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副教授

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教育经历

- 2011/10 - 2012/10, 美国德州理工大学, 药理学, 留学基金委联合培养博士生
- 2009/09 - 2013/06, 中国农业大学, 营养与食品安全, 博士生
- 2006/09 - 2009/06, 中国农业大学, 农产品加工与贮藏, 硕士生
- 2002/09 - 2006/06, 中国农业大学, 食品科学与工程, 本科生

工作经历

- 2017/01-至今, 中国农业大学, 食品科学与营养工程学院, 副教授
- 2013/06-2016/12, 中国农业大学, 食品科学与营养工程学院, 讲师

研究领域及方向

1. 食源性抗癌活性成分的筛选及作用评价
程序性细胞死亡(凋亡、自噬)的调控机制研究
2. 食源性解毒代谢物质的筛选和作用机理研究
甘草香豆素、牛樟芝、姜黄素、维生素C, 等
3. 食源性真菌毒素的致毒机理研究
伏马菌素、展青霉素, 等
4. 功能性食品的开发

教授课程

《天然产物化学》、《分子营养学研究进展》

研究成果

主要科研项目

1. 国家自然科学基金青年项目, 31401494, 3'-去甲基化牛蒡子苷元诱导人肝癌细胞周期阻滞的作用和分子机制研究, 2015/01-2017/12, 24万元, 主持
2. 企业合作项目, 香菇饮料产品开发, 2017/04-2018/04, 30万元, 主持
3. 北京人类营养与健康高精尖中心开放基金, 甘草香豆素预防肝细胞脂凋亡的作用和机制研究, 2016/01-2018/12, 60万元, 主持
4. 教育部基本科研业务费, 2014XJ023, 基于裸鼠肿瘤移植模型的牛蒡子苷元及其衍生物抗癌作用及机理研究, 2014/10-2016/12, 10万元, 主持
5. 国家自然科学基金面上项目, 31371752, 展青霉素抑制肾细胞自噬小体降解的分子机制和毒理学意义研究, 2014/01-2017/12, 77万元, 参加
6. 科技部科技支撑计划专题, 2012BAD33B09, 解毒代谢功能调节生物活性物质-多酚与萜类的研究与开发, 2012/01-2015/12, 187.9万元, 参加

7. 国家自然科学基金面上项目, 31071533, 五没食子酰葡萄糖诱导肿瘤细胞类衰老现象及其分子机制研究, 2011/01-2013/12, 30万元, 参加

8. 国家自然科学基金面上项目, 20876165, 有机相辣根过氧化物酶电极电催化反应动力学的研究, 2009/01-2012/12, 32万元, 参加

代表著作与论文

1. Yin, Shutao, Liu, Xiaoyi, Fan, Lihong, Hu, Hongbo. Mechanisms of cell death induction by food-borne mycotoxins, *Critical Reviews in Food Science and Nutrition*, 2017.01.26

2. Yin, Shutao, Guo, Xiao, Li, Jinghua, Fan, Linghong, Hu, Hongbo. Fumonisin B1 induces autophagic cell death via activation of ERN1-MAPK8/9/10 pathway in monkey kidney MARC-145 cells, *Archives of Toxicology*, 2016.4.01, 90 (4) : 985~996

3. Yin, Shutao, Dong, Yinhui, Li, Jinghua, Fan, Lihong, Wang, Lei, Lu, Junxuan, Vang, Ole, Hu, Hongbo. Methylseleninic acid potentiates multipletypes of cancer cells to ABT-737-induced apoptosis by targeting Mcl-1 and Bad, *Apoptosis*, 2012.4.01, 17 (4) : 388~399

4. Yin, Shutao, Dong, Yinhui, Li, Jinhua, Lu, Junxuan, Hu, Hongbo. Penta-1,2,3,4,6-O-Galloyl-Beta-D-Glucose Induces Senescence-Like Terminal S-Phase Arrest in Human Hepatoma and Breast Cancer Cells, *Molecular Carcinogenesis*, 2011.8.01, 50 (8) : 592~600

5. Yin, Shutao, Huo, Yazhen, Dong, Yinhui, Fan, Lihong, Yang, Hanchun, Wang, Leyuan, Ning, Yibao, Hu, Hongbo. Activation of c-Jun NH(2)-terminal kinase is required for porcine reproductive and respiratory syndrome virus-induced apoptosis but not for virus replication, *Virus Research*, 2012.6.01, 166 (1-2) : 103~108

6. Chen, Ni , Yin, Shutao, Song, Xinhua, Fan, Lihong, Hu, Hongbo. Vitamin B-2 Sensitizes Cancer Cells to Vitamin-C-Induced Cell Death via Modulation of Akt and Bad Phosphorylation, *Journal of Agricultural and Food Chemistry*, 2015.8.5, 63 (30) : 6739~6748

