



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

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Angela Heller:

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The reason? Because this Color Vision: From Genes to Perception is an unordinary book that the inside of the e-book waiting for you to snap that but latter it will distress you with the secret it inside. Reading this book close to it was fantastic author who write the book in such awesome way makes the content interior easier to understand, entertaining technique but still convey the meaning thoroughly. So , it is good for you for not hesitating having this any more or you going to regret it. This book will give you a lot of benefits than the other book have got such as help improving your expertise and your critical thinking way. So , still want to delay having that book? If I ended up you I will go to the publication store hurriedly.

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