高福

一、个人简介



高福：男，病原微生物与免疫学家，博士生导师。中国科学院院士，发展中国家科学院院士，美国微生物科学院院士、欧洲分子生物学组织外籍院士。中国疾病预防控制中心副主任，中国科学院大学医学院院长，中国科学院北京生命科学研究院副院长，中国科学院病原微生物与免疫学重点实验室主任，英国牛津大学客座教授。

先后在山西农业大学和北京农业大学获得学士和硕士学位，1995年在英国牛津大学获得博士学位，相继在英国牛津大学，加拿大卡尔加里大学，美国哈佛大学/哈佛医学院从事博士后研究工作。2001-2004年在英国牛津大学任讲师、实验室主任、博士生导师，2004-2008年任中国科学院微生物研究所所长。2012年获得发展中国家科学院（TWAS）医学奖；2013年获年度科技盛典—中央电视台科技创新人物；2014年获得第19届（2014年）“日经亚洲奖”（Nikkei Asia Prize）、国家科学技术进步奖一等奖和二等奖；2015年获日本外务大臣表彰奖、吴杨奖及何梁何利基金科学与技术进步奖。是国家基金委“病原微生物与宿主互作”创新研究群体带头人、“病毒跨种间传播机制”连续两个973 项目（2005-2010；2011-2015）首席科学家；中国生物工程学会理事长、中华免疫学会副会长、中国免疫学会副理事长、中国微生物学会病毒学委员会主任委员、《Protein & Cell》杂志副主编、《科学通报》（中文版）主编、英国《Journal of General Virology》editor。在包括《Cell》、《Nature》、《Science》、《The Lancet》、《NEJM》、《PNAS》、《NSMB》、《Nature Medicine》、《Nature Communications》、《JCI》和《Immunity》等SCI学术杂志发表380多篇论文。

二、主要研究方向

1. 新发突发病原流行病学；

2. 病毒感染的细胞免疫；

3. 病原宿主互作机制。

三、代表性科研项目

1. 抗埃博拉病毒抗体ZMapp的研发和规模化制备研究 国家重大科技专项课题；
2. 埃博拉病毒结构生物学研究 国家自然科学基金重大项目；
3. 病原微生物与宿主互作的分子机制 国家自然科学基金创新群体项目。

四、代表性论文、成果（2011年以来）

1. Wang, H., Shi, Y., Song, J., Qi, J., Lu, G., Yan, J., **Gao\*, G. F.**, 2016, Ebola Viral Glycoprotein Bound to Its Endosomal Receptor Niemann-Pick C1, ***Cell***, 164(1-2):258-268.
2. Song, H., Qi, J., Haywood, J., Shi\*, Y. and **Gao\*, G. F.**, 2016, Zika virus NS1 structure reveals a diversified electrostatic surface for flavivirus. ***Nature Structural and Molecular Biology***, 23(5):456-8.
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5. Song, H., Qi, J., Khedri, Z., Diaz, S. L., Yu, H., Chen, X., Varki, A., Shi, Y. and **Gao\*, G. F.**, 2016, An open receptor-binding cavity of hemagglutinin-esterase-fusion glycoprotein from newly-identified influenza D virus: basis for its broad cell tropism. ***PLoS Pathogens***, 12 (1): e1005411.
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9. Wang. F., Qi. J., Bi. Y., Zhang. W., Wang. M., Zhang. B., Wang. M., Liu. J., Yan. J., Shi. Y., **Gao\*, G. F.**, 2015, Adaptation of avian influenza A (H6N1) virus fromavian to human receptor-binding preference, ***The EMBO Journal***, 34(12):1661-73.
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