



Biology of Sensory Systems (2nd Revised edition)

By Christopher Smith

John Wiley and Sons Ltd. Paperback. Book Condition: new. BRAND NEW, Biology of Sensory Systems (2nd Revised edition), Christopher Smith, Since publication of the first edition, huge developments have taken place in sensory biology research and new insights have been provided in particular by molecular biology. These show the similarities in the molecular architecture and in the physiology of sensory cells across species and across sensory modality and often indicate a common ancestry dating back over half a billion years. Biology of Sensory Systems has thus been completely revised and takes a molecular, evolutionary and comparative approach, providing an overview of sensory systems in vertebrates, invertebrates and prokaryotes, with a strong focus on human senses. Written by a renowned author with extensive teaching experience, the book covers, in six parts, the general features of sensory systems, the mechanosenses, the chemosenses, the senses which detect electromagnetic radiation, other sensory systems including pain, thermosensitivity and some of the minority senses and, finally, provides an outline and discussion of philosophical implications. New in this edition: * Greater emphasis on molecular biology and intracellular mechanisms* New chapter on genomics and sensory systems* Sections on TRP channels, synaptic transmission, evolution of nervous systems, arachnid mechanosensitive sensilla...

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