

Special Issue

Targeted Therapies: Perspectives of Chemical Synthesis and Molecular In Vivo Interactions

Message from the Guest Editors

Cellular signaling varies between different pathophysiological conditions including diabetes, cancer, drug induced toxicity or heavy metal toxicity. It may also vary greatly between cell and tissue types. In modern era of molecular pharmacology “Targeted therapy” is the emerging concept to combat different pathophysiological conditions. Recent research projects are focused on identification of novel signaling pathways or the elucidation of the altered signaling crosstalk underlying a pathophysiological state. Researches are also focused on development of novel therapeutic strategies with novel drug candidates or by repurposing an existing drug specifically targeting a cellular pathway. The outcome of these projects is allowing the translational scientists to develop novel combinatorial therapeutic approach for better efficacy with minimal side effects. This could be a promising effort for management of different pathophysiological state with underlying disease conditions.

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