

Curriculum Vitae

Professor George Fu Gao



Date of Birth 15.11.1961
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Education and Appointment

1979-1983	Shanxi Agricultural University, China	B.Sc, DVM
1983-1986	Beijing Agricultural University, China	M.Sc
1991-1994	Oxford University, United Kingdom,	DPhil
1987-1991	Teaching Assistant and Lecturer (Virology), College of Vet. Med., Beijing Agricultural University (BAU), P.R. China	
1995-1998	Welcome Trust/MRC Postdoctoral Research Assistant (RS1A), Nuffield Dept. of Clinical Medicine, Institute of Molecular Medicine, Oxford University, Drs John Bell, Andrew McMichael and Bent Jakobsen Lab. (Three months of academic visit as a postdoc fellow at Dept. of Clinical Neurosciences, Dr Robert Bell Lab, The University of Calgary, Canada, in the end of 1994, before taking up the Oxford postdoc position).	
1998-1999	Research Associate (Band 3), MRC Human Immunology Unit, Institute of Molecular Medicine, University of Oxford	
1999-2001	Welcome Trust (UK) International Research Fellow, Howard Hughes Medical Institute, Children's Hospital; Dept. of Biological Chemistry and Molecular Pharmacology, Harvard Medical School; and Dept. of Molecular and Cellular Biology, Harvard University (Drs Don C Wiley and Stephen C Harrison Lab)	
2001-2006	Research Lecturer, Nuffield Dept. of Clinical Medicine, Oxford University	
2004-2008	Professor, Director-General, Institute of Microbiology, Chinese Academy of Sciences (IMCAS)	
2008-	Vice-President, Beijing Institutes of Life Science, Chinese Academy of Sciences (CAS) Professor, Institute of Microbiology, Chinese Academy of Sciences (CAS) Director, CAS Key Laboratory of Pathogenic Microbiology and Immunology, IMCAS	
2011-2017	Deputy Director-General, Chinese Center for Disease Control and Prevention (China CDC)	

2015-	Dean, Savaid Medical School, University of Chinese Academy of Sciences (UCAS)
2017-	Director-General, Chinese Center for Disease Control and Prevention (China CDC)
2018-	Vice President, National Natural Science Foundation of China (NSFC) (In charge of both Biology and Medicine dept)

Awards and Honours

- The Qiu Shi Outstanding Scientist and Outstanding Scientific Research Team Awards (2019);
- HKU Centennial Distinguished Chinese Scholar (2019);
- The Gamaleya Medal (Russia 2018);
- Shulan Medical Sciences Award (2016);
- Japanese Foreign Minister's Commencement (2015);
- JP Wu-Paul Janssen (Medical and Pharmaceutical) Award (2015) ;
- HLHL Foundation for Scientific and Technological Advancement (2015);
- National Prize for Progress in Science and Technology, P. R. China (2011 and 2014);
- Outstanding Science and Technology Achievement Prize of the Chinese Academy of Sciences (2014);
- Tan Jiazhen (C. C. Tan) Grand Achievement Prize (2014) and Life Science Innovation Award (2008);
- Nikkei Asia Prize (Japan 2014);
- Science and Technology Innovation Talent-CCTV Grand Ceremony for Science and Technology (2013) (Top 10 Scientists in 2013);
- SEBM Distinguished Scientist Award (Society for Experimental Biology and Medicine, USA) (2013);
- TWAS (The Third World Academy of Sciences) Prize (Medical Sciences) (2012);
- Beijing Scientific and Technological Award (2011);
- Scientific and Technological Award-Chinese Preventive Medicine Association (2011, 2017);
- Scientific and Technological Award-Chinese Medical Association (2011);
- Thompson Reuters Research Front Award (2008);
- New century candidate of the national project "Hundred-Thousand-Talents" (Awarded by Ministry of Personnel of the People's Republic of China) (2006);
- National Natural Science Foundation of China (NSFC) "Distinguished Young Investigator" (2005);
- Chinese Academy of Sciences (CAS) "Hundred-Talent Project" (2004);
- Young Scientist Award-China Association for Science and Technology (1988).

Fellowship/ Membership by election

- Member (academician), Chinese Academy of Sciences (CAS), 2013
- Fellow, The Third World Academy of Sciences (TWAS), 2014
- Fellow, American Academy of Microbiology (AAM), 2015
- Associate Member, European Molecular Biology Organization (EMBO), 2016
- Fellow, American Association for the Advancement of Science (AAAS), 2016
- Fellow, The Royal Society of Edinburgh (RSE), 2017
- Fellow, African Academy of Sciences (AAS), 2017
- Member (academician), International Eurasian Academy of Sciences (IEAS), 2019
- Foreign Associate, National Academy of Sciences (NAS), 2019

- Member, National Academy of Medicine (NAM), 2019
- Member, Brazilian Academy of Sciences (BAS), 2019
- Member, The German National Academy of Sciences Leopoldina, 2020

Society services:

- Vice Chair of Division of Virology, International Union of Microbiological Societies (IUMS)
- President of Asian Federation of Biotechnology (AFOB)
- President of Chinese Society of Biotechnology
- Immediate Past-President of Chinese Society for Virology
- Vice President of Chinese Medical Association
- Steering Committee Member, International Consortium of Antivirals

Professional Titles

- Honorary professor, Hong Kong University
- Visiting Professor, Oxford University
- Editorial Board: Cell, EMBO Journal, Journal of General Virology (UK-SGM), Experimental Biology and Medicine, Vector-borne and Zoonotic Diseases, Zoonoses and Public Health, Philosophical Transactions of the Royal Society B: Biological Sciences, Antiviral Research, Protein and Cell (Deputy Editor-in-Chief), Emerging Microbes and Infections, Chinese Science Bulletin (in Chinese), Chinese Journal of Biotechnology (in Chinese), China CDC Weekly, Journal of Microbes and Infection etc.

Leadership and Management

Current leadership: Vice president of National Natural Science Foundation of China, NSFC, overseeing the total of **7-8 billion RMB** annual budget for biomedical research in China; Director-General of China CDC, directing the China's disease prevention and control esp. playing important role in assistance of African CDC-build-up and public health in Africa),

In addition, Gao directed the Institute of Microbiology, Chinese Academy of Sciences, from 2014-2008 and is the founding director for the Tianjin Institute of Industrial Biotechnology, CAS; A China-Japan joint lab was established during his director-general term in 2006 in the Institute of Microbiology, CAS; He is directing the building-up of newly-established medical school at University of Chinese Academy of Sciences; He was the head for the China Mobile Test Lab in Sierra Leone during China CDC's mission fighting against Ebola between September and November, in 2014.

Post Graduate Training

In addition to his own leadership role in post graduate education and training, his other major contribution has been the mentoring of a significant number of PhD students or postdoc who have gone on to pursue successful careers both inside and outside academia.

Research

Gao's 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 "grand-slam"

publications in 5 top-niche scientific journals, i.e., **Nature, Science, Cell, The Lancet and The New England Journal of Medicine.**

Gao has focused his research work on pathogen biology and immunology in his career. He has made numerous remarkable contributions to the related research: the origins and interspecies transmission mechanisms of avian influenza viruses, virus entry mechanisms, and T-cell molecular recognition. He has so far published over 600 peer-reviewed scientific papers and 17 books or book chapters, with an H-index of 80. His heroic roles in fighting against Ebola outbreak in 2014 by spending two months (between September to November) during the peak outbreak in Sierra Leone, leading a China Mobile Test Laboratory, is highly appreciated worldwide.