
EDUCATION

- 2000-2003 **BSc / Animal and plant biotechnology (2ndA honor)**, The University of Hong Kong
Supervisor: Prof. Frederick C. C. Leung
Final Year Project: Mice Test on Hog Cholera DNA Vaccine: Improvement of the DNA Vaccine by the Combination of Various Components with the Fragments of E2 Gene.
Date of receive: Nov 2003
- 2003-2005 **Master of Philosophy (Virology)**, The University of Hong Kong
Supervisor: Prof. Frederick C. C. Leung
Thesis: Characterization of Cellular Receptors of Infectious Bursal Disease Virus (IBDV) in chickens
Date of receive: Nov 2006
- 2006-2010 **Doctor of Philosophy (Virology)**, The University of Hong Kong
Supervisor: Prof. Frederick C. C. Leung
Thesis: Characterization of the cell entry mechanism of infectious bursal disease virus.
Date of receive: Nov 2010

WORKING EXPERIENCE

- 2005-2006 **Research Assistant**, The University of Hong Kong
Supervisor: Prof. Frederick C. C. Leung
Major Project: Investigation of the occurrence of Penicillium marneffeii infections in wild rats in Hong Kong
- 2010-2015 **Post-Doctoral Fellow**, The University of Hong Kong
Supervisor: Dr. S.T. Cheung
Major Project: Characterization of binding partners of granulins-epithelin precursor on liver cancer cells
- 2015-now **Research Scientist**, RIKEN Centre for Life Science Technologies
Supervisor: Dr. Jay W. Shin
Major Project: High Throughput knock-down of lncRNA

AWARD

Young Investigator Award; Oral presentation from the 19th Hong Kong International Cancer Congress (Nov 8-9, 2012)

PUBLICAITONS

1. Chow, K.Y., Hon, C.C., Hui, R.K., Wong, R.T., **Yip, C.W.**, Zeng, F., and Leung, F.C., Molecular advances in severe acute respiratory syndrome-associated coronavirus (SARS-CoV). *Genomics, proteomics & bioinformatics* 1, 247-262, Nov, 2003.
2. Zeng, F., Chow, K.Y., Hon, C.C., Law, K.M., **Yip, C.W.**, Chan, K.H., Peiris, J.S., and Leung, F.C., Characterization of humoral responses in mice immunized with plasmid DNAs encoding SARS-CoV spike gene fragments. *Biochemical and biophysical research communications* 315, 1134-1139, Mar 19, 2004.
3. ***Yip, C.W.**, Hon, C.C., Zeng, F., Chow, K.Y., and Leung, F.C., Prevalence of non-pneumonic infections with SARS-correlated virus. *Lancet* 363, 1825; author reply 1826-1827, May 29, 2004.
4. Hon, C.C., Lam, T.Y., Drummond, A., Rambaut, A., Lee, Y.F., **Yip, C.W.**, Zeng, F., Lam, P.Y., Ng, P.T., and Leung, F.C., Phylogenetic analysis reveals a correlation between the expansion of very virulent infectious bursal disease virus and reassortment of its genome segment B. *Journal of virology* 80, 8503-8509, Sep, 2006.
5. Zeng, F., Hon, C.C., **Yip, C.W.**, Law, K.M., Yeung, Y.S., Chan, K.H., Malik Peiris, J.S., and Leung, F.C., Quantitative comparison of the efficiency of antibodies against S1 and S2 subunit of SARS coronavirus spike protein in virus neutralization and blocking of receptor binding: implications for the functional roles of S2 subunit. *FEBS letters* 580, 5612-5620, Oct 16, 2006.
6. ***Yip, C.W.**, Yeung, Y.S., Ma, C.M., Lam, P.Y., Hon, C.C., Zeng, F., and Leung, F.C., Demonstration of receptor binding properties of VP2 of very virulent strain infectious bursal disease virus on Vero cells. *Virus research* 123, 50-56, Jan, 2007.
7. ***Yip, C.W.**, Hon, C.C., Zeng, F., Chow, K.Y., Chan, K.H., Peiris, J.S., and Leung, F.C., Naturally occurring anti-Escherichia coli protein antibodies in the sera of healthy humans cause analytical interference in a recombinant nucleocapsid protein-based enzyme-linked immunosorbent assay for serodiagnosis of severe acute respiratory syndrome. *Clinical and vaccine immunology: CVI* 14, 99-101, Jan, 2007.

