

PHARMACOLOGY OF G PROTEIN COUPLED RECEPTORS

VOLUME EDITOR

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The last 5-10 years have brought major developments in our understanding of G protein coupled receptors (GPCRs), one of the most important families of therapeutic drug targets. Drugs acting directly on GPCRs still represent nearly 30% of the most commonly prescribed medicines, including many of the new chemical entities currently being approved.

Perhaps the most stunning advance in the GPCR field has been the deluge of crystal structures of receptor 7TM domains. Starting with only a single structure (rhodopsin) in 2000, research over the last decade has provided many new structures. Orphan GPCRs as well as developing concepts in receptor scaffolds, trafficking, and signal regulators have provided rich areas for pharmaceutical discovery. Major progress has also been made in allosteric modulators and biased ligands for GPCRs.

The last decade has provided abundant new developments in our understanding of GPCRs and this volume of *Advances in Pharmacology* highlights a cross-section of them. This book provides new insights for biologists, pharmacologists, and others undertaking the discovery of new therapeutics.

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