



G Protein-Coupled Receptors in Metabolic Function

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Message from the Guest Editors

Dear Colleagues,

The G protein-coupled receptors (GPCRs) superfamily enable our cells to sense and decode a multitude of extracellular signals, regulating multiple intracellular signaling pathways. More recently, tremendous progress has been made in elucidating the structural basis of GPCR signaling. Indeed, recent data, mainly obtained through innovative microscopy methods, show that GPCRs are far more complex and dynamic than previously thought, capable of sending intricate signals at the cell surface and inner membrane involving numerous biochemical responses and diverse pathophysiological activities. GPCRs initiate multiple signaling pathways through G-protein signaling, regulating nearly all physiological functions. Thus, GPCR dysregulation is related to a variety of human diseases and disorders. This Special Issue cordially invites researchers working with the physiological functions of GPCRs in distinct metabolic pathways to submit both original articles and reviews about the functional roles of GPCRs in the triggering, promotion, prevention and treatment of various metabolic diseases.





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Message from the Editor-in-Chief

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