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James has a background in sports biomechanics. He graduated from his undergraduate with a BSc (Hons) in Sport and Exercise Sciences in 2015 from the University of Leeds. During the summer of 2015, James was one of the selected ARUK interns, carrying out research into the acute kinematic effects of footwear on tibial rotation in habitual minimalist versus habitual shod runners. Subsequently, he completed a Master's of Science by Research at the University of Leeds, investigating the acute stance phase kinetic and kinematic changes as a result of running shoe design.

In September 2016, James started his integrated PhD and MSc in Tissue Engineering and Regenerative Medicine – Innovation in Medical and Biological Engineering at the University of Leeds. His project evaluates the biomechanical and wear performance of total ankle replacements and will finish in September 2020.

James' research interests focusses on the pre-clinical testing of total ankle replacements and understanding the failure mechanisms in ankle replacements. James works closely alongside biologists, clinicians, bioengineers and industry to assess the biotribology of new treatment options and devices. His interests are also involved in the biomechanics associated with osteoarthritis, ankle arthrodesis and ankle replacements, as well as the ability return to sport and physical activity following end-stage ankle arthritis treatments.

<https://regenerative-medicine.leeds.ac.uk/profiles/james-hopwood/>

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