

New insights into the regulation of Wnt signalling.

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Abstract

Wnts are secreted signalling proteins which play crucial roles in embryonic development and tissue homeostasis. To avoid diseases such as cancer, Wnt signalling activity must be kept very finely balanced. As a result of work in laboratories worldwide, it has become apparent that this balance is achieved through a remarkably complex, multi-layered system of regulation. Combinations of molecular, structural, cellular and genetic analyses have been used to uncover novel extracellular regulatory mechanisms. I will illustrate this integrated approach with recent results from my laboratory.