VISUAL
NEUROSCIENCE

An international journal for empirical and theoretical research

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Visual Neuroscience brings together in one journal a broad range of studies reflecting both the diversity and orginality of contemporary research and theory in basic visual neuroscience. Primary emphasis is placed upon studies which address the retinal and brain mechanisms that underlie visually-guided behaviors and visual perception. *Visual Neuroscience* publishes original papers utilizing neuro-anatomical, neurophysiological, neurochemical, neuroimmunological, and behavioral methodologies as well as those involving computational models and computer-assisted theoretical formulations. Contributions involving molecular, cellular, local-circuit, and systems-level analyses in both vertebrate and invertebrate species will be presented. Appropriate research topics include: photoreception and transduction; retinal anatomy, physiology, and neurochemistry; developmental processes and patterns; subcortical visual pathways; oculomotor and visuomotor pathways and circuits; comparative visual system organization; thalamo-cortical pathways, visual cortex, and preceptual mechanisms. Manuscripts based exclusively upon psychophysical or behavioral data will be considered only if presented within the context of visual neural processes and/or mechanisms.

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