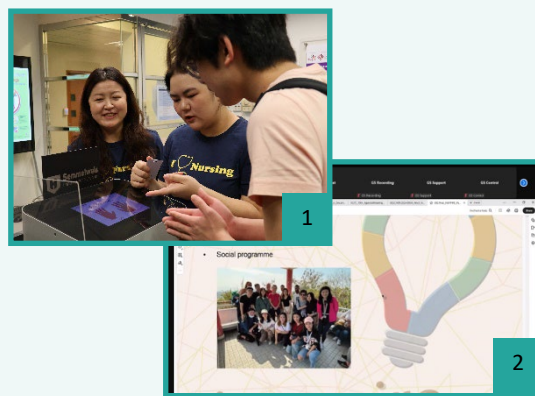
30 Sep

More than 30 DSE students from Band A secondary schools visited our labs to gain hands-on experience with intravenous injection practice and learn more about our Virtual Hospital. The new Global Nursing Leader Distinction programme was introduced to the students.



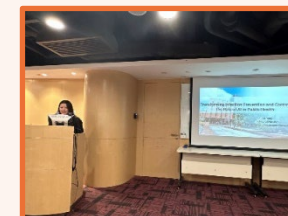
12 Oct

More than 3,000 visitors attended to our booth, labs, info seminars and consultation sessions to learn more about our undergraduate and taught postgraduate programmes at the PolyU Info Day. Earlier in the PolyU PhD Info Week, held from 3 to 8 October, the programme leaders introduced our PhD studies to the prospective students (photo 2).



15-16 Oct

Dr Lin Yang, Associate Professor, hosted a satellite meeting for the International Symposium on Ecosystem Change, Infectious Diseases Transmission, and Early Warning, which was organised by the Queensland University of Technology and the National Foundation for Australia-China Relations. She also gave a talk titled "Transforming Infection Prevention and Control: The Role of AI in Public Health".



22 Oct

The Joint Research Centre for Primary Health Care signed a memorandum of understanding (MoU) with the AIA Life Insurance Company Limited, Mainland China, for establishing research partnership.



Captioned: The MoU was signed by Mr Benny Zhang, Chief Customer Officer of AIA Life Insurance Company Limited, Mainland China and Prof. Janelle Yorke, Chair Professor of Nursing and Head of the School.

23-25 Oct

The School hosted the blood drive on campus and PolyU was presented with the Elite Partnership Award 2024 (University) for being one of the universities with highest blood collection in 2023/24.



At the award presentation ceremony, Dr C K Lee, Chief Executive and Medical Director, Hong Kong Red Cross Blood Transfusion Service (6th from right) expressed thankfulness to the School's support during the University Blood Donation Marathon. Prof. Engle Angela Chan [6th from left], Associate Head (Undergraduate Education) presented the School to attend the ceremony.

24-25 Oct

Prof Janelle Yorke, Chair Professor of Nursing & Head; Dr Eva Ho and Dr Lin Yang Associate Professors; and Dr Yan Li, Assistant Professor (Presidential Young Scholar) visited the Schools of Nursing, Shanghai Jiaotong University (photo 1) and Fudan University (photo 2: Affiliated Fudan University Shanghai Cancer Center) to discuss student exchange and research collaborations.



2 Nov

The School co-organised the NICHE Research Symposium. Prof. Frances Wong [Chair Professor of Advanced Nursing Practice & Associate Dean (FHSS)], gave an opening address as the Chairperson of the NICHE Research Committee. Dr Joyce Chung, Assistant Professor; Dr Dennis Ma, Assistant Professor of Practice; and Dr Arkers Wong, Associate Professor, presented their research findings respectively on the following topics: Efficacy of mountain craft training in enhancing the resilience and physical and psychological well-being of children from low-income families; the use of telehealth to deliver group cognitive behavioural family intervention for people with schizophrenia and their family caregivers; and promotion of holistic health of older people by mhealth interventions. Three groups of SN researchers (Prof. E Angela Chan, Associate Head (Undergraduate Education) and Dr Katherine Chang, Lecturer; Dr Shan Shan Wang, Assistant Professor; Dr Arkers Wong, Dr Kin Cheung, Associate professors, and Dr Jonathan Bayuo, Research Assistant Professor) presented their posters at the event. The Symposium was hosted by The Nethersole Institute of Continuing Holistic Health Education (NICHE), Alice Ho Miu Ling Nethersole Charity Foundation and the Nethersole School of Nursing, Faculty of Medicine, The Chinese University of Hong Kong.



Photo 1: Prof. Frances Wong gave an opening address at the symposium. Photo 2 [From right]: 1st, Dr Dennis Ma; 2nd, Dr Arkers Wong, 3rd, Dr Joyce Chung; 4th, Prof. Frances Wong; 5th Dr Shan Shan Wang; 6th Dr Jonathan Bayuo; and 7th Dr Robbie Wang, Postdoctoral Fellow. Photo 3: 2nd from right: Dr Katherine Chang.

8 Nov

The congregation was held. 509 nursing students completed their studies at all levels. 56 students received the Dean awards from the Faculty of Health and Social Sciences (FHSS). Dr Xuelin Zhang, our PhD graduate, received the FHSS Distinguished Thesis Award. The thesis explored the effects of dyad acceptance and commitment therapy-based intervention on health-related quality of life in chronic heart failure patients and their family caregivers.



Seminars

9 Sep

Topic:

- *Nursing students' perceptions of peer learning through cross-cultural student-led webinar: a qualitative study*
- *Academic writing for manuscript*



10 Sep

Topic:

- *Students' experience of participation in a research team: evaluation of a research-based teaching activity in higher education*
- *Research methods on participant observations and narrative analysis*



12 Sep

Topic:

- *The use of James Lind Alliance structure to identify research questions and practice*



Speaker:

Prof. Elisabeth Carlson
Professor, Department of Care Science, Malmö University, Sweden

10 Sep

Topic:

- *Chinese medicine promotes mental health lecture series - Traditional Chinese Medicine and mental health*



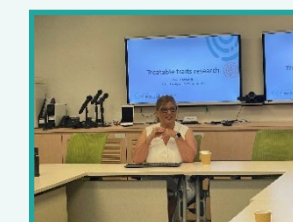
Speaker:

Dr Jerry Yeung
Associate Professor, School of Nursing, PolyU

20 Sep

Topic:

- *Personalised strategy for the management of lung disease: 'treatable traits'*



Speaker:

Prof. Vanessa McDonald
Professor, School of Nursing and Midwifery, College of Health, Medicine and Wellbeing, The University of Newcastle, Australia