

# 4<sup>th</sup> World Congress on Cancer Science & Therapy

October 20-22, 2014 DoubleTree by Hilton Hotel Chicago-North Shore Conference Center, USA

## Managing prostate cancer using natural products: From farm to pharmacy

**Gnanasekar Munirathinam**  
University of Illinois, USA

This lecture will address a variety of topics related to the development of natural compounds derived from dietary and herbal plant sources for experimental evaluation of candidate therapeutics for treating prostate cancer, and will include discussion of topics: Bioactive compounds from various natural sources, cellular pathways contributing to disease progression, molecular drug targets, pre-clinical animal models of prostate cancer; acquired resistance to therapy; bioavailability issues; and novel combination therapies with natural compounds. In addition to these subjects, attendees of this lecture will be familiarized with the need for rigorous and stringent testing of alternative candidate therapeutics as current conventional treatments are not effective against advanced prostate cancer and often associated with side effects. This seminar talk will also highlight the usefulness of natural products in chemo preventive measures against prostate cancer.

### Biography

Gnanasekar Munirathinam has been studying prostate cancer molecular biology and experimental therapeutics for over 10 years, during which time he has authored several peer-reviewed publications. He has served on the editorial boards for *Oncology Letters*, *Pharmacologia*, *Journal of Oncology and Biomarkers Research*, *American Journal of Cancer Biology*, *American Journal of Clinical Cancer Research*, *American Journal of Cancer Therapeutics and Pharmacology*, and he is an Academic Editor for *PLOS ONE*. He has also served on the advisory board of RNAi Research and Therapeutics Conferences organized by Global Technology Community. He has received several awards and honors throughout his career.

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