

基本资料

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教育背景

- 2015.11-2019.04 丹麦哥本哈根大学 (UCPH)
学位: 健康与医学科学博士
研究方向: 蛋白质氧化
导师: Prof. Michael J. Davies
- 2018.05-2018.07 爱尔兰农业部 Teagasc 食品研究中心
访问学者
导师: Dr. Linda Giblin (Senior Scientist)
- 2012.09-2015.06 吉林大学
学位: 工学硕士
专业: 食品科学
研究方向: 营养与功能食品
导师: 刘静波教授
- 2008.09-2012.07 山西师范大学
学位: 理学学士
专业: 食品营养与检验教育

参与科研项目

- 诺和诺德基金, NNF130C0004294, Quantitative oxidative biology of proteins, 2014-2021, 4000 万丹麦克朗, 参与;
- 国家科技支撑计划项目, 2012BAD33B03, 食源性功能肽生物制备技术研究 (食源性功能肽氧化应激抑制活性), 2012.01-2015.12, 731 万, 参与;
- 国家自然科学基金项目, 31271907, 基于 Caco-2 细胞模型的蛋清肽结构与完整吸收关系研究, 2013.01-2016.12, 86 万, 参与。

熟练掌握食品常规理化检验实验技术, 掌握细胞培养、Western-blot、ELISA 和 RT-PCR 等技术; 具有离心机、酶标仪、倒置显微镜、激光共聚焦显微镜、凝胶成像系统、流式细胞仪、液相色谱/质谱联用仪等仪器的操作经验。

参加国际会议

Poster presentation, 04-07 Jun, 2018, 19th Society for Free Radical Research International (SFRI) Biennial Meeting, Lisbon, Portugal. Characterization and quantification of protein oxidative modifications and amino acid racemization in powdered infant milk formula

论文发表情况

发表 SCI 论文 5 篇，国际会议论文 1 篇，在审 SCI 论文 1 篇，具体如下：

已发表论文：

- **Chen, Z.**, Kondrashina A., Greco, I., Gamon, L., Lund, M.N., Giblin L., and Davies, M.J. Effects of Protein-Derived Amino Acid Modification Products Present in Infant Formula on Metabolic Function, Oxidative Stress and Intestinal Permeability Using Cell Models. *Journal of Agricultural and Food Chemistry*, Accepted. (IF=3.412, 一区)
- **Chen Z**, Leinisch F, Greco I, Zhang W, Shu N, Chuang CY, Lund MN, Davies MJ. Characterisation and quantification of protein oxidative modifications and amino acid racemisation in powdered infant milk formula. *Free Radical Research*. 2019 Jan 2;53(1):68-81. (IF=3.038, 三区)
- Liu J, **Chen Z**, He J, Zhang Y, Zhang T, Jiang Y. Anti-oxidative and Anti-apoptosis Effects of Egg White Peptide, Trp-Asn-Trp-Ala-Asp, against H₂O₂-induced Oxidative Stress in Human Embryonic Kidney 293 Cells. *Food & Function*. 2014;5(12):3179-88. (导师外一作, IF=3.289, 一区)
- **Chen Z**, Leinisch F, Greco I, Zhang W, Shu N, Chuang CY, Lund MN, Davies MJ. Characterization and quantification of protein oxidative modifications and amino acid racemization in powdered infant milk formula. *Free Radical Biology and Medicine*. 2018 May 20;120:S47. (国际会议论文, IF=6.020, 二区)
- Liu D, Zhang T, **Chen Z**, Wang Y, Ma S, Liu J, Liu J. The beneficial effect of ginsenosides extracted by pulsed electric field against hydrogen peroxide-induced oxidative stress in HEK-293 cells. *Journal of ginseng research*. 2017 Apr 1;41(2):169-79. (IF=4.053, 二区)
- Lundh M, Bugliani M, Dahlby T, Chou DH, Wagner B, Ghiasi SM, De Tata V, **Chen Z**, Lund MN, Davies MJ, Marchetti P. The immunoproteasome is induced by cytokines and regulates apoptosis in human islets. *Journal of Endocrinology*. 2017 Jun 1;233(3):369-79. (IF=4.012, 二区)

在审论文：

- Linda Giblina, A. Süha Yalçın, Gökhan Biçim, Anna C. Krämer, **Zhifei Chen**, Michael J Callanan, Elena Arranz and Michael J. Davies. Whey proteins: targets of oxidation, or mediators of redox protection. Submitted to *Free Radical Research*, under review.

申请专利

- 刘静波, 陈志飞, 张燕. 大豆肽泡腾片及其制备方法, 专利号: CN201310201762.3 (公开)
- 刘静波, 陈志飞, 张燕, 马爽. 一种槲皮素微胶囊及其制备方法, 专利号: CN201310286046.X (公开)

获得主要奖励

2015.06	吉林大学第二十九届研究生“精英杯”学术成果大奖赛三等奖
2015.05	国家留学基金委 (CSC) 公派攻博奖学金
2011.12	山西师范大学校级优秀学生
2011.11	国家励志奖学金