



vision

an Open Access Journal by MDPI

Role of the Pulvinar in Visual Processing

Guest Editor:

Dr. Christian Casanova
Universite de Montreal, Visual
Neuroscience Laboratory,
Montreal, Canada

christian.casanova@
umontreal.ca

Deadline for manuscript
submissions:
30 September 2019

Message from the Guest Editor

The Special Issue on “Role of the Pulvinar in Visual Processing” will cover major advances in pulvinar research with the following subject:

- Evolution of the pulvinar
- Anatomical and functional organization of the pulvinar
- The transthalamic cortical pathways
- The drivers/modulators concept: is pulvinar driving or modulating the visual cortex?
- Visual properties of pulvinar neurons
- Visual maps in the pulvinar
- Pulvinar and visual attention
- Functional relationships between pulvinar and cortical areas
- Top-down and bottom-up processes involving pulvinar
- Pulvinar and emotions: subcortical fear pathways
- Residual vision: involvement of pulvinar
- What thalamic lesions can tell us about the human pulvinar?
- Schizophrenia: the pulvinar hypothesis
- Pulvinar and attention deficit/hyperactivity disorders
- Imaging the pulvinar in humans and animal models
- Modeling cortico-pulvinar neuronal interactions



mdpi.com/si/19270

Special Issue



vision

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Andrew Parker

Department of Physiology,
Anatomy and Genetics, University
of Oxford, Oxford OX1 3PT, UK

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.

Author Benefits

Open Access: - free for readers, free publication for well-prepared manuscripts submitted in 2018.

Rapid publication: manuscripts are peer-reviewed and a first decision provided to authors approximately 23 days after submission; acceptance to publication is undertaken in 4.8 days (median values for papers published in the first six months of 2018).

Recognition of Reviewers: reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.

Contact us

Vision
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/vision
vision@mdpi.com