



**Professor Jun YU**

**Professor, Department of Medicine and Therapeutics, The Faculty of Medicine**

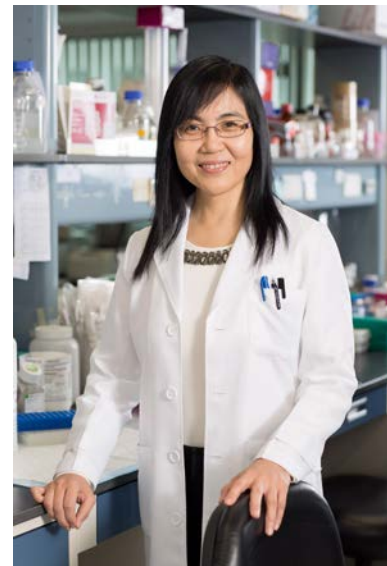
**Director of the Research Laboratory of Institute of Digestive Disease**

**Associate Director of State Key Laboratory of Digestive Disease**

**The Chinese University of Hong Kong**

**Biography**

**Professor Jun YU** is a Professor at the Department of Medicine and Therapeutics, Director of the Research Laboratory of Institute of Digestive Disease, and Associate Director of State Key Laboratory of Digestive Disease, The Chinese University of Hong Kong (CUHK). Professor Yu obtained her MD and PhD at Tongji Medical University in 1994 and then she embarked on gastrointestinal specialist in Beijing University, followed by a postdoctoral fellowship in the University of Dresden, Germany and CUHK (under Professor Joseph Sung), and worked as a Senior Research Officer at University of Sydney. She has been a CUHK faculty member since 2005. She is also the visiting or honorary professor of over 10 universities including Beijing University, Sun Yat-Sen University, Zhejiang University, Shanghai Jiaotong University, CAS Guangzhou Institute of Advanced Technology, The Fourth Military Medical University, etc. She also serves as associate editor or editorial board member for over 10 international journals.



Over the years, Professor Yu has made new findings in the areas of gastrointestinal cancers in relation to the genomic and epigenomic molecular mechanisms, cancer biomarkers, cancer therapy, fatty liver disease and liver cancer. She has discovered over 10 new genes that suppress stomach cancer, and revealing for the first time the genomic and epigenomic alterations in EBV-associated stomach cancer by integrated genome sequencing. All these discoveries are crucial to understanding the pathogenetic mechanisms of stomach cancer. In recent years, the prevalence of colon cancer has increased greatly in Hong Kong. Professor Yu has discovered genes that facilitate and suppress colon cancer; discovered driver mutations for the implementation of personalized cancer therapy, the biclonal origin of colon cancer and survival associated mutation signature in colon cancer; pioneered the non-invasive diagnostic biomarkers for colon cancer. These findings open up a new class of molecular mechanisms and diagnosis for colon cancer pathogenesis. Recently, Professor Yu has demonstrated some major discoveries in the pathogenetic mechanisms of non-alcoholic fatty liver disease (NAFLD), which will comprehensively depict the molecular landscape of NAFLD by using unbiased systems biology approaches, thereby finding out the preventative and curative treatments.

Professor Yu's contributions to the advancement of medical sciences have been recognized with many prestigious awards such as the Research Excellence Award CUHK (2010); First-class of the Ministry of Education (MOE) Higher Education Outstanding Scientific Research Output Awards (Natural science) (2010); First-class of MOE Higher Education Outstanding Scientific Research Output Awards (Scientific and Technological Progress Award) (2012); National Award for Science and Technology Progress 2012 (2012); First-class of MOE Higher Education Outstanding Scientific Research Output Awards (Natural science) (2014), and Outstanding Fellow of the Faculty of Medicine, CUHK (2015). Professor Yu has published over 280 publications in international peer-reviewed journals and obtained 9 patents in cancer biomarkers.