# Special Issue

## The Contribution of Internal and External Factors to Human Spatial Navigation

### Message from the Guest Editors

Orienting in the environment is a highly complex skill, the operation of which depends on different cognitive processes: mental imagery, cognitive style, memory, attention, and problem-solving skills. However, the processes are not the only ones that guarantee success in orienting. Several internal (personal attributes, gender, familiarity with the environment, and job-related expertise and external factors (environmental attributes) contribute to spatial orientation. Internal and external factors to spatial orientation are also important across the lifespan. Studies on spatial orientation in some developmental age pathologies (ADHD, cerebral palsy, genetic syndromes) or neurodevelopmental pathologies (such as developmental topographical disorientation: DTD) suggest its relevance in the patients' life. In healthy aging, spatial orientation is one of the skills that decay earlier. In pathological aging, it has been considered a neuropsychological marker in the early diagnosis of Alzheimer's. We are seeking empirical or theoretical manuscripts, addressing the factors contributing to spatial orientation skills. Critical reviews are especially welcome.

### Guest Editors

Prof. Dr. Laura Piccardi

Dr. Raffaella Nori

Dr. Jose Manuel Cimadevilla

Dr. Maria Kozhevnikov

### Deadline for manuscript submissions

closed (31 October 2023)

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## Editor-in-Chief

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