THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學

GLOBAL ENGAGEMENT OFFICE
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Junior Researcher Mentoring Programme 2023

Code:	JRMP2023_11
School / Department:	Department of Biomedical Engineering
Name of Research Team Member(s):	**Prof. Zheng Yongping**, Henry G. Leong Professor in Biomedical Engineering; Chair Professor of Biomedical Engineering; Director of Research Institute for Smart Ageing and Director of Jockey Club Smart Ageing Hub **Dr Timothy Lee**, Research Assistant Professor **Ms Lai Ka Lee**, Project Associate
Research Topic:	Evaluation of Spine Using Three-dimensional (3D) Ultrasound
Short Description of the Research Project:	BME Prof. Zheng's team has been working on ultrasound imaging related studies for years. Scolioscan is an innovative invention used for ultrasound scoliosis assessment with advantages like radiation-free. This favors continuous monitoring and timely treatment feedback for patients suffering from Scoliosis. The participating students will have chances to conduct a full scientific investigation from planning, writing a proposal to hands-on data collection. It is such a comprehensive way to learn and gain experience to work with others. From past experience, students who joined the mentoring program of BME had learnt so much related knowledge and got very fruitful outcomes. Meanwhile, they made new friends with their teammates and enjoyed the whole process. Hopefully this year such a positive atmosphere and extraordinary performance will be seen again.

No. of Places Offered:	5
Frequency of Meetings:	Bi-weekly
Special Requirement(s):	Preferred subjects taken: Biology / Physics
Remarks:	Scoliosis patients might be involved in the study.

The information presented above is subject to change.