

## Special Issue

# Behavioral Manifestations and Neural Regulation of Movements

### Message from the Guest Editors

This Special Issue has been conceived with the aim of exploring the behavioral manifestations and neural mechanisms underlying human movements. To this end, an interdisciplinary perspective has been adopted, thereby bridging the fields of neuroscience, psychology, physiology, rehabilitation, and movement science. Human movement is not merely the output of muscular activation; rather, it is the result of complex, dynamic interactions between central and peripheral control, cognitive and emotional modulation, individual temperament traits, and environmental demands.

This Special Issue encourages the submission of original research, reviews, and methodological contributions that investigate the generation, regulation, and adaptation of motor behavior across a range of conditions, including physiological and pathological states, as well as throughout the lifespan. Submissions employing multimodal approaches are strongly encouraged, including but not limited to neurophysiological, biomechanical, behavioral, or neurotechnological approaches. Studies combining objective measurements with clinical and observational assessments are particularly welcome.

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### Guest Editors

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### Deadline for manuscript submissions

30 April 2026



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### Editor-in-Chief

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