



POLYU Junior Researcher Mentoring Programme 2024



Code:	JRMP2024_15
School / Department:	School of Nursing
Name of Research Team Member(s):	Dr Li Yan, Assistant Professor
Research Topic:	Digital preventive healthcare for people with physical disabilities: A research programme
Short Description of the Research Project:	<p>This project proposes a research programme that leverages digital health solutions to innovate preventative healthcare for individuals with physical disabilities in Hong Kong. The research studies within this programme will involve comprehensive literature reviews, the development of interventions and pilot testing.</p> <p>The proposed research topics include, but are not limited to, the following:</p> <ol style="list-style-type: none"> (1) telehealth interventions to improve cognitive functions and mental health among community-dwelling spinal cord injury survivors, with the aim of preventing cognitive impairment and/or depression; (2) ecological momentary intervention approaches to address the psychosocial needs of individuals suffering from ankylosing spondylitis; and (3) conversational agents to train teenagers with adolescent idiopathic scoliosis in effective coping strategies, with the goal of preventing depression and disengagement in physical treatment. <p>The participating student will be involved in the following research activities:</p> <ol style="list-style-type: none"> (1) meeting with the research team and having discussions with the supervisor about research ideas and project significance; (2) assisting the project leader in designing interventions; (3) performing data collection and data analysis with training from the supervisor; and (4) searching the literature and writing manuscripts with the supervisor and other team members.

No. of Places Offered:	3
Frequency of Meetings:	Bi-weekly
Special Requirement(s):	N/A

** The information presented above is subject to change.*