

Yu Cheng Kuo

Taipei Medical University, Taiwan

2nd International Conference on

Cancer Science & Pediatrics

February 19-20, 2019 | Prague, Czech Republic

MERIDIAN ON CANCER THERAPY

Compared to conventional western medicine based on Anatomy and Chemistry particles, traditional Chinese medicine physicians practice clinic following “Chi”. What is “Chi”? After 25 years study of pulse diagnosis, we defined it as wave or periodic signal. Under this definition, we could recognize the reality of meridians or harmonics between time and frequency domain phenomenon with Fourier Transform. Moreover, we could discover the basis of Chinese Medicine based on the mathematics and physics of meridian. Based on the results obtained from both animal and clinical experiments, we verified the pulse diagnostic method on meridians recorded in medical literature classic and designed a pulse apparatus according to this meridian principle. Through the pulse diagnostic apparatus, we could map the meridians to harmonics and quantitatively analyze the pathological excess or deficiency of the meridians including the five zang-organs and six fu organs of the patient (pathological matrix). In addition, a series of pharmacology research analyses of acupuncture, Chinese herbs, herbs prescription formula and western drugs on the reinforcing or reducing effect of meridians were being carried out. On the other hand, with matrix operation on harmonics, we were able to simulate the whole make up meridian function of a prescription formula which is composed of several herbs (pharmacological matrix). With meridian theory, we discovered a series of compounds from *Fructus Cnidii*, which is a simplest herb formulae described in *Shang Han Za Bing Lu n*. Including BMX, these compounds have being identified as HDAC8 inhibitor. Meanwhile, we developed these compounds guided by the meridian effect which dominate the blood perfusion of brain recorded in Chinese Medicine classic literature. As per the expectation, BMX passes through BBB (blood brain barrier) in this study. These results provide confidence to us for brain cancer therapy and star phase 1 clinic trial under US-FDA approval 2018 July. In clinic, we could apply meridian theory to cancer therapy for the complexity and variability of cancer.

Biography

Yucheng Kuo has completed his Master's degree in Pharmacology and PhD in Electric Engineering. He is also a Chinese Medical Doctor and Assistant Professor. He teaches Pharmacology in Taipei Medical University and Pulse Diagnosis in Chinese Medicine University in Taiwan. Since 2007, he has been invited to deliver speech in international conference on research of pulse diagnosis and scientific modernization of Chinese Medicine. He applied these studies in new drug development and invested in a biomedical company named "Nature Wise", which owns the specific HDAC8 inhibitors which can pass the blood brain barrier. Combining the theory of meridian medicine and herbal therapy formulae recorded in the classic of Chinese Medicine, he navigated a new direction of new drug development and AI system for diagnosis, prescription and evaluation. For these works he won the Outstanding Researcher Award in Pharmacology by Venus International Healthcare Awards -VIHA 2018 and the President of Meridian World Health Organization Alliance.

yucheng.kuo@msa.hinet.net