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教育背景

药理学博士, 密西根大学, 美国。2006

生物化学硕士, 湖北医科大学 (现武汉大学医学院)。1997

临床医学学士, 湖北医科大学 (现武汉大学医学院)。1994

科研经历

2016 年 7 月至今: 上海交通大学医学院附属第九人民医院, 研究员、课题组长、博导、“长江学者”特聘教授 (2017)。

2010 年 10 月—2016 年 6 月: 中科院上海生命科学研究院营养科学研究所, 研究员、课题组长、博导 (中国科学院百人计划择优支持)。

2008 年 7 月—2010 年 10 月: 密西根大学医学院内科学系, 博士后 (美国心脏协会资助)。

2006 年 4 月—2008 年 6 月: 密西根大学医学院生理学系, 博士后。

2000 年 9 月—2006 年 3 月: 密西根大学医学院药理学系, 博士生研究助理。

1997 年 8 月—2000 年 8 月: 首都医科大学生物化学系, 助教。

1994 年 9 月—1997 年 6 月: 湖北医科大学生物化学系, 硕士生研究助理。

教学及临床经历

2004 年 1—5 月: 密西根大学医学院药理学系, 博士生教学助理。

1997 年 8 月—2000 年 8 月: 首都医科大学生物化学系, 助教。

1994 年 9 月—1997 年 6 月: 湖北医科大学生物化学系, 硕士生教学助理。

1993 年 1 月—1994 年 7 月: 湖北医科大学第一附属医院, 医学实习生。

发表文章 (#共同第一作者; *通讯作者)

1. Zhang WC, Du LJ, Zheng XJ, Chen XQ, Shi C, Chen BY, Sun XN, Li C, Zhang YY, Liu Y, Xiao H, Leng Q, Jiang X, Zhang Z, Sun S*, **Duan SZ***. Elevated sodium chloride drives type I interferon signaling in macrophages and increases antiviral resistance. *J Biol Chem*. 2018;293(3):1030-1039.
2. Ai TJ, Sun JY, Du LJ, Shi C, Li C, Sun XN, Liu Y, Li L, Xia Z, Jia L, Liu J*, **Duan SZ***. Inhibition of neddylation by MLN4924 improves neointimal hyperplasia and promotes apoptosis of vascular smooth muscle cells through p53 and p62. *Cell Death Differ*. 2018;25(2):319-329.

