陈耀庆博士

【个人信息】

陈耀庆

中山大学公共卫生学院（深圳） 教授，博士生导师

办公地址：中山大学东校区诚正堂 222

通信地址：广州市番禺区外环东路 132号中山大学格致园 3号一单元 1109房

电话：020-83226383

Email: chenyaoqing@mail.sysu.edu.cn

【教育背景】

2006-2011年 武汉大学/中国科学院武汉病毒所 微生物---医学病毒学（博士）

2002-2006年 武汉大学 生物技术基地班（本科）

【研究经历】

2018/10-至今 中山大学公共卫生学院（深圳），教授

2017/06-2018/09 芝加哥大学医学院，研究专员

2013/06-2017/05 芝加哥大学医学院，博士后

2012/09-2013/05 明尼苏达州立大学药学院，博士后

【科研项目】

国家自然科学基金委面上项目（2020-2023）

中山大学青年教师重点培育计划（2019-2020）

中山大学“百人计划”杰出中青年项目（2018-2020）

【教学】

1. 医学微生物

2. 预防医学概论
3. 公共卫生与预防医学史

【研究方向】

本课题组主要通过高通量单个 B细胞的抗体分选平台来实时研究病毒感染或疫苗接种后机体的体液免疫应答机制，研究对象主要包括流感病毒，登革热病毒等新发与再发病原微生物，综合运用免疫学，病毒学，结构生物学与生物信息学等多学科方法，以人源单克隆抗体为实验材料，深入剖析病毒感染后 B细胞体液免疫应答的分子机制，为疫苗设计与优化提供理论基础。与此同时，研究与开发临床运用的人源治疗性的抗病毒单克隆抗体。

【专利】

1. US62637508 Methods And Composition For Neutralization Of Influenza

【学术论文】

Chen Y , Wohlbold T, Zheng N, Huang M, Huang Y, Neu K, Lee J, Wan H, Rojas K, Kirkpatrick[#] E, Henry C, Palm A, Stamper C, Lan L, Topham D, Treanor J, Wrammert J, Ahmed R, Eichelberger M, Georgiou G, Krammer F*, Wilson P*. Influenza Infection in Humans Induces Broadly Cross-Reactive and Protective Neuraminidase-Reactive Antibodies. Cell. 173(2): 417-429, 2018

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Chen Y , Cao L, Zhong M, Zhang Y, Han C, Li Q, Yang J, Zhou D, Shi W, He B, Liu F, Yu J, Sun Y[#], Cao Y, Li Y, Li W, Guo D, Cao Z*, Yan H*. Anti-HIV-1 activity of a new scorpion venom peptide derivative Kn2-7. PloS one. 7(4), 2012

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Cipollo JF, Wilson PC, Stevens J, Wan XF, Eichelberger MC, Ye Z. The neuraminidase of A(H3N2) influenza viruses circulating since 2016 is antigenically distinct from the A/Hong Kong/4801/2014 vaccine strain. Nature Microbilogy., 2019, doi: 10.1038/s41564-019-0522-6.

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Yang J , Zhang E, Liu F, Zhang Y, Zhong M, Li Y, Zhou D, **Chen Y**, Cao Y, Xiao Y, He B, Yang Y, Sun Y, Lu M*, Yan H*. Flagellins of Salmonella Typhi and nonpathogenic Escherichia coli are differentially recognized through the NLRC4 pathway in macrophages. Journal of innate immunity. 6(1): 47-57, 2014

Du L , Kou Z , Ma C, Tao X, Wang L, Zhao G, **Chen Y**, Yu F, Tseng C T, Zhou Y*, Jiang S*. A truncated receptor-binding domain of MERS-CoV spike protein potently inhibits MERS-CoV infection and induces strong neutralizing antibody responses: implication for developing therapeutics and vaccines. PloS one. 8(12),2013

Yang J , Zhong M, Zhang Y, Zhang E, Sun Y, Cao Y, Li Y, Zhou D, He B, **Chen Y**, Yang Y, Yu J, Yan H*. Antigen replacement of domains D2 and D3 in flagellin promotes mucosal IgA production and attenuates flagellin-induced inflammatory response after intranasal immunization. Human vaccines & immunotherapeutics. 9(5): 1084-1092, 2013

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Xiao Y, Li W, Yu J, Li Y, Fan M, Yan H*. Flagellin-PAc fusion protein is a high-efficacy anti-caries mucosal vaccine. Journal of dental research. 91(10): 941-947, 2012

Zhang Y , Yang J, Bao R, **Chen Y**, Zhou D, He B, Zhong M, Li Y, Liu F, Li Q, Yang Y, Han C, Sun Y#, Cao Y, Yan H*. Unpolarized release of vaccinia virus and HIV antigen by colchicine treatment enhances intranasal HIV antigen expression and mucosal humoral responses. PloS one. 6(9), 2011

Zhou D , Zhang Y, Li Q, **Chen Y**, He B, Yang J, Tu H, Lei L, Yan H*. Matrix protein-specific IgA# antibody inhibits measles virus replication by intracellular neutralization. J Virol. 85(21): 11090-11097, 2011

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Li Q , Zhao Z , Zhou D, **Chen Y**, Hong W, Cao L, Yang J, Zhang Y, Shi W, Cao Z, Wu Y, Yan H*#, Li W*#. Virucidal activity of a scorpion venom peptide variant mucroporin-M1 against measles, SARS-CoV and influenza H5N1 viruses. Peptides. 32(7): 1518-1525, 2011

Liu F , Yang J, Zhang Y, Zhou D, **Chen Y**, Gai W, Shi W, Li Q, Tien P, Yan H*. Recombinant flagellins# with partial deletions of the hypervariable domain lose antigenicity but not mucosal adjuvancy. Biochemical and biophysical research communications. 392(4): 582-587, 2010