



# POLYU Junior Researcher Mentoring Programme 2024



<b>Code:</b>	JRMP2024_05
<b>School / Department:</b>	Department of Biomedical Engineering
<b>Name of Research Team Member(s):</b>	Prof. Zheng Yongping, Chair Professor Dr Timothy Lee Tin-yan, Research Assistant Professor Miss Kelly Lai, Project Associate
<b>Research Topic:</b>	Evaluation of paraspinal muscles using 3D ultrasound
<b>Short Description of the Research Project:</b>	This project will optimise the scanning and experimental protocol for the evaluation of paraspinal muscles using 3D ultrasound. The participating students will apply 3D ultrasound to examine paraspinal muscles, recruit adolescents for ultrasound evaluation, and extract and evaluate muscle features from ultrasound data.
<b>No. of Places Offered:</b>	5
<b>Frequency of Meetings:</b>	Bi-weekly
<b>Special Requirement(s):</b>	It is preferable for the participating students to have taken Biology, Physics or Chemistry.  The in-person participation rate should be no less than 80% for the entire project period.

\* The information presented above is subject to change.