

Biosketch



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Dr. Yang was graduated from China Medical University with Bachelor Degree in Public Health, China. In 1999, he obtained his M.D. and Ph.D. in Microbiology in Yamanashi Medical University, Japan. Dr. Yang is the candidate of the Hundred Talents Program, Chinese Academy of Sciences (CAS).

Dr. Yang has been doing HIV/AIDS research for many years, especially on genovariation and recombination of HIV in China. Dr. Yang had conducted profound studies on HIV molecular epidemic in Yunnan Province of China and identified the 2nd generation HIV recombinant forms for the first time, which revealed the mechanism of prevalent recombinants in China and illuminated the prevalent rules of CRF08_BC. Besides, Dr. Yang successfully cloned the infectious HIV epidemic strain and analyzed its biologic characteristics. Dr. Yang had made a significant progress on gene evolution, viral origin and biological characteristics of HIV-1 B' subtype, and have found a new recombinant subtype of CRF48_01B in Malaysian fishermen by collaborating with Japan and Malaysia. Recently we firstly revealed the existent of a new variant CRF01_AE-v and its potential epidemic threat. Dr. Yang had successfully constructed a new kind of SHIV infectious clone based on env gene derived from the main epidemic strain of CRF08_BC in China, and a correspondent SHIV/rhesus macaque infectious model has been established initially, which will be very useful for the study on the antiviral drug and vaccine test.

Research Project Funded by:

Selected Publications:

1. Zhang Y, Luo Y, Li Y, Zhang Y, Wu W, Peng H, Han L, Chen Y, Ruan L, **Yang R***. (2020). Genetic diversity, complicated recombination and deteriorating drug resistance among HIV-1 infected individuals in Wuhan, China. *AIDS Res. Hum. Retroviruses*. 2020. doi: 10.1089/AID.2020.0142.
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Research Group

Staffs:

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