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Role of the Pulvinar in Visual Processing

Guest Editor:

Dr. Christian Casanova

Visual Neuroscience Laboratory,
Universite de Montreal, Montreal,
QC, Canada

Deadline for manuscript
submissions:

closed (31 July 2020)

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



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Special Issue



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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.

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Contact Us

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

Tel: +41 61 683 77 34
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