

Special Issue

GPCR Structure and Function in Disease

Message from the Guest Editors

Dear Colleagues G protein-coupled receptors (GPCRs) are expressed by various types of cells and recognize an array of various stimuli from both hosts and environments. These receptors modulate the key pathways in various systems and participate in many different cellular processes, which are involved in regulation of human diseases. Thus, GPCRs are potential therapeutic targets for a range of diseases.

The research topics in this Special Issue focus on the roles of GPCRs in various diseases, both in human patients and in experimental disease models. The scope of these topics include, but are not limited to, the mechanisms underlying GPCR signaling in regulation of pathogenesis of diseases; GPCRs and their downstream signaling pathways in disease; modulation of diseases by GPCRs; and host responses to potential therapeutic strategies targeting GPCRs.

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