



## New Advances in Human Posture and Movement

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

Postural control requires a complex integration of sensory information (visual, vestibular and proprioceptive systems) regarding the position of all body parts, relative to the environment and the ability to generate appropriate motor responses to control body movement. Human standing is a fundamental part of daily living activities and is essentially characterized by the sway of the whole body about the ankle joints. Maintaining upright balance is controlled primarily by the calf muscle that counteracts the destabilizing effect of gravity. Passive stiffness and open loop mechanisms contribute to the regulation of the muscle activity required for stance control. Because control of posture and movement involves many different systems that can be affected by pathology or a specific condition, this Special Issue, “New Advances in Human Posture and Movement”, is dedicated to enlightening current knowledge in this specific field, and authors are invited to submit case reports, original research papers and review articles.

Prof. Dr. Olivier Hue  
*Guest Editor*

