

PeiShan Li (李培山)

Personal:

Gender: Male

Date of Birth: Jul 29, 1984

Address: The Jackson Laboratory, 600 Main Street, Bar Harbor, ME
04609

Phone: 86-18678824561

E-mail: Peishan.Li@jax.org, lipeishan@sdu.edu.cn



Work Experience:

07, 2017 – present: Postdoctoral Associate, Dr. Guangwen Ren lab, The Jackson Laboratory, Bar Harbor, Maine, USA

03, 2014 – 06, 2017: Lecturer, The Institute of Medical Genetics, School of Medicine, Shandong University, Jinan, China

Education:

09, 2007–12, 2013 Ph.D., Institute of Biochemistry and Cell Biology, Chinese Academy of Sciences, Shanghai, China. Major in Biochemistry and Molecular Biology

09, 2003 – 07, 2007 Bachelor of Engineering (B.E.), College of Life Science, Shandong University, Jinan, Shandong, China

Research Experience:

2014 – 2017: Research Associate, with Dr. Yao-Qin Gong, Shandong University School of Medicine, Shandong, China

- 1) Studying the mechanism and function of CUL4B in adipogenesis and type 2 diabetes
- 2) Dissecting the role of CUL4B in macrophage polarization and T-cell differentiation

2007 – 2013: Ph.D. thesis with Dr. Bao-liang Song at Institute of Biochemistry and Cell Biology, Chinese Academy of Sciences, Shanghai, China

- 1) Screening for proteins involved in sterol-stimulated NPC1L1 internalization
- 2) Uncovering the mechanisms of NPC1L1-Numb mediated cholesterol absorption

Awards:

2010 Young Scientist Award by the 17th East Asia Joint and 9th Cross-Strait Symposium on Biomedical Research

2013 National scholarship for doctoral students

2014 Chinese Academy of Sciences Dean Awarding

2014 Excellent graduate, Chinese Academy of Sciences

2015 Excellent doctor degree dissertation, Chinese Academy of Sciences

2015 the Young Scholars Program of Shandong University

Grants:

1. National Natural Science Foundation of China (No. 81400841) 01, 2015 - 12, 2017
2. China Postdoctoral Science Foundation (2014M561918)
3. Shandong Province Natural Science Foundation 12, 2014 – 12, 2017

Publications:

1. **Pei-shan Li**, Yu Song, Wen-ying Zan, Li-ping Qin, Shuang Han, Bai-chun Jiang, Hao Dou, Chang-shun Shao and Yao-qin Gong* (2017). Lack of CUL4B in Adipocytes Promotes PPAR γ -Mediated Adipose Tissue Expansion and Insulin Sensitivity. *Diabetes* 66, 300-313
2. **Pei-Shan Li**, Zhen-Yan Fu, Ying-Yu Zhang, Jin-Hui Zhang, Chen-Qi Xu, Yi-Tong Ma, Bo-Liang Li and Bao-Liang Song* (2014). The clathrin adaptor Numb regulates intestinal cholesterol absorption through dynamic interaction with NPC1L1. *Nature Medicine* 20, 80–86
3. Jian Wei[#], Zhen-Yan Fu[#], **Pei-Shan Li**[#], Hong-Hua Miao, Bo-Liang Li, Yi-Tong Ma, Bao-Liang Song* (2014). The Clathrin Adaptor Proteins ARH, Dab2, and Numb Play Distinct Roles in Niemann-Pick C1-Like 1 Versus Low Density Lipoprotein Receptor-mediated Cholesterol Uptake. *The Journal of Biological Chemistry* 289, 33689-700 ([#] Co-first author)
4. Jin-Feng Su, Jian Wei, **Pei-Shan Li**, Hong-Hua Miao, Yong-Chao Ma, Yu-Xiu Qu, Jie Xu, Jie Qin, Bo-Liang Li, Bao-Liang Song, Zheng-Ping Xu*, Jie Luo* (2016) Numb directs the subcellular localization of EAAT3 through binding the YxNxxF motif. *Journal of Cell Science* 129: 3104-3114
5. Qing-hua Yuan, Zhen-yan Fu, Jian Wei, **Pei-Shan Li**, Hong-Hua Miao, Yu-Xiu Qu, Jie Xu, Jie Qin, Bo-Liang Li, Bao-Liang Song, Yi-tong Ma* (2016) Identification and characterization of NPC1L1 variants in Uygur and Kazakh with extreme low-density lipoprotein cholesterol. *Biochemical and Biophysical Research Communications* 479, 628–635
6. Tong-Fei Liu, Jing-Jie Tang, **Pei-Shan Li**, Yang Shen, Jia-Gui Li, Hong-Hua Miao, Bo-Liang Li and Bao-Liang Song* (2012). Ablation of gp78 in liver improves hyperlipidemia and insulin resistance by inhibiting SREBP to decrease lipid biosynthesis. *Cell Metabolism* 16, 213–225
7. Jing-Jie Tang, Jia-Gui Li, Wei Qi, Wen-Wei Qiu, **Pei-Shan Li**, Bo-Liang Li and Bao-Liang Song* (2011). Inhibition of SREBP by a small molecule Betulin improves hyperlipidemia, insulin resistance and reduces atherosclerotic plaques. *Cell Metabolism* 13, 44–56