

## Special Issue

# The Development of Working Memory and Attention

### Message from the Guest Editors

Fluid intelligence has been linked to working memory in children, a relationship that appears to be driven primarily by components of working memory involved in processing and attentional control, as described in the reference (Engel de Abreu et al. 2010). The relationship between intelligence and working memory persists into adulthood, when the end-point structure of the working memory system has been well-modeled. Many researchers are now turning their efforts to characterizing the development of individual mechanisms within the working memory system, especially processing and attentional control mechanisms related to intelligence and academic outcomes. This Special Issue primarily aims to identify and describe working memory mechanisms closely linked to developmental changes in intelligence as well as mechanisms that predict individual differences in intelligence during development. We are seeking contributions that advance our understanding of the development of working memory and attention in children. Under this broad theme, we invite submissions related to the development of:

- Auditory attention;
- Processing speed;
- Attention control;
- Proactive and reactive control.

---

### Guest Editors

Prof. Dr. Emily M. Elliott

Department of Psychology, Louisiana State University, Baton Rouge, LA 70803, USA

Dr. Angela M. AuBuchon

Boystown National Research Hospital, Omaha, NE 68131, USA

---

### Deadline for manuscript submissions

closed (15 November 2022)



## Journal of Intelligence

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 4.7  
Indexed in PubMed



[mdpi.com/si/124159](https://mdpi.com/si/124159)

*Journal of Intelligence*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jintelligence@mdpi.com](mailto:jintelligence@mdpi.com)

[mdpi.com/journal/  
jintelligence](https://mdpi.com/journal/jintelligence)





# Journal of Intelligence

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 4.7  
Indexed in PubMed



[mdpi.com/journal/  
jintelligence](https://mdpi.com/journal/jintelligence)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Con Stough  
Centre for Human Psychopharmacology, Swinburne University of  
Technology, Hawthorn, VIC 3122, Australia

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SSCI (Web of Science), PubMed, PMC, PsycInfo, PSYINDEX, and other databases.

#### Journal Rank:

JCR - Q1 (Psychology, Multidisciplinary) / CiteScore - Q1 (Education)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 30.7 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the first half of 2025).