

**Dr Martin Warner**  
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Martin is a Senior Research Fellow in musculoskeletal biomechanics focusing on the mechanisms of joint dysfunction, specifically the upper limb and shoulder, in sport and physical activity. Martin graduated from University College Chichester with an undergraduate degree in Sport and Exercise Science and a Master's degree in Sports Biomechanics and later joined the Faculty of Health Sciences at the University of Southampton. Whilst undertaking a role as Research Laboratory Manager, Martin undertook and completed his PhD exploring the biomechanics of shoulder function through development of motion analysis methodologies and techniques for measuring scapular kinematics.

Martin has continued his research in the shoulder and upper limb to examine the biomechanical mechanisms that lead to osteoarthritis to assist in the development of interventions to damage to the joints. Specifically, this work involves investigating the effect of sport on the shoulders and arms of athletes in disability sports and other predominately upper limb sports, such as swimming. This work is undertaken using motion analysis and biomechanical modelling techniques, which also involves the development and validation of measurement protocols and biomechanical models, to understand joint movements and internal joint loading.