

## Special Issue

# Cognitive and Neural Mechanisms of Implicit Learning

### Message from the Guest Editors

Implicit learning covers all unintentional learning, in which people incidentally acquire knowledge of the structure of stimuli, even without awareness of the content of that knowledge (Dienes 2008). Since the seminal study of Arthur Reber, research on implicit learning has developed over the past 55 years. Recently, more and more work has been completed to explore the cognitive and neural mechanisms of implicit learning. The related findings have deepened our understanding of implicit learning and have largely influenced other research domains. Despite this, some questions remain open in the field of implicit learning. What can be learned implicitly? What is the relationship between implicit learning and intelligence or other cognitive abilities? What is the relationship between implicit and explicit learning? What is the neural basis for implicit learning? This topic provides a good platform to share new findings and show the advances in research in this area. This Special Issue welcomes articles that address any of the related questions using paradigms.

### Guest Editors

Prof. Dr. Arnaud Destrebecqz

Prof. Dr. Elisabeth Norman

Prof. Dr. Qiufang Fu

### Deadline for manuscript submissions

closed (31 August 2024)



## Journal of Intelligence

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### Message from the Editor-in-Chief

The relatively new and ambitious *Journal of Intelligence* is devoted to the study of human intelligence. Intelligence is a fundamental core of being human, with far-ranging implications for all members of our society. Now more than ever, in a world in which most have access to the Internet, information, and misinformation, with reduced face-to-face interactions, understanding how to measure and develop human intelligence is a critical and vital mission. Human intelligence is studied from many different perspectives, for different purposes, and this journal has an open policy with respect to approaches and methodologies. We encourage submissions with the potential to innovate, show alternative perspectives, and highlight the importance of developing and measuring intelligence as well as studies on intelligence that have an impact on our lives.

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### Editor-in-Chief

Prof. Dr. Con Stough  
Centre for Human Psychopharmacology, Swinburne University of  
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