



Human Movement Analysis and Postural Control Research

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Message from the Guest Editors

Dear Colleagues,

The brain serves a vital role in orchestrating movement, and one of its most crucial functions is controlling posture to maintain an upright body position. In recent decades, extensive research efforts have been dedicated to unraveling the intricate neural processes that underlie postural control mechanisms.

The objective of this Special Issue is to explore the intricate intersection between neuroscience and human movement, offering insights into fundamental scientific inquiries as well as practical applications in therapy and training. For instance, we aim to unravel questions such as the following: How do neural mechanisms or adaptations within the neural system influence the nuances of postural movements? When discrepancies or alterations in these movement patterns emerge, what are the ramifications for the motor control models that are hypothesized to govern postural control? Researchers and experts are invited to contribute their insights, methodologies, and findings to shed light on these critical questions.

Prof. Dr. Peter Federolf
Guest Editor





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Message from the Editor-in-Chief

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