8. Lau, J.S., **Yip, C.W.**, Law, K.M., and Leung, F.C., Cloning and characterization of chicken growth hormone binding protein (cGHBP). *Domestic animal endocrinology* 33, 107-121, Jul, 2007.
9. Lam, T.T., Hon, C.C., Lam, P.Y., **Yip, C.W.**, Zeng, F., and Leung, F.C., Comments to the predecessor of human SARS coronavirus in 2003-2004 epidemic. *Veterinary microbiology* 126, 390-393, Jan 25, 2008.
10. Yeung, Y.S., **Yip, C.W.**, Hon, C.C., Chow, K.Y., Ma, I.C., Zeng, F., and Leung, F.C., Transcriptional profiling of Vero E6 cells over-expressing SARS-CoV S2 subunit: insights on viral regulation of apoptosis and proliferation. *Virology* 371, 32-43, Feb 5, 2008.
11. Hon, C.C., Lam, T.Y., Shi, Z.L., Drummond, A.J., **Yip, C.W.**, Zeng, F., Lam, P.Y., and Leung, F.C., Evidence of the recombinant origin of a bat severe acute respiratory syndrome (SARS)-like coronavirus and its implications on the direct ancestor of SARS coronavirus. *Journal of virology* 82, 1819-1826, Feb, 2008.
12. Lam, T.T., Hon, C.C., Pybus, O.G., Kosakovsky Pond, S.L., Wong, R.T., **Yip, C.W.**, Zeng, F., and Leung, F.C., Evolutionary and transmission dynamics of reassortant H5N1 influenza virus in Indonesia. *PLoS pathogens* 4, e1000130, 2008.
13. Hon, C.C., Lam, T.T., **Yip, C.W.**, Wong, R.T., Shi, M., Jiang, J., Zeng, F., and Leung, F.C., Phylogenetic evidence for homologous recombination within the family Birnaviridae. *The Journal of general virology* 89, 3156-3164, Dec, 2008.
14. ***Yip, C.W.**, Hon, C.C., Shi, M., Lam, T.T., Chow, K.Y., Zeng, F., and Leung, F.C., Phylogenetic perspectives on the epidemiology and origins of SARS and SARS-like coronaviruses. *Infection, genetics and evolution: journal of molecular epidemiology and evolutionary genetics in infectious diseases* 9, 1185-1196, Dec, 2009.
15. Shi, M., Lam, T.T., Hon, C.C., Murtaugh, M.P., Davies, P.R., Hui, R.K., Li, J., Wong, L.T., **Yip, C.W.**, Jiang, J.W., and Leung, F.C., Phylogeny-based evolutionary, demographical, and geographical dissection of North American type 2 porcine reproductive and respiratory syndrome viruses. *Journal of virology* 84, 8700-8711, Sep, 2010.
16. Cheung, P.F., Cheng, C.K., Wong, N.C., Ho, J.C., **Yip, C.W.**, Lui, V.C., Cheung, A.N., Fan, S.T., and Cheung, S.T., Granulin-epithelin precursor is an oncofetal protein defining hepatic cancer stem cells. *PLoS one* 6, e28246, 2011.
17. ***Yip, C.W.**, Hon, C.C., Zeng, F., and Leung, F.C., Cell culture-adapted IBDV uses endocytosis for entry in DF-1 chicken embryonic fibroblasts. *Virus research* 165, 9-16, Apr, 2012.
18. Li, K.K., ***Yip, C.W.**, Hon, C.C., Lam, C.Y., Zeng, F., and Leung, F.C., Characterisation of animal angiotensin-converting enzyme 2 receptors and use of pseudotyped virus to correlate receptor binding with susceptibility of SARS-CoV infection. *Hong Kong medical journal* 18 Suppl 3, 35-38, Aug, 2012.
