Preface

G protein-coupled receptors (GPCRs) are central players in mediating a broad spectrum of cellular signaling events and thereby critically involved in nearly all major physiological processes in our body. Upon activation, these receptors interact with two major classes of transducers, namely, the heterotrimeric G proteins and β-arrestins. Understanding agonist-induced receptor activation and the intricate details of receptor–effector interaction and regulation are important areas in GPCR biology. In this volume of *Methods in Cell Biology*, we present a compilation of 17 different chapters covering various assays focused on measuring receptor activation, ligand binding, effector coupling, downstream signaling, and structural aspects. We anticipate that the topics covered in this volume will be of excellent significance to any laboratory engaged in GPCR research, and help establish and/or improve these GPCR assays in the laboratory.

I take this opportunity to thank all the contributors for their invaluable time, the members of *MCB* editorial team for their excellent management, and the members of the production team for their tremendous effort in putting this volume together.

I sincerely hope that you will enjoy and appreciate the topics covered in this volume, and find it useful in your research. Please do share your feedback.

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