

HKIAS 10th Anniversary Distinguished Lecture Series

AI-Empowered Vaccine and Antibody Development

14 October 2025 (Tuesday)

10:30am-11:30am

(Light refreshment will be served from 10:00am-10:30am)

Senate Room, 19/F, Lau Ming Wai Academic Building,
City University of Hong Kong



Speaker:

Professor Gao Fu

HKIAS Senior Fellow

Professor and Former Director-General, Chinese Center for
Disease Control and Prevention

Member of the Chinese Academy of Sciences
Fellow of The World Academy of Sciences

Biography

George F. Gao obtained his DPhil degree from Oxford University, UK and did his postdoc work in both Oxford University and Harvard University (with a brief stay in Calgary University). He is the former director general of the Chinese Center for Disease Control and Prevention, and the former vice-president of the National Natural Science Foundation of China. Currently, he is working as a professor at the Institute of Microbiology, Chinese Academy of Sciences.

He has been a key leader in the public health field, making remarkable contributions to research and discovery through basic research, clinical evaluation, and advocacy. He has made many remarkable contributions to the scientific field of control and prevention of emerging infectious diseases. His contribution in science is not only for basic life/medical sciences but also for clinical-related preventive medical sciences and public health, which can be reflected from his publications in the top scientific journals, i.e., *Nature*, *Science*, *Cell*, *The Lancet* and *The New England Journal of Medicine*. During the COVID-19 outbreak, he has co-discovered the pathogen SARS-CoV-2, and pioneered the development of the first approved neutralizing antibody drug (Ely Lilly Etesevimab) and the first approved recombinant protein subunit vaccine for COVID-19 in the world.

He is a member (academician) of Chinese Academy of Sciences (CAS), an international member of the U.S. National Academy of Sciences (NAS), a foreign member of the U.K. Royal Society (RS), a member of the German National Academy of Sciences Leopoldina, a fellow of African Academy of Sciences and a fellow of The World Academy of Sciences (TWAS). He has received the TWAS Basic Medical Sciences Award and Lecture Award, Nikkei Asia Prize in Japan and The Gamaleya Medal in Russia. He is the founding editor-in-chief of both *China CDC Weekly* and *hLife* journals.

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