

Special Issue

State of the Art in Multisensory Integration: Predicting Age-Related Clinical Outcomes

Message from the Guest Editor

Age-related sensory impairments have been individually linked to slower gait, functional decline, balance impairments, falls, and a poorer quality of life. Evidence has revealed that impairments in hearing, vision, and physical inactivity are three of the fourteen potentially modifiable risk factors for dementia. Further, functional changes in both the sensory and non-cognitive systems impact the development and progression of Alzheimer's disease. While it is known that Alzheimer's disease alters sensory processing, investigations examining the interplay and time course of multisensory, motor, and cognitive dysfunction in disease progression are limited. Recent research indicates that visual-somatosensory integration is linked to mobility impairments, mediated by cognitive status, and associated with amyloid burden, suggesting potential value as a novel marker for preclinical Alzheimer's disease. The main objective of this Special Issue is to showcase state-of-the-art multisensory integration research and highlight its association with various age-related clinical outcomes (including but not limited to Alzheimer's disease, mobility, etc.).

Guest Editor

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