3. Wu Y, Dong Y, **Duan S**, Zhu D, Deng L. Metabolic Syndrome, Inflammation, and Cancer. *Mediators Inflamm.* 2017;2017:8259356.
4. Wu Y, Lee S, Bobadilla S, **Duan SZ**, Liu X. High glucose-induced p53 phosphorylation contributes to impairment of endothelial antioxidant system. *Biochim Biophys Acta.* 2017;1863(9):2355-2362.
5. Du L, Qin M, Yi Y, Chen X, Jiang W, Zhou L, Zhang D, Xu K, Yang Y, Li C, Liu Y, Liu X*, **Duan SZ***. Eplerenone Prevents Atrial Fibrosis via the TGF- β Signaling Pathway. *Cardiology.* 2017;138(1):55-62.
6. Li C, Sun XN, Zeng MR, Zheng XJ, Zhang YY, Wan Q, Zhang WC, Shi C, Du LJ, Ai TJ, Liu Y, Liu Y, Du LL, Yi Y, Yu Y, **Duan SZ***. Mineralocorticoid Receptor Deficiency in T Cells Attenuates Pressure Overload-Induced Cardiac Hypertrophy and Dysfunction Through Modulating T-Cell Activation. *Hypertension.* 2017;70(1):137-147.
7. Shan B, Wang X, Wu Y, Xu C, Xia Z, Dai J, Shao M, Zhao F, He S, Yang L, Zhang M, Nan F, Li J, Liu J, Liu J, Jia W, Qiu Y, Song B, Han JJ, Rui L, **Duan SZ***, Liu Y*. The metabolic ER stress sensor IRE1 α suppresses alternative activation of macrophages and impairs energy expenditure in obesity. *Nat Immunol.* 2017;18(5):519-529. (Highlighted by *Nat Immunol.* 2017;18(5):479-480 / *Nat Rev Immunol.* 2017;17(5):277 / *Nat Rev Endocrinol.* 2017;13(6):315 / *Mol Cell.* 2017; 66(6):731-733)
8. Zhang YY, Li C, Yao GF, Du LJ, Liu Y, Zheng XJ, Yan S, Sun JY, Liu Y, Liu MZ, Zhang X, Wei G, Tong W, Chen X, Wu Y, Sun S, Liu S, Ding Q, Yu Y, Yin H, **Duan SZ***. Deletion of Macrophage Mineralocorticoid Receptor Protects Hepatic Steatosis and Insulin Resistance through ER α /HGF/MET Pathway. *Diabetes.* 2017;66(6):1535-1547.
9. Sun XN, Li C, Liu Y, Du LJ, Zeng MR, Zheng XJ, Zhang WC, Liu Y, Zhu M, Kong D, Zhou L, Lu L, Shen ZX, Yi Y, Du L, Qin M, Liu X, Hua Z, Sun S, Yin H, Zhou B, Yu Y, Zhang Z, **Duan SZ***. T-Cell Mineralocorticoid Receptor Controls Blood Pressure by Regulating Interferon-Gamma. *Circ Res.* 2017;120(10):1584-1597. (Editorial in *Circ Res.* 2017; 120:1527-1529.)
10. Yan S, Tang J, Zhang Y, Wang Y, Zuo S, Shen Y, Zhang Q, Chen D, Yu Y, Wang K, **Duan SZ***, Yu Y*. Prostaglandin E₂ promotes hepatic bile acid synthesis by an E prostanoid receptor 3-mediated hepatocyte nuclear receptor 4 α /cholesterol 7 α -hydroxylase pathway in mice. *Hepatology.* 2017;65(3):999-1014.
11. Shen ZX, Chen XQ, Sun XN, Sun JY, Zhang WC, Zheng XJ, Zhang YY, Shi HJ, Zhang JW, Li C, Wang J, Liu X, **Duan SZ***. Mineralocorticoid Receptor Deficiency in Macrophages Inhibits Atherosclerosis by Affecting Foam Cell Formation and Efferocytosis. *J Biol Chem.* 2017;292(3):925-935.
12. O'Donnell PE, Ye XZ, DeChellis MA, Davis VM, **Duan SZ**, Mortensen RM, Milstone DS. Lipodystrophy, Diabetes and Normal Serum Insulin in PPAR γ -Deficient Neonatal Mice. *PLoS One.* 2016;11(8):e0160636.
13. Yu M, Jiang M, Chen Y, Zhang S, Zhang W, Yang X, Li X, Li Y, **Duan S**, Han J, Duan Y. Inhibition of Macrophage CD36 Expression and Cellular Oxidized Low Density Lipoprotein (oxLDL) Accumulation by Tamoxifen: A PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR (PPAR) γ -DEPENDENT MECHANISM. *J Biol Chem.* 2016; 291(33): 16977-89.
14. Chen X, Zhang W, Wang Q, Du L, Yi Y, Liu Y, Liu X*, **Duan S***. Eplerenone inhibits atrial fibrosis in mutant TGF- β 1 transgenic mice. *Sci China Life Sci.* 2016;59(10):1042-1047.
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 33. Shen Z, Li C, Frieler RA, Gerasimova AS, Lee SJ, Wu J, Wang MM, Lumeng CN, Brosius FC 3rd, **Duan SZ***, Mortensen RM*. Smooth muscle protein 22 alpha-Cre is expressed in myeloid cells in mice. *Biochem Biophys Res Commun*. 2012; 422(4): 639-42.
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 38. Usher MG[#], **Duan SZ^{#,*}**, Ivashchenko CY, Frieler RA, Berger S, Schütz G, Lumeng C, Mortensen RM*. Myeloid mineralocorticoid receptor controls macrophage polarization and cardiovascular hypertrophy and remodeling in mice. *J Clin Invest*. 2010; 120(9): 3350-3364. (#Co-first author)
 39. **Duan SZ**, Usher MG, Foley EL 4th, Milstone DS, Brosius FC 3rd, Mortensen RM. Sex dimorphic actions of rosiglitazone in generalised peroxisome proliferator-activated receptor-gamma (PPAR-gamma)-deficient mice. *Diabetologia*. 2010; 53(7): 1493-505.
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受邀评审与编辑经历

1. The FASEB Journal, 2018
2. Guest Editor, Mediators of Inflammation Special Issue, 2017
3. European Research Council, 2016
4. NSFC Grants review, 2013-2017
5. ChinaPostDoctor Grants review, 2013, 2017
6. Sci Rep, 2014, 2015
7. Frontiers in pharmacology, 2013
8. Circulation, 2007, 2012
9. Acta Pharmacologica Sinica, 2012
10. The Journal of Clinical Endocrinology & Metabolism, 2011, 2012
11. Circulation Journal, 2010
12. Acta Biochimica et Biophysica Sinica. 2010
13. Atherosclerosis, 2009, 2010
14. European Journal of Human Genetics, 2009
15. PPAR Res, 2009

课题与奖励

1. 国家杰出青年科学基金 (81725003), 2018-2022
2. 国家自然科学基金重大研究计划集成项目 (91739303, 骨干), 2018-2020
3. 国家自然科学基金面上项目 (31671181), 2017-2020
4. 上海市科委动物专项 (15140904400), 2015-2017
5. 国家自然科学基金面上项目 (31371153), 2014-2017
6. 国家自然科学基金重大研究计划培育项目 (91339110), 2014-2016
7. 中国科学院知识创新工程项目群 (KSCX2-EW-R-08, 骨干), 2013-2014
8. 中国科学院百人计划 (2012OHTP06), 2012-2015
9. 国家自然科学基金面上项目 (31171133), 2012-2015
10. 中国科技部973子课题 (2012CB524900, 骨干), 2012-2016
11. 徐汇区中心医院临床研究项目 (CRC2011003), 2011-2013
12. 美国心脏协会博士后课题奖, 2008-2010
13. 密西根大学Thomas Baum Travel 奖, 2004