

Special Issue

Allosteric Modulators of GPCRs

Message from the Guest Editors

G protein-coupled receptors (GPCRs) are the largest group of receptor proteins that are targeted by more than 30% of drugs. The problem of selective modulation of GPCR activity is a mainstream in molecular biology and biochemistry.

This Special Issue is devoted to the prospects and unresolved problems of allosteric regulation of GPCR, and the main topics will be: (1) search, design, and development of different classes of allosteric GPCR regulators, including endogenous allosteric modulators, (2) deciphering the targets and molecular mechanisms of action of the endogenous and artificial allosteric GPCR regulators, (3) study of the structure and organization of allosteric GPCR sites and their role in the functioning of GPCR, (4) the effect of oligomerization of GPCR and their complex with the receptor-activity-modifying protein (RAMP) on allosteric effects; (5) allosteric GPCR regulators and control of biochemical and physiological processes, (6) impaired allosteric regulation of GPCR and pathogenesis of autoimmune, neurodegenerative, and other diseases.

Co-

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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