Curriculum Vitae

PERSONAL DATA

Name: Hung Tao (Hong Tao), M.D., Ph.D.
Sex: Male
Marrital Status: Married, two children
Date of Birth: Dec. 26, 1931
Citizenship: Chinese
Present Position:
Professor & Chairman, the head of (Hong Tao) Acadamician's Lab, Institute for Viral Disease Control and Prevention, China CDC
Honorary Director, College of Life Sciences and Bioengineering, Beijing Jiaotong University
Visiting professor, Peking Union Medical College
Member, Chinese Academy of Engineering
Member, Third World Academy of Sciences (TWAS)
President, Chinese Society of Medical Virology, Chinese Medical Association
Chairman, Public Health and Medicine Committee, Pacific Science Association
Editor-in-Chief, Chinese Journal of Experimental and Clinical Virology
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MEMBERSHIP

Member, American Society of Microbiology
Member, American Society of Electron Microscopy
Member, American Society of Virology
Standing member, Organizing Committee and Committee for Foreign Affairs, Chinese Medical Association
Life Member, Society of Chinese Bioscientists in America (SCBA)

EDUCATION

1955-1960, Institute of Virology, Rumania Academy of Sciences, Bucharest,
Ph.D. in Medical Virology
1949-1955, Shandong Medical College, Jinan, Shandong, M.D.

MEMBER OF EDITORIAL BOARD

Acta Virologica, Since 1985-
Journal of Infectious Disease

HONORS

Visiting professor, The University of Chicago
Visiting professor, Pennsylvania State University
Visiting professor, Korea University, Seoul

AWARDS

He-Liang-He-Li Prize for Science and Technology Achievements, 1997
National Award for Science and Technology Advancement (Class II) for molecular

studies on ADRV, 1996
Award for Science and Technology Advancement (Class II) for studies on ADRV, 1994
Honorary Award, Meritous Service Award, WHO Collaborating Center for Virus Reference and Research& Inst. Virology, Korea, Seoul, 1993
First Class Award for The Atlas of HFRS, 5th National Committee for Outstanding Books in the field of Science & Technology, 1990
WHO 1986 grant awarded for Adult Diarrhea Rotavirus (ADRV)
WHO 1988 grant awarded for the Development of Rapid Diagnosis of ADRV
National Nature Science Award (III), China National Commission for Nature Sciences for outstanding contribution in studying HFRS, 1989.
National Nature Science Award (III) for the outstanding contribution in study of Adult Diarrhea Rotavirus (ADRV), awarded by China National
Commission for Nature Science, Achievement Awarding.
Commemorative awards (Certificates of Merit) of International WHO'S
WHO IN MEDICINE--FIRST EDITION, Cambridge, England, 1986
Specialist with outstanding contribution, awarded by the National Commission for Science and Technology, China, 1986
First Class Award for the Discovery of Adult Diarrhoea Rotavirus (ADRV), 1985 Ministry of Health
Achievement Awards for Contributions on the New Developments of Biomedical Electron Microscopy, 1979, 1980 and 1983.
First Class Achievement Award for the Discovery of Morphology and Morphogenesis of HFRS Viruses, 1984, Ministry of Health.
Awarded at the National Congress of Medical Sciences for the Contributions on Ultrastructural Research of an Ancient Cadaver of 2200 years (Han Dynasty), 1978

PUBLICATIONS

BOOKS

1. Selective Works of Dr. C. H. Huang, The founder of Chinese Medical Virology, Inst. Virology, 1990
2. Medical Virology-- Basis, Fundamental Techniques and Methods, Science Press, Beijing, 1990
3. Altas of Hemorrhagic Fever with Renal Syndrome, in English and in Chinese Edition, Science Press, Beijing, 1988
4. Viral Diarrhoea Publishing House, Ministry of Coal Industry, Beijing, 1984
5. Advances and Perspectives in Virology (a book written after visiting to the United States), Inst. of Medical Information, Beijing, 1981
6. Ultrastructure and Electron Microscopy in Biomedicine, Science Press, Beijing, 1980
7. Altas of Electron Microscopy in Biomedicine, Science Press, Beijing, 1978
8. Conquering of Infectious Illnesses-Series Books in Commemoration of 100 Years of the Nobel Prize Shanghai Science Press, Shanghai, 2002
9. Virus and Brain. Publishing House of Qinghua University, Beijing, 2005
10. Infectious and None-infectious Dementia: Prion and Alzheimer’s disease. Science Press, Beijing, 2011

SCIENTIFIC PAPERS

(More than 200 papers have been published, the following are representative ones)

