胡建和

基本信息

职称职务：教授 博士生导师

全国优秀教师，享受河南省政府特殊津贴专家

学科专业：动物医学专业

出生年月：1968.09

联系方法

办公地址：动物科技学院 E209

办公电话：0373-3040954

电子邮件：xxjianhe@126.com

通讯地址：河南省新乡市红旗区河南科技学院动物科技学院

学习和工作简历

2011-03 至现在，河南科技学院，动物科技学院，教授

2009-03 至 2011-02，河南科技学院，动物科学学院，副教授

2008-03 至 2009-03，新西兰梅西大学，生命科学学院，访问学者

2006-11 至 2006-12，以色列希伯莱大学参加国际培训

2005-06 至 2009-03，河南科技学院，动物科学学院，讲师

2003-06 至 2005-05，北京大学生命科学学院，博士后

1998-09 至 2003-06，西北农林科技大学，临床兽医学，博士

1988-09 至 1992-06，河南农业大学，畜牧专业，学士

社会任职和荣誉

兼任教育部高等学校动物医学类专业教学指导委员会委员，中国微生物学会兽医微生物学专业委员会委员，河南省畜牧兽医学会副秘书长、常务理事，河南省人民政府食品安全专家委员会委员，新乡市应急管理公共卫生专家，新乡市非洲猪瘟疫情应急防控专家组成员，新乡市农业技术标准编审委员会评审专家，《动物医学进展》核心期刊编委会委员。获河南省教育系统优秀教师、河南省青年骨干教师、河南省教育厅学术技术带头人、新乡市文明教师等荣誉称号。

主要教学情况

从 1998 年至今，在动物科技学院预防兽医学教研室从事《兽医

微生物学》和《畜牧微生物学》的教学工作。

主要研究方向

动物病原诊断、发病机理和新兽药（抗菌肽）研发。

主要代表性项目

1. 国家自然科学基金委员会，面上项目，31972715，抗菌肽 BSN-37 佐剂活性的新分子机制研究， 2020-01 至 2023-12，在研，主持。

2. 国家自然科学基金委员会，面上项目，31672559，牛源抗菌肽类似物 JH-3 增强小鼠天然免疫防御的分子机制，2017-01 至 2018-12，已结题，主持。

3. 国家科学技术部，重点研发计划（子课题），2016YFD0500708-4，猪病毒性繁殖障碍相关病原纳米免疫分析分子诊断技术，2016-07 至 2020-12，在研，主持。

4. 国家自然科学基金委员会，面上项目，31372469，动物源性抗菌肽抗菌活性及其溶血性、细胞毒性机制研究，2014-01 至 2014-12，已结题，主持。

5. 河南省科技厅，河南省杰出青年基金，104100510028，奶牛抗菌肽的高通量表达及纯化体系研究，2010-01 至 2015-12，已结题，主持。

6. 国家自然科学基金委员会，面上项目，30671562，猪瘟病毒(石

门株)功能性 T-细胞抗原表位的鉴定与分析, 2007-01 至 2007-12，已结题，主持。

代表性论著

[1] Xia Xiaojing, Xin Wang, Shouping Zhang, Yi Zheng, Lei Wang, Yanzhao Xu, Bolin Hang, Yawei Sun, Liancheng Lei, YueYu Bai*, **Jianhe Hu***(通讯作者), miR-31 shuttled by halofuginone-induced exosomes suppresses MFC-7 cell proliferation by modulating the HDAC2/cell cycle signaling axis. J. Cell. Physiol. 2019 ;234(10).

[2] Xiaojing Xia, Liancheng Lei, Song Wang, **Jianhe Hu***(通讯作者), Gaiping Zhang*. Necroptosis and its role in infectious diseases . Apoptosis 2020, 07.

[3] Xiaojing Xia, Wanhai Qin, Huili Zhu, Xin Wang, Jinqing Jiang*, **Jianhe Hu***(通讯作者). How Streptococcus suis serotype 2 attempts to avoid attack by host immune defenses. J Microbiol Immunol Infect 2019 ;52(4).

[4] Xiaojing Xia, Xin Wang, Zhe Cheng, Wanhai Qin, Liancheng Lei, Jinqing Jiang and **Jianhe Hu**(通讯作者). The role of pyroptosis in cancer: pro-cancer or pro-“host”? Cell Death and Disease. 2019,10:650.

