

Special Issue

Advances in Adrenergic Receptor Biology

Message from the Guest Editor

Adrenoreceptor subtypes are involved in many biological processes, and their ligands are effective against various diseases with much emphasis to α adrenoceptors, since α blockers mainly targeting α_1 and α_2 subtypes were introduced in cardiovascular therapy more than 50 years ago. In addition, the recently identified α_3 subtypes have been proven to be interesting pharmacological targets in the cardiovascular system and potential protective properties of mirabegron, a α_3 adrenoceptor agonist, have been recently reported in patients at high risk for developing heart failure. Recent findings suggest that targeting adrenoceptor signaling can be a novel therapeutic approach for treating several diseases including among others the retinopathy of prematurity, nephrogenic diabetes insipidus, diabetes mellitus, rheumatoid arthritis, and other inflammatory diseases. On the other hand, the complex pharmacological profile of adrenoceptor ligands and the still unknown aspects of their regulation have limited their use and applicability in humans.

Guest Editor

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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