



PhD study on ankle sprain injury (self-funded)

Ankle sprain injury is very common in sports. Repeated ankle sprains may lead to chronic ankle instability, wearing of the articulating cartilage, early osteoarthritis, and ultimately an ankle fusion or joint replacement surgery.

We are looking for high calibre candidates to pursue PhD study on sport-related ankle sprain injury. Possible topics include (but not limited to):

- Forensic analysis of the injury mechanism.
- Developing video analysis software to analyse televised injury incidents.
- Prevention by new prophylactic devices or exercise programmes.
- Interventions to improve peroneal muscle reaction time.
- Treatment of chronic ankle instability.
- Computational simulation of ankle fusion / replacement surgery.

Applicants should have a first or upper second class bachelor degree in medicine, or a master degree in orthopaedics, physiotherapy, rehabilitation, kinesiology, sports medicine, sports science, biomechanics, biomedical engineering, mechanical engineering, physics or related subjects. Applicants must have completed their studies in English, or have an English language qualification. Experience in publishing in academic journal is required.

This is a self-funded position (with no closing date) with the School of Sport, Exercise and Health Sciences, Loughborough University, UK. Applicants are welcome to apply for external scholarship to support the study. Enquiries should be made to Dr Daniel T.P. Fong (d.t.fong@lboro.ac.uk). Please visit <http://danielfong.org> for information on previous work.



Dr Daniel T.P. Fong is a Fellow of The International Society of Biomechanics in Sports (ISBS), Fellow of The Hong Kong Association of Sports Medicine and Sports Science (HKASMSS), and Life Member of World Association of Chinese Biomedical Engineers (WACBE). He is currently the Editor-in-Chief of Sports Biomechanics Journal (2014-) and International Ankle Consortium Membership Committee Chair (2020-). LinkedIn: dtpfong, Twitter: @dtpfong