[5] Lei Wang, Xueqin Zhao, Chunling Zhu, Yaya Zhao, Shuangshuang Liu, Xiaojing Xia, Xin Liu, Huihui Zhang, Yanzhao Xu, Bolin Hang, Yawei Sun, Shijun Chen, Jinqing Jiang, Yueyu Bai, Gaiping Zhang, Liancheng Lei, Langford Paul Richard, Hanna Fotina , **Jianhe Hu***(通讯作者).The antimicrobial peptide MPX kills Actinobacillus pleuropneumoniae and reduces its pathogenicity in mice. Veterinary Microbiology . 2020, 243.

[6] Lei Yang, Yawei Sun*, Yanzhao Xu, Bolin Hang, Lei Wang, Ke Zhen, Bing Hu, Yanan Chen, Xiaojing Xia and **Jianhe Hu***(通讯作者). Antibacterial Peptide BSN-37 Kills Extra- and Intra-Cellular Salmonella enterica Serovar Typhimurium by a Nonlytic Mode of Action. Frontiers in Microbiology. 2020, 11:174.

[7] Xia Xiaojing, Wang Xin, Zheng Yi, Jiang Jinqing, **Jianhe Hu***(通讯作者). What role does pyroptosis play in microbial infection? Journal of cellular physiology. 2019, 234(6):7885-7892.

[8] Shouping Zhang, Bin Hu, Xiaojing Xia, Yanzhao Xu, Bolin Hang, Jinqing Jiang and **Jianhe Hu***(通讯作者). Highly Sensitive Detection of PCV2 Based on Tyramide Signals and GNPL Amplifificatio. molecules 2019, 24: 4364.

[9] Wang Lei, Zhao Xueqin, Xia Xiaojing, Zhu Chunling, Zhang Huihui, Qin Wanhai, Xu Yanzhao, Hang Bolin, Sun Yawei, Chen Shijun, Jiang Jinqing, Zhang Gaiping*, **Hu Jianhe***(通讯作者). Inhibitory Effects of Antimicrobial Peptide JH-3 on Salmonella enterica Serovar Typhimurium Strain CVCC541 Infection-Induced Inflammatory Cytokine Release and Apoptosis in RAW264.7 Cells. Molecules, 2019, 24(3):e596.

[10] Lei Wang , Xueqin Zhao, Xiaojing Xia, Chunling Zhu, Wanhai Qin, Yanzhao Xu, Bolin Hang, Yawei Sun, Shijun Chen, Huihui Zhang, Huihui Jiang, **jianhe Hu***(通讯作者), Hanna Fotina, Gaiping Zhang. Antimicrobial Peptide JH-3 Effectively Kills Salmonella enterica Serovar Typhimurium Strain CVCC541 and Reduces Its Pathogenicity in Mice. Probiotics Antimicrob Proteins 2019;11(6).

[11] Wang Qing, Xu Yanzhao, Dong Mengmeng, Hang Bolin, Sun Yawei, Wang Lei, Wang Yongqiang, **Hu Jianhe***(通讯作者), Zhang Wenju *. HJH-1, a Broad-Spectrum Antimicrobial Activity and Low Cytotoxicity Antimicrobial Peptide. Molecules, 2018, 23(8):e2026.

[12] Xia Xiaojing, Wang Lei, Zhang Xiaojian, Wang Shan, Lei Liancheng, Cheng Likun, Xu Yanzhao, Sun Yawei, Hang Bolin, Zhang Gaiping*, Bai Yueyu*, **Hu Jianhe***(通讯作者). Halofuginone-induced autophagy suppresses the migration and invasion of MCF-7 cells via regulation of STMN1 and p53. Journal of cellular biochemistry. 2018, 119(5):4009-4020.

[13] Xia Xiaojing, Lei Liancheng, Qin Wanhai, Wang Lei, Zhang Gaiping*, **Hu Jianhe***(通讯作者). GCN2 controls the cellular checkpoint: potential target for regulating inflammation. Cell Death Discovery. 2018, 4:20.

[14] Xia Xiaojing, Wang Xin, Wei Xiaobin, Jiang Jinqing, **Hu Jianhe***(通讯作者). Methods for the detection and characterization of Streptococcus suis: from conventional bacterial culture methods to immunosensors. Antonie van Leeuwenhoek. 2018, 111(12):2233-2247.

