

Special Issue

Combined Approaches to Study Visuomotor Interactions

Message from the Guest Editor

Alfred L. Yarbus was among the first to demonstrate that eye movements actively serve our perceptual and cognitive goals. This is a crucial recognition in today's research on active vision. Numerous studies have demonstrated that oculomotor control is tightly coupled to functions as fundamental as attention and memory. This tight relationship offers an intriguing perspective on trans-saccadic perceptual continuity, which we experience even though saccades cause rapid image shifts across the retina. In this Special Issue, we aim to publish combined approaches describing novel findings on how motor preparation shapes the visual system's priorities by enhancing visual performance, perceived stimulus intensity, and working memory at the targets of the prepared movement. The groups of articles should provide insights into how attentional processes enable the visual system to cope with the retinal consequences of the action. Articles exploring the interaction between the developing or degenerating motor and sensory/perceptual visual systems will also be considered.

Guest Editor

Dr. Pierre Pouget

INSERM, CNRS, Institut du Cerveau, Sorbonne Université, 75013 Paris, France

Deadline for manuscript submissions

closed (28 February 2023)



Vision

an Open Access Journal
by MDPI

Impact Factor 1.8
CiteScore 2.9
Indexed in PubMed



mdpi.com/si/139452

Vision
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
vision@mdpi.com

mdpi.com/journal/

[vision](https://vision.mdpi.com)





Vision

an Open Access Journal
by MDPI

Impact Factor 1.8
CiteScore 2.9
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Vision research has developed tremendously over the last years and has been well served by some of the available journals. We feel that a new journal, with no historical or societal affiliations, offers a chance for a broad interdisciplinary coverage and a means of highlighting the increasing number of interesting results and ideas. We are therefore convinced that the launch of a truly interdisciplinary journal in the area of vision science is worthwhile, timely and necessary. *Vision* is a journal for, and by, all vision scientists, committed to the advancement of their field of interest.

Editor-in-Chief

Prof. Dr. Andrew Parker
Department of Physiology, Anatomy and Genetics, University of Oxford,
Oxford OX1 3PT, UK

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within ESCI (Web of Science), Scopus, PubMed, PMC, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 23.2 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2025).