Personalized Medicine-2013
International Conference on
Predictive, Preventive and Personalized Medicine & Molecular Diagnostics
August 5-7, 2013 Holiday Inn Chicago-North Shore, USA

Drug innovation & traditional chinese medicine –case studies

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Abstract

This seminar presents case studies on deducing novel Traditional Chinese Medicine (TCM) anti-influenza and anti-hyperlipedemia prescriptions from structure biology and other modern drug discovery technologies. The studies suggest that, by further investigating TCM theory and mining TCM databases, a better drug discovery paradigm may arise. The paradigm can be beneficial to both TCM and modern medicine.

Biography

Jun Xu, Professor of Medchem & CADD, School of Pharmaceutical Sciences, and the director and founding professor of the research center for drug discovery (RCDD) at Sun Yat-Sen University (SYSU) in Guangzhou, China. He is a veteran from America pharmaceutical industry, practicing chemoinformatics and computer-aided drug design (CADD) for over 20 years. Recent years, his main focus at SYSU has been to apply the principles of chemoinformatics, CADD, and supercomputing technologies to the design of small molecular drugs, and traditional Chinese medicine (TCM) remedies.

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