[15] Xia Xiaojing, Cheng Likun, Zhang Shouping. Wang Lei, **Hu Jianhe***(通讯

作者). The role of natural antimicrobial peptides during infection and chronic inflammation. Antonie van Leeuwenhoek. 2018, 111(1):5-26.

[16] Wang Yongqiang, Zhang Wenju, Nie Cunxi, Chen Cheng, Zhang Xiaoyang, **Hu Jianhe**. Evaluation of sample extracting methods of FCSM by Lactobacillus acidophilus based on a UPLC-Q-TOF-MS global metabolomics analysis. 2018, 49(2):392-400.

[17] Xia Xiaojing, Zhang Huihui, Cheng Likun, Zhang Shouping, Wang Lei, Li Shuguang, Shen Zhiqiang, Zhang Gaiping, **Hu Jianhe***(通讯作者). Development of PPA-ELISA for Diagnosing Streptococcus suis Infection Using Recombinant Sao-M Protein As Diagnostic Antigen. Kafkas Univ Vet Fak Derg. 2017, 23(6):989-996.

[18] Wang Qiuxia, Ou Changbo, Dou Yongxi, Chen Lei, Meng Xuelian, Liu Xingyou, Yu Yan, Jiang Jinqing, Ma Jinyou, Zhang Zhidong, **Hu Jianhe**, Cai Xuepeng. M protein is sufficient for assembly and release of Peste des petits ruminants virus-like particles. Microbial Pathogenesis. 2017, 107:81-87.

[19] Xia Xiaojing, Wang Lei, Shen Zhiqiang*, Qin Wanhai, **Hu Jianhe**, Jiang Shijin*, Li Shuguang. Development of an Indirect Dot-PPA-ELISA using glutamate dehydrogenase as a diagnostic antigen for the rapid and specific detection of Streptococcus suis and its application to clinical specimens. Antonie Van Leeuwenhoek, 2017, 110(4):585-592.

[20] Wang Lei, Zhao Xueqin, Zhu Chunling, Xia Xiaojing, Qin Wanhai, Xu Yanzhao, Hang Bolin, Sun Yawei, Jiang Jinqing, Langford Paul Richard, Liancheng Lei, Gaiping Zhang,**Jianhe Hu***(通讯作者). Thymol kills bacteria, reduces biofilm formation, and protects mice against a fatal infection of Actinobacillus pleuropneumoniae strain L20[J]. Veterinary Microbiology, 2017, 203: 202-210.

[21] Wang Lan, Xu Minglu, Liu Jie, Wang You, **Hu Jianhe**, Wang Myeong-Hyeon. Sonchus asper extract inhibits LPS-induced oxidative stress and pro-inflammatory cytokine production in RAW264. 7 macrophages. Nutrition research and practice. 2015, 9(6):579-585.

[22] Zhang Qinghua, Xu Yanzhao, Wang Qing, Hang, Bolin, Sun, Yawei, Wei Xiaoxiao, **Hu Jianhe***(通讯作者). Potential of novel antimicrobial peptide P3 from bovine erythrocytes and its analogs to disrupt bacterial membranes in vitro and

display activity against drug-resistant bacteria in a mouse model. Antimicrobial agents and chemotherapy. 2015, 59(5):2835-2841.

[23] Yanzhao Xu, Qing Wang, Bolin Hang, Dengfeng Fu, Tiantian Shang, Zhiyu Zhao, Qinghua Zhang,**Jianhe Hu***(通讯作者). Serial Expression and Activity Analysis of LNK-16: A Bovine Antimicrobial Peptide Analogue. Protein J. 2014, 33(4).

[24] 胡建和；杭柏林；徐彦召；孙亚伟等；《动物微生物学(英文版)》，科学出版社，2017.(河南省“十二五”普通高等教育规划教材)

[25] 胡建和；杭柏林；徐彦召；孙亚伟等；《动物源抗菌肽》，科学出版社，2015.(学术专著)

主要奖励

1. **胡建和**，徐彦召，孙亚伟，杭柏林，张慧辉，王青，王磊，抗菌肽 P3 及其类似物的发掘与应用，河南省科学技术进步三等奖，2017 年。

2. **胡建和**，徐彦召，杭柏林，孙亚伟，王青，许明录，杨雪峰，张慧辉，王磊，刘长忠，夏小静，李月涛，朱慧丽，郭峰，动物源抗菌肽的分离、鉴定、改造、表达及应用关键技术研究，河南省教育厅，科技进步一等奖，2017 年