



## Influence of a Certain Gene on Phytochemical Therapy for Cancer, or Vice Versa

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### Message from the Guest Editor

The targeted therapies target specific proteins driven from gene expression that involved in growth or survival of cancer cells. With advances in the targeted therapy, personalized medicine or precision medicine had drawn a big attention. The abnormal gene expression of a certain cancer provides the information that how the cancer cells grow and show drug resistance. Theoretically personalized cancer management can produce higher efficacy and fewer side effects than conventional chemotherapy.

While on the personalized therapy, there is a growing perception that a certain gene expression can influence the efficacy of targeted and/or other conventional chemotherapies. Evidence suggests that phytochemical from natural herbs can induce anti-cancer effects without showing any noticeable toxicities by safely modulating cancer cell biology. The understanding of the influence of a certain gene expression on anti-cancer effects of phytochemical therapy from natural herbs or plant can trigger personalized medicine with the phytochemicals. Therefore, this special issue focus on the influence of a certain gene expression on phytochemical therapy for cancer or vice versa.





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