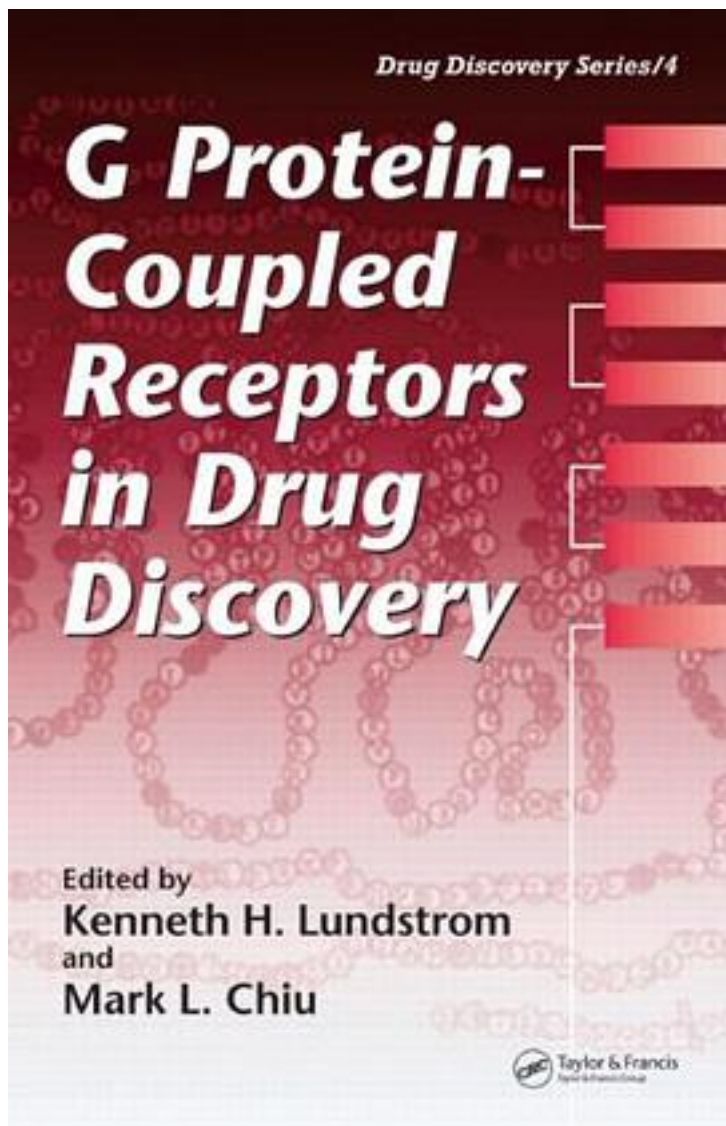


G Protein-coupled Receptors in Drug Discovery



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著者:Lundstrom, Kenneth G

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The broad range of G protein-coupled receptors (GPCRs) encompasses all areas of modern medicine and have an enormous impact on the process of drug development. Using disease-oriented methods to cover everything from screening to expression and crystallization, "G Protein-Coupled Receptors in Drug Discovery" describes the physiological roles of GPCRs and their involvement in various human diseases. This book presents current approaches in drug discovery that include target selection, establishment of screening and functional assays. It also covers recombinant GPCR expression for drug screening and structural biology, different methods for structural characterization of GPCRs, and the importance of bioinformatics. The book has been carefully edited to avoid overlapping information, some duplication has been intentionally permitted so that each chapter can function as an independent unit. Providing in-depth discussions on structure and dynamics of GPCRs, this book outlines the importance of the GPCRs to drug discovery in general and drug targets specifically.

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