

# Special Issue

## Pupillometry

### Message from the Guest Editor

Although pioneering work on relationships between psychological factors and changes in the size of the eye pupil appeared more than half a century ago, with notable contributions by Daniel Kahneman, Eckhard Hess, and James Polt, recent decades have witnessed a dramatic increase in the application of pupillometry to a wide variety of research questions. We invite contributions to a Special Issue of *Vision* on this topic. Contributions focusing on any aspect of pupillometry will be welcome, including papers concerned with clinical, applied, methodological, and theoretical issues. This may include papers which consider:

- The role of pupillometry in clinical fields such as neurology, optometry, and audiology;
- Use of pupillometry for assessment of alertness and task engagement in applied settings;
- Methodological issues in the pupil size measurement dynamics;
- Neural mechanisms of pupil size control;
- Relationships between neurocognitive mechanisms (perception, attention, task engagement, mental imagery, emotion, and memory) and changes in pupil size.

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### Guest Editor

Prof. Dr. Anthony James Lambert

School of Psychology and Centre for Brain Research, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

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### Deadline for manuscript submissions

closed (30 September 2023)



## Vision

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## 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.

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### Editor-in-Chief

Prof. Dr. Andrew Parker  
Department of Physiology, Anatomy and Genetics, University of Oxford,  
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