1. Ying Zhang, Hai-Qiang Yang, Fang Fang, Lin-Lin Song, Yue-Ying Jiao, He Wang, Xiang-Lei Peng, Yan-Peng Zheng, Jun Wang, Jin-Sheng He, Tao Hung. Single chain variable fragment against Aβ expressed in baculovirus inhibits abeta fibril elongation and promotes its disaggregation. PLoS One. 2015, 10(4):e0124736
2. Ying Zhang, Tao Hung, Jingdong Song, Jinsheng He. Electron Microscopy: Essentials for Viral Structure, Morphogenesis and Rapid Diagosis. SCIENCE CHINA Life Sciences, 2013, 56 (5): 421-430
3. Ying Zhang, Jin-Sheng He, Xin Wang, Jun Wang, Fu-Xiang Bao, Wei-Min Sun, Si-Yuan Pang, Fan Yin, Hong-Gang Hu, Xiang-Lei Peng, Yan-Peng Zheng, Ling-Ling Hou, Tao Hong. Administration of Aβ42 Oligomers Specific Monoclonal Antibody Improved Memory Performance in SAMP8 Mice. J Alzheimer Dis，2011, 23 (3): 551-561
4. Liu Y, Wei H, Wang J, Qu J, Zhao W, Hung T. Effects of randomizing the Sup35NM prion domain sequence on formation of amyloid fibrils in vitro. Biochem Biophys Res Commun, 2007, 353 (1):139-146
5. Zhao X, Dong XP, Zhang BY and Hung T. Expression of human PrP protein using GST system.Chin J Exp & Clin Virol, 1999, 15(3): 321-23
6. Shi CX, Wen,LY, Liu, SQ and Hung T. Construction of adenovirus 7 vaccine strain vector and the expression of Lac Z gene. ibid, 1998, 14(4): 301-5
7. Zhou JH, Shi CX, Peng H and Hung T.The cloning of the genome of adenovirus 7 vaccine strain and sequencing of the Sma I fragment of its right arm. ibid, 1998，12(2)：101-104
8. Zhang XJ, Li J, Zhan BY and Hung T. The expression of Diphtheria toxin/IL-6 fusion protein and its cytotoxic effects. Acta Biochemica & Biophysica, 1998,30(2): 170-173
9. Jiang GQ, Shi CX and Hung T. The expression and characterization of HBs gene in Adenovirus 5vector. Chin J Exp & Clin Virol，1997, 11(4)：322-324
10. Wang JW, Jiang HY, Zhao TX, Li XC and Hung T. Expression of bluetongue virus VP7 in insect cells and its application for diagnosis of group specific antigen. Chin J Virol, 1999，15(3)，238-243
11. Wang JW, Jiang HY, Zhao TX, Li XC and Hung T. Co-expression of four major capsid proteins of bluetongue virus can assemble into virus-like particles in insect cells. Chin J Virol, 2000, 16(2): in press
12. Wang JW, Jiang HY, Qu JG, Zhao TX and Hung T. Assembly and characterization of core-like and virus-like particles expressed in insect cells. Acta Virologica, in press.
13. Zhang XJ, Li J and Hung T. The cloning of full length gene encoding Diphtheria toxin. Chin J Microbiol & Immunol, 1996，30(2): 170-173
14. Jiang, GQ, Zhang, BH and Hung T. The construction of Adenovirus 4 vaccine strain and the expression of Lac Z gene. Chin J Exp & Clin Virol，1995，9(1): 1-6
15. Peng H, Zhang BH and Hung T. Construction of general late phase expression box of adenovirus and cloning and sequencing of right arm of adenovirus 4. Chin J Exp & Clin Virol，1994，8(4): 300-304
16. Chen GM, Hung T, et al. Identification and baculovirus expression of the VP4 protein of the human group B rotavirus ADRV. J Virol, 1993, 67(5): 2730-8
17. Hung T, Xia SM, Zhao TX, et al. Hantaan virus related structures found in the kidneys of acute phase HFRS corpses. Arch Virol, 1992, 122:187-199
18. Chen GM, Werner R, Hung T, et al. Expression of the major innercapsid protein of the group B rotavirus ADRV: primary characterization of genome segment 5. Virol,

1991,182: 820-9
19. Chen GM, Hung T, et al. cDNA cloning of each genomic segment of the group B rotavirus ADRB: Molecular characterization of the eleventh gene segment. Virol, 1990, 175:605-9
20. Chen GM, Hung T and Mackow ER. Identification of the gene encoding the group B rotavirus VP7 equivalent: primary characterization of the ADRV segment 9 RNA. Virol, 1990, 178: 311-5
21. Hung T. Rotavirus and adult diarrhea. Advances in Virus Res. 1988, 35:193-218
22. Hung T, xia SM, Chou ZY, et al. Morphology and morphogenesis of viruses of hemorrhagic fever with renal syndrome.-II. Inclusion bodies--ultrastructural markers of hantavirus infected cells. Intervirol, 1987, 27:45-52
23. Hung T, Chen GM, Wang CA. Seroepidemiology and molecular epidemiology of adult diarrhea rotavirus. Ciba Foundation symposium, 1986, 128: 49-54
24. Hung T, xia SM, Chou ZY, et al. Morphology and morphogensis of viruses of HFRS-I. Some peculiar aspects of the morphogenesis of various strains of HFRS virus. Intervirol, 1985, 23: 97-108
25. Hung T, Chen GM, Wang CA, et al. Waterborne outbreak of rotavirus diarrhea in China caused by a novel rotavirus. Lancet , 1984, I(8387): 1139
26. Hung T, Chen GM, Wang CA, et al. Rotavirus-like agent in adult non-bcterial diarrhea in China, Lancet, 1983, II(8358):1078
27. Hung T, Xia SM, Chou ZY, et al. Morphological characterization of the etiologic agents of hemorrhagic fever with renal syndrome isolated in China have similar Bunyavirus like morphology. Lancet, 1983 I(834):589
28. Hung T, Xia SM, Chou ZY, et al. Morphological evidence for identifying the viruses of hemorrhagic feber with renal syndrome as candidate member of the Buniyaviridae family. Arch Virol, 1983, 78: 137-44