



an Open Access Journal by MDPI

# New Insights into Movement Generation: Sensorimotor Processes

Guest Editor:

#### Prof. Dr. Koichi Hiraoka

School of Medicine, Osaka Metropolitan University, 3-7-30 Habikino, Habikino 583-8555, Osaka, Japan

Deadline for manuscript submissions: **30 September 2024** 

#### Message from the Guest Editor

Sensorimotor processing refers to a process by which sensory information is integrated into a related motor response in the central nervous system. Humans generate the movement through planning and executing motor programs; however, it is also true that the central nervous system conducts online somatosensory or visual feedback while generating the movement. Sensorimotor processing is, therefore, an intricate process requiring proper orchestration between multiple sources of sensory information, which relies on the proper integration of visual, auditory, and haptic perceptual inputs and efficient interactions with pre-motor and motor cortical areas and the cerebellum.

This Special Issue aims to gather together basic research and clinical studies highlighting motor execution, sensory feedback, and interactions between these phenomena, contributing to movement generation.



mdpi.com/si/196422







an Open Access Journal by MDPI

## **Editor-in-Chief**

**Prof. Dr. Stephen D. Meriney** Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

#### Message from the Editor-in-Chief

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.

### **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYNDEX, CAPlus / SciFinder, and other databases.

**Rapid Publication:** manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2023).

### **Contact Us**

*Brain Sciences* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/brainsci brainsci@mdpi.com X@BrainSci\_MDPI