

Contents

| | |
|--|-----|
| G-Proteins and GPCRs: From the Beginning <i>H.R. Bourne</i> | 1 |
| Modeling GPCRs <i>A.C.M. Paiva, L. Oliveira, F. Horn, R.P. Bywater, G. Vriend</i> . . . | 23 |
| QSAR Modeling of GPCR Ligands: Methodologies and Examples of Applications <i>A. Tropsha, S.X. Wang</i> | 49 |
| Privileged Structures in GPCRs <i>R.P. Bywater</i> | 75 |
| Designing Compound Libraries Targeting GPCRs <i>E. Jacoby</i> | 93 |
| Orphan Seven Transmembrane Receptor Screening <i>M.J. Wigglesworth, L.A. Wolfe, A. Wise</i> | 105 |
| The Role of GPCR Dimerisation/Oligomerisation in Receptor Signalling <i>G. Milligan, M. Canals, J.D. Padiani, J. Ellis, J.F. Lopez-Gimenez</i> | 145 |

| | |
|--|-----|
| Deorphanization of G-Protein-Coupled Receptors <i>M. Parmentier, M. Detheux</i> | 163 |
| Virus-Encoded G-Protein-Coupled Receptors: Constitutively Active (Dys)Regulators of Cell Function and Their Potential as Drug Target <i>H.F. Vischer, J.W. Hulshof, I.J.P. de Esch, M.J. Smit, R. Leurs</i> | 187 |
| Modulation of GPCR Conformations by Ligands, G-Proteins, and Arrestins <i>E.R. Prossnitz, L.A. Sklar</i> | 211 |
| High-Content Screening to Monitor G-Protein-Coupled Receptor Internalisation <i>R. Heilker</i> | 229 |
| High-Throughput Lead Finding and Optimisation for GPCR Targets <i>A. Sewing, D. Cawkill</i> | 249 |
| Previous Volumes Published in This Series | 269 |