



Color Vision: From Genes to Perception

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Color Vision: From Genes to Perception documents the present state of understanding regarding primate color vision in 20 review articles written by 35 leading international experts. The articles range from genes, the molecular genetics of the human cone photopigment genes, to perception, the color processing of complex scenes. Detailed overviews of such basic topics as cone spectral sensitivity and color processing in the retina and cortex are included. Introductions are given to important and innovative technologies such as molecular genetics, anatomical staining, visual psychophysics, intracellular and extracellular physiological recordings, and functional magnetic resonance imaging. Color Vision is intended for graduate students and research specialists. By bringing together scientists from different disciplines, the book will clarify issues of general interest for the expert and non-expert alike.

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Editorial Review

Review

"This lovely book is written for professional vision scientists and their graduate students. Each chapter is written by an internationally well-respected expert on some aspect of color vision and each chapter begins with a simple, clearly written, up-to-date introduction to a topic within the wide range of topics included in modern color vision...If you are interested in color vision, and you should be, this book will be invaluable." Optometry and Vision Science

"For those with an interest in normal vision, the book is a solid summary of colour perception..." The Canadian Journal of Neurological Sciences

"This is an excellent edited book containing contributions from most of the leading researchers in the field of primate colour vision." Trends in Neuroscience

"It is a very successful attempt to understand colour vision at all levels of processing: wavelength coding in photoreceptors, processing in the retina, cortical processing, and higher-order colour mechanisms...I really enjoyed reading this book. It reflects the state-of-the-art knowledge on colour processing and I would recommend it to anyone who is interested in a quantitative study of colour vision, be it the genetics, the functional anatomy, the neurophysiology, or the psychophysics of colour processing." Perception 2000

"The editors have brought together 35 leading researchers in colour vision to write a true reference text." Canadian Journal of Ophthalmology

"...this is an excellent review of important topics in color vision. It is an invaluable reference for the researcher and guide for the student. I am happy to have it on my bookshelf and recommend it to the subscribers of Color Research and Application." Color Research and Application, Vivianne Smith

About the Author

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Users Review

From reader reviews:

Linda Callaway:

People live in this new day time of lifestyle always aim to and must have the spare time or they will get large amount of stress from both way of life and work. So , if we ask do people have extra time, we will say absolutely yes. People is human not really a robot. Then we ask again, what kind of activity have you got when the spare time coming to you of course your answer will certainly unlimited right. Then ever try this one, reading ebooks. It can be your alternative inside spending your spare time, the actual book you have read is actually Color Vision: From Genes to Perception.

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