

Special Issue

GPCR: Roles in Cell Development and Disease

Message from the Guest Editors

GPCRs include the most abundant group of human cell surface receptors and play key roles in several physiological processes, becoming an attractive drug target in human disease. The purpose of this Special Issue is to capture these new aspects of their activation and signaling during cell development, exploiting new knowledge about the structure of GPCRs given the direct link between the structure of a protein and its function. Development includes morphogenetic processes that drive the formation of highly specialized organs. Once development is complete, some signaling pathways are maintained to ensure homeostasis of adult tissues. Furthermore, the morphogenetic pathways vital to development are altered by invasive cells during tumor metastases and by a plethora of other diseases of genetic origin.

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