

Special Issue

Molecular Studies on Wnt Signaling

Message from the Guest Editor

The Wnt pathway has become one of the most studied signaling pathways. After its first description in 1980, it was quickly revealed that the pathway not only regulates the function of healthy cells but also plays a key role in the development and progression of cancers. In recent years, numerous studies have examined the role of the Wnt pathway in both normal and pathological functions of various cell lines. The recognition that this signaling pathway functions abnormally in cancer has made it almost inevitable to search for anticancer drugs among its inhibitors. Several molecules identified as Wnt inhibitors are currently under clinical investigation, but no safe and effective new drug has yet been approved by the FDA. On the other side, drugs already approved for other indications have been found to exert their effects through modulation of the Wnt signaling pathway. Which approach will ultimately lead to an effective therapy for specific cancers remains uncertain; however, one point is clear: a huge body of knowledge needs to be systematized and translated into clinically applicable insights. This Special Issue represents a modest attempt in that direction.

Guest Editor

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