7. Zhang, Engxiang, Yin, Shutao, Song, Xinhua, Fan, Lihong, Ye, Min , Hu, Hongbo, Glycycomarin inhibits hepatocyte lipoapoptosis through activation

of autophagy and inhibition of ER stress/GSK-3-mediated mitochondrial pathway,

Scientific Report, 2016.11.30

8. Huo, Yazhen, Win, Sanda, Than, Tin Aung, Yin, Shutao, Ye, Min, Hu, Hongbo, Kaplowitz, Neil, Antcin H Protects Against Acute Liver Injury Through Disruption of the Interaction of c-Jun-N-Terminal Kinase with Mitochondria, *Antioxidants & Redox Signaling*, 2017.02.10, 26 (5) : 207~220

9. Huo, Yazhen, Yin, Shutao, Yan, Mingzhu, Win, Sanda, Than, Tinaung, Aghajan, Mariam, Hu, Hongbo, Kaplowitz, Neil, Protective role of p53 in acetaminophen hepatotoxicity, *Free Radical Biology and Medicine*, 2017.02.11

10. Jin, Huan, Yin, Shutao, Song, Xinhua, Zhang, Enxiang, Fan, Lihong, Hu, Hongbo, p53 activation contributes to patulin-induced nephrotoxicity via modulation of reactive oxygen species generation, *Scientific Reports*, 2016.4.13

11. Guo, Xiao, Dong, Yinhui, Yin, Shutao, Zhao, Chong, Huo, Yazhen, Fan, Lihong, Hu, Hongbo, Patulin induces pro-survival functions via autophagy inhibition and p62 accumulation, *Cell Death & Disease*, 2013.10.01

12. Dong, Yinhui, Yin, Shutao, Song, Xinhua, Huo, Yazhen, Fan, Lihong, Ye, Min, Hu, Hongbo. Involvement of ROS-p38-H2AX Axis in Novel Curcumin Analogues-Induced Apoptosis in Breast Cancer Cells, *Molecular Carcinogenesis*, 2016.4.01, 55 (4) : 323~334

13. Song, Xinhua, Yin, Shutao, Huo, Yazhen, Liang, Min, Fan, Lihong, Ye, Min , Hu, Hongbo. Glycycomarin ameliorates alcohol-induced hepatotoxicity via activation of Nrf2 and autophagy, *Free Radical Biology and Medicine*, 2015.89: 135~146

14. Dong, Yinhui, Yin, Shutao, Jiang, Cheng, Luo, Xiaohu, Guo, Xiao, Zhao, Chong, Fan, Lihong, Meng, Yubing, Lu, Junxuan, Song, Xinhua, Zhang, Xudong, Chen, Ni, Hu, Hongbo, Involvement of autophagy induction in penta-1,2,3,4,6-O-galloyl-beta-D-glucose-induced senescence-like growth arrest in human cancer cells, *Autophagy*, 2014.2.1, 10 (2) : 296~310

15. Guo, Xiao, Yin, Shutao, Dong, Yinhui, Fan, Lihong, Ye, Min, Lu, Junxuan, Hu, Hongbo. Enhanced Apoptotic Effects by the Combination of Curcumin and Methylseleninic Acid: Potential Role of Mcl-1 and FAK, *Molecular Carcinogenesis*, 2013.11.01, 52 (11) : 879~889

16. Huo, Yazhen, Fan, Lihong, Yin, Shutao, Dong, Yinhui, Guo, Xiao, Yang, Hanchun, Hu, Hongbo. Involvement of unfolded protein response, p53 and Akt in modulation of porcine reproductive and respiratory syndrome virus-mediated JNK activation, *Virology*, 2013.9.01, 444 (1-2) : 233~240

17. Tong, Jing, Yin, Shutao, Dong, Yinhui, Guo, Xiao, Fan, Lihong, Ye, Min, Hu, Hongbo. Pseudolaric Acid B Induces Caspase-Dependent Apoptosis and Autophagic Cell Death in Prostate Cancer Cells, *Phytotherapy Research*, 2013.6.01, 27 (6) : 885~891

18. Zhao, Chong, Yin, Shutao, Dong, Yinhui, Guo, Xiao, Fan, Lihong, Ye, Min, Hu, Hongbo. Autophagy-dependent EIF2AK3 activation compromises ursolic acid-induced apoptosis through upregulation of MCL1 in MCF-7 human breast cancer cells *Autophagy*, 2013.2.01, 9 (2) : 196~207

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授权发明专利

扈洪波, 宋鑫华, 叶敏, 尹淑涛, 甘草香豆素作为PBK/TOPK蛋白抑制剂的新用途 2015.06.17 中国CN201510983405.6

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