19. Lam, C.Y., **Yip, C.W.**, Poon, T.C., Cheng, C.K., Ng, E.W., Wong, N.C., Cheung, P.F., Lai, P.B., Ng, I.O., Fan, S.T., and Cheung, S.T., Identification and characterization of tropomyosin 3 associated with granulin-epithelin precursor in human hepatocellular carcinoma. *PLoS one* 7, e40324, 2012.
20. Cheung, P.F.Y., **Yip, C.W.**, Ng, L.W.C., Lo, K.W., Wong, N., Choy, R.K.W., Chow, C., Chan, K.F., Cheung, T.T., Poon, R.T.P., Fan, S.T., and Cheung, S.T., Establishment and characterization of a novel primary hepatocellular carcinoma cell line with metastatic ability in vivo. *Cancer cell international* 14(1), 103, Oct 9, 2014.
21. ***Yip, C.W.**, Cheung, P.F.Y., Leung, I.C.Y., Wong, N.C.L., Cheng, C.K.C., Fan, S.T., and Cheung, S.T., Granulin-epithelin precursor interacts with heparan sulfate on liver cancer cells *Carcinogenesis* 35(11), 2485-2494, Nov, 2014.
22. Cheung, P.F.Y., **Yip, C.W.**, Wong, N.C.L., Fong, D.Y.T., Wan, A.M.Y., Cheung, T.T., Ng, I.O.L., Poon, R.T.P., Fan, S.T., and Cheung, S.T., Granulin-epithelin precursor renders hepatocellular carcinoma cells resistant to natural killer cytotoxicity. *Cancer immunology research* 2(12), 1209-1219, Dec, 2014.
23. Wong, N.C.L., Cheung, P.F.Y., **Yip, C.W.**, Chan, K.F., Ip, Y.C., Ho, J.C.Y., Ng, I.O.L., Fan, S.T., and Cheung, S.T., Antibody Against Granulin-Epithelin Precursor Sensitizes Hepatocellular Carcinoma to Chemotherapeutic Agents. *Molecular cancer therapeutics*, 13(12), 3001-12, Dec, 2014.
24. Yung, M.K., Lo, K.W., **Yip, C.W.**, Chung, G.T., Tong, C.Y., Cheung, P.F., Cheung, T.T., Poon, R.T., So, S., Fan, S.T., and Cheung, S.T., Copy number gain of granulin-epithelin precursor (GEP) at chromosome 17q21 associates with overexpression in human liver cancer. *BMC Cancer*, 15, 264, Apr, 2015.
25. Cheung, P.F., **Yip, C.W.**, Ng, L.W., Wong, C.K., Cheung, T.T., Lo, C.M., Fan, S.T., and Cheung, S.T., Restoration of natural killer activity in hepatocellular carcinoma by treatment with antibody against granulin-epithelin precursor. *Oncoimmunology*, 4(7), e1016706, Apr, 2015.
26. ***Yip, C.W.**, Cheung, P.F.Y., Wong, N.C.L., Fung, K.S.W., and Cheung, S.T., Mouse monoclonal antibodies against progranulin as therapeutics in preclinical cancer model. *Methods in Molecular Biology: Progranulin* (Book chapter, submitted).
27. ***Yip, C.W.**, Lam, C.Y., Cheung, P.F.Y., Fung, K.S.W., Poon, T.C., Ng, I.O., Fan, S.T., and Cheung, S.T., Interaction between GRP78 and Granulin-epithelin precursor in liver cancer cells (submitted).

Full text can be downloaded from: https://www.researchgate.net/profile/Chi_Wai_Yip/contributions