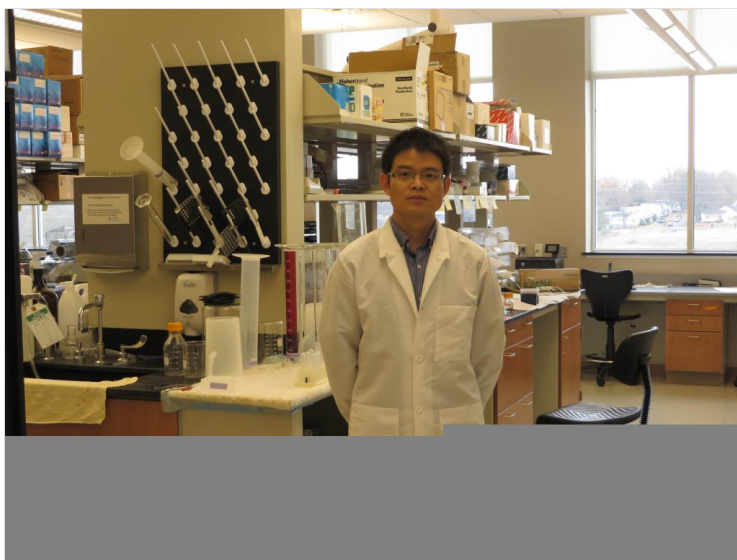


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广东医学微量元素学会副理事长兼副秘书长、广东省营养学会理事、广东省营养学会青年工作委员会副主任委员、广东省营养学会营养与慢病管理专业委员会常务委员、中华预防医学会自由基专业委员会委员、广东省中西医结合学会肥胖与体重管理专业委员会常委、美国营养学会会员、中国营养学会会员、广东省营养学会会员

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研究方向: 食物中生物活性物质与慢性非传染性疾病防治、慢性非传染性疾病发病分子机制与防治

科研项目:

1.国家自然科学基金面上项目 (No.81872621) , 大豆皂甙经调控肝脏-胆汁酸-肠道菌群代谢轴预防非酒精性脂肪肝病活性与机理研究, 2019.01-2022.12, 58万元, 主持人。

2.国家自然科学基金面上项目 (No.81573125) , 大豆皂甙调控TLR4信号通路关键靶点的发现及其抗慢性炎症机理, 2016.01-2019.12, 50万元, 主持人。

3.国家青年自然科学基金 (No.81102130) , 大豆皂甙经调节NF- $\kappa$ B信号通路抗慢性炎症的机理研究, 2012.01-2014.12, 23万元, 主持人。

4.广东省自然科学基金 (No.2014A030313313) , 大豆皂甙调控TLR4信号通路关键靶点的发现及其抗慢性炎症机理, 2015.01-2018.01, 10万元, 主持人。

5.广东省医学科学技术研究基金 (No.A2011357) , 基于NF- $\kappa$ B调控的大豆皂甙抗炎性作用构效关系及机制研究, 2011.10-2013.10, 1万元, 主持人。

6.广东省医学科学技术研究基金 (No.B2008104) , 大豆皂甙对促癌剂抑制细胞间隙连接通讯的拮抗作用研究, 2008.01-2009.12, 1万元, 主持人。

成果奖励:

专利/Patents:

代表论文:

1.Xie QY#, Gu XF#, Chen JB#, Liu MS, Xiong F, Wu XL, Zhang YJ, Chen FP, Chen HE, Li MJ, Sun SX, Chu XW, Zha LY\*. Soyasaponins reduce inflammation and improve serum lipid profiles and glucose homeostasis in high fat diet-induced obese mice. *Molecular Nutrition and Food Research*, 2018, 1800205 (DOI: 10.1002/mnfr.201800205). (SCI收录, IF=5.151, 中科院JCR分区I区)

2.Zhang YJ, Chen FP, Chen JD, Huang SQ, Chen JB, Huang J, Li N, Sun SX, Chu XW, Zha LY\*. Soyasaponin Bb inhibits the recruitment of toll-like receptor 4 (TLR4) into lipid rafts and its signaling pathway by suppressing the nicotinamide adenine dinucleotide phosphate (NADPH) oxidase-dependent generation of reactive oxygen species. *Molecular Nutrition and Food Research*, 2016, 60(7): 1532-1543. (SCI收录, IF=5.151, 中科院JCR分区I区)

3.Zhang JT, Yi N, Zha LY, Chen SQ, Li ZJ, Li C, Gong MX, Deng H, Chu XW, Chen JH, Zhang ZQ, Mao LM, Sun SX\*. Sodium butyrate induces endoplasmic reticulum stress and autophagy in colorectal cells: implications for apoptosis. *PLOS ONE*, 2016, 11(1): e0147218. (SCI收录, IF=3.534, 中科院JCR分区III区)

4.Li WL, Zha LY, Li ZQ\*, Huang YS, Zhou YP\*. The expression profile of aquaporin 1 in rat myocardium after severe burns. *Turkish Journal of Medical Sciences*, 2015, 45(3):481-488. (SCI收录, IF=0.45, 中科院JCR分区IV区)

5.Zha LY\*, Chen JD, Sun SX, Mao LM, Chu XW, Deng H, Cai JW, Li XF, Liu ZQ, Cao WH\*. Soyasaponins can blunt inflammation by inhibiting reactive oxygen species (ROS)-mediated activation of PI3K/Akt/ NF- $\kappa$ B pathway. *PLOS ONE*, 2014, 9(9): e107655. (SCI收录, IF=3.534, 中科院JCR分区III区)

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8. Yang XF#, Mei S#, Gu HH, Guo HL, Zha LY, Cai JW, Li XF, Liu ZQ, Cao WH\*. Exposure to excess insulin (glargine) induces type 2 diabetes mellitus in mice fed on a chow diet. *Journal of Endocrinology*, 2014, 221: 469-480. (SCI收录, IF=3.718, 中科院JCR分区III区)

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#### 【主编/副主编教材】

1. 国家级实验教学示范中心教材、全国高等院校规划教材, 食品安全综合实习指导, 北京: 科学出版社, 2013年2月, 参编/秘书 (3.7万字/39.2万字)。

