

Special Issue

Balance: Multisensory Integration and Rehabilitation Approaches

Message from the Guest Editor

Balance is a fundamental component of functional independence and quality of life, yet it is often compromised in individuals with neurological disorders such as stroke, Parkinson's disease, progressive supranuclear palsy (PSP), and other neurodegenerative conditions. Effective balance control requires the continuous and dynamic integration of multisensory inputs—particularly from the visual, vestibular, and somatosensory systems—with finely tuned motor responses. This Special Issue aims to bring together original research and review articles focusing on the mechanisms, assessment, and rehabilitation of balance dysfunction. We especially encourage submissions that explore novel approaches to evaluating visual, vestibular, somatosensory, and motor contributions to balance, as well as those that address sensorimotor integration deficits across various neurological populations. Studies on neuroplasticity, technological innovations (e.g., wearable sensors, virtual reality), and interdisciplinary rehabilitation strategies are also welcome.

Guest Editor

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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