Biology of Sensory Systems

Completely revised, this book 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.

Over four hundred illustrations, boxes containing supplementary material and self-assessment questions and a full bibliography at the end of each part make this essential reading for undergraduate students of biology, zoology, animal physiology, neuroscience, anatomy and physiological psychology. It’s also suitable for postgraduate students in more specialised courses such as vision sciences, optometry, neurophysiology, neuropathology, developmental biology.

New in this edition: