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in olfaction; Membrane currents and mechanisms of olfactory transduction

Olfactory receptors: transduction, diversity, human psychophysics and genome analysisGeneral discussion II; Molecular genetics of *Drosophila* olfaction; Perireceptor events in taste; Gustducin and transduction: a tale of two G proteins; Role of apical ion channels in sour taste transduction; Ion pathways in the taste bud and their significance for transduction; The cellular and genetic basis of olfactory responses in *Caenorhabditis elegans*; Genetic and pathological taste variation: what can we learn from animal models and human disease?; General discussion III; Summing-up
Index of contributorsSubject Index

Sommario/riassunto

Recent application of the techniques of molecular biology and patch-clamp physiology has led to rapid advances in understanding the molecular events in chemosensory transduction. In this book, the latest results are presented and discussed by leading scientists. The extensive coverage encompasses many important topics, including mucous domains; microchemical heterogeneity in the mucociliary complex of the olfactory epithelium; membrane currents and mechanisms of olfactory transduction, and genetic and pathological taste variation.
