

Special Issue

Contributions of Multisensory Processing and Integration in Successful Ageing

Message from the Guest Editor

Current efforts to ameliorate the negative effects of normal ageing have been focused on research to prevent falls, enhance cognitive processes, or provide assistive companions. To date, however, no effort has been made to exploit the benefits of multisensory integration for successful ageing. This is an important gap particularly because our physical environment provides us with a variety of sensory information, and adaptive functioning requires the brain to integrate these multiple sources of information in a way that allows the individual to operate within such an environment in a goal-directed fashion. Sensory inputs are integrated to create a multisensory experience that allows for faster and more accurate detection and reaction to events, the flexible deployment of attention to events of interest, better encoding and retrieval of information, and the faster acquisition of new information. This Special Issue aims to bring together basic and applied research on the contributions of multisensory processing and integration in healthy ageing to collect a body of literature, with the aim of paving the path of future interventions in the ever-growing ageing population.

Guest Editor

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