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Tsing Hua Chair Professor

Ph.D., Catholic University of Leuven, 1982

Molecular and Cellular Oncology; Cancer Integrative Medicine; Signal Transduction

Research Interests

On the basis of molecular, cellular, animal, clinicopathological, epidemiological, psychosocial, and human studies combined and interplayed together, the most fatal, potential and promising multisubstrate/multifunctional signal transducing molecules, signal transduction pathways and signaling networks will be selected, identified, characterized and demonstrated for early diagnosis, disease monitoring, drug screening and new therapeutic strategies of various types of human cancers including pancreatic cancer, hepatoma, colorectal cancer, ovarian cancer, cervical cancer, breast cancer, lung cancer, gastric cancer, brain cancer and leukemia.

Recent Publications

1. Hsu YC, Fu HH, Jeng YM, Lee PH, and **Yang SD*** (2006). Proline-directed protein kinase FA is a very powerful and independent prognostic predictor for progression and patient survival of hepatocellular carcinoma. J Clin Oncol 24, 3780-3788.
2. Yu SY, Chiu JH, **Yang SD***, Hsu YC, Lui WY, and Wu CW (2006). Biological effect of far-infrared therapy on increasing skin microcirculation in rats. Photodermatol Photoimmunol Photomed. 22, 78-86.
3. Yu SY, Chiu JH, **Yang SD***, Hsieh CC, Chen PJ, Lui WY, and Wu CW (2005). Preconditioned hyperbaric oxygenation protects the liver against ischemia-reperfusion injury in rats. J. Surg. Res. 128, 28-36.
4. **Yang SD*** (2005). Proline-directed protein kinase FA as a new signal-transducing target for lethal cancer treatment. Drug News and Perspectives 18, 432-436. [Invited Review]
5. **Yang SD*** (2004). Proline-directed protein kinase FA as a potential target for diagnosis and therapy of human cancers. Curr Cancer Drug Targets 4, 591-596. [Invited Review]
6. Fu HH, and **Yang SD*** (2004). Suppression of overexpressed proline-directed protein kinase FA inhibits the malignant growth of human pancreatic ductal adenocarcinoma. Anticancer Res 24, 1489-1494.