

**Dr David Lunn**  
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David completed his PhD in Musculoskeletal Biomechanics at the University of Hull in 2013. His thesis was entitled Musculoskeletal Modelling and Finite Element Analysis of the Juvenile Femur. David then joined the Leeds NIHR Biomedical Research Centre to work on an EU funded FP7 grant entitled LifeLongJoints. As a part of LifeLongJoints David was responsible for collecting biomechanical data from a large cohort of total hip replacement patients and building musculoskeletal models and using the data to inform preclinical testing of hip prosthesis. As part of the Centre for Sport, Exercise and Osteoarthritis Research Versus Arthritis, David was funded for 12 months to use inverse dynamic and musculoskeletal modelling to understand how OA and joint replacements change the metabolic/mechanical cost of activities of daily living in patients. During this funding period David took full time employment at the NIHR Academy for 2 years and more recently secured a Lecturing position at Leeds Beckett University in Sport and Exercise Biomechanics. David is still contributing to the research undertaken by the CSEOA.

David's research interests include, joint replacement, patient function, lower and upper limb biomechanics, and musculoskeletal modelling.