

## **ASSOC. PROF. DR. JOS VANRENTERGHEM**

**SESSION: SYMPOSIUM 4 (DAY 2: 1705 – 1730)**

**TOPIC: BIOMECHANICAL AND NEUROMUSCULAR MARKERS  
OF LOWER LIMB INJURIES IN FOOTBALL**



Jos Vanrenterghem is Full Professor Biomechanics in the Faculty of Movement and Rehabilitation Sciences at KU Leuven in Belgium. He previously worked at Liverpool John Moores University in the UK and Ghent University in Belgium. His more recent research has been on biomechanical and neuromuscular risk factors of lower extremity injuries, particularly in the context knee loading mechanisms leading to Anterior Cruciate Ligament (re)injury. His work also includes the development of advanced biomechanical research methods. For example, in close collaboration with Mark Robinson at Liverpool John Moores University and Todd Pataky at Kyoto University, they have over the past 15 years introduced Statistical Parametric Mapping into biomechanical research, upgrading hypothesis testing for handling the multi-dimensionality of biomechanical data ([www.spm1d.org](http://www.spm1d.org)). At the same time, he intends to support practitioners in the field, working closely with physiotherapists, S&C trainers and sports physicians. For example, the advancement of training load monitoring methods to evaluate musculoskeletal loads through sports participation has been on the agenda (<https://doi.org/10.1007/s40279-017-0714-2>). So, his general ambitions are to advance the field of injury prevention and rehabilitation in sports, ultimately helping athletes to perform at their very best.