

## Special Issue

# Role of the Pulvinar in Visual Processing

### 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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### Guest Editor

Dr. Christian Casanova

Visual Neuroscience Laboratory, Université de Montréal, Montréal, QC, Canada

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### Deadline for manuscript submissions

closed (31 July 2020)



## Vision

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Impact Factor 1.8  
CiteScore 2.9  
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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  
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