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TSUI Kwok-Wing Stephen is currently a professor in the School of Biomedical Sciences and directors of the Hong Kong Bioinformatics Centre and the Centre for Microbial Genomics and Proteomics in the Chinese University of Hong Kong (CUHK). In 1995, he received his Ph.D. degree in Biochemistry at CUHK and his thesis is related to the study of the human genome. He was then appointed as an Assistant Professor in the Biochemistry Department in 1997 and promoted to the professorship in 2004. He was also a former member of the International HapMap Consortium and worked on the single nucleotide polymorphisms of human chromosome 3p. During the SARS outbreak in 2003, his team was one of the earliest teams that cracked the complete genome of the SARS-coronavirus. Totally, he has published more than 158 scientific papers in international journals, including *Nature*, *New England Journal of Medicine*, *Lancet*, *PNAS*, *Circulation*, *Journal of Allergy and Clinical Immunology* and *Genome Biology*. He is very interested in bioinformatics, comparative genomics and molecular biology of clinical pathogens including human immunodeficiency virus (HIV), hepatitis B virus (HBV), influenza virus and *Mycobacterium tuberculosis*. Most recently, he cracked the genome, transcriptome and microbiome of two dust mite species, which can be linked to the house dust mite allergy.