

Curriculum Vitae

Ge Li

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EDUCATION

M.A. in Medical Sciences, 2013
University of Alberta, Edmonton, Canada

B.S. in Chemistry, July 2007
Liaoning University, Shenyang, China.

RESEARCH EXPERIENCE

Research Technician II, Nov. 2013 – Present
Stowers Institute for Medical Research
Mentor: **Susan Abmayr**, Ph.D, **Jerry Workman**, Ph.D.

Graduate Research Assistant, July 2010 – June 2013
Group on Molecular and Cell Biology of Lipids, Department of Paediatrics, University of Alberta
Mentor: **Dawei Zhang**, Ph.D.
Research focus: Investigation of cholesterol homeostasis in macrophages.

Research Assistant, Oct 2007- Aug 2009
Institute of Health Sciences, Shanghai Institutes for Biological Sciences, Chinese Academy of Science
Mentor: **Qing Jing**, Professor/ M.D., Ph.D.
Research focus: Identification of chromatin genes important for regulating planarian regeneration.

PUBLICATIONS

Research Articles

1. Faqi Wang, **Ge Li**, Hong-mei Gu, and Da-wei Zhang. Characterization of the Role of a Highly Conserved Sequence in ATP Binding Cassette Transporter G (ABCG) Family in ABCG1 Stability, Oligomerization, and Trafficking. *Biochemistry*, 2013, 52 (52), pp 9497–9509

2. An Zeng, Yong-Qin Li, Chen Wang, Xiao-Shuai Han, **Ge Li**, Jiang-Yong Wang, Dang-Sheng Li, Yon-Wen Qin, Yufang Shi, Gary Brewer, Qing Jing. Heterochromatin protein 1 promotes self-renewal and triggers regenerative proliferation in adult stem cells. (2013) *Journal of Cell Biology*, 2013;201(3):409-25.

3. Hong-Mei Gu, **Ge Li**, Xia Gao, Luc G. Berthiaume, Da-Wei Zhang. Characterization of palmitoylation of ATP binding cassette transporter G1: Effect on protein trafficking and function. (2013) *Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids*. 1831(6):1067-78

4. Xia Gao, Hong-Mei Gu, **Ge Li**, Kerry-Anne Rye, Da-Wei Zhang. Identification of an amino acid residue in ATP-binding cassette transport G1 critical for mediating cholesterol efflux. (2012) *Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids*. 1821(3): 552-9

5. Yong-Qin Li, An Zeng, Xiao-Shuai Han, Chen Wang, **Ge Li**, Zhen-Chao Zhang, Jian-Yong Wang, Yong-Wen Qin, and Qing Jing. Argonaute-2 regulates the proliferation of adult stem cells in planarian. (2011) *Cell Research*. 21 (12): 1750-1754.

Critical Review

Ge Li, Hong-Mei Gu, Da-Wei Zhang. ATP-binding Cassette transporters and cholesterol translocation. (2013) *IUBMB Life*. 65(6)505-512.

Poster Presentations

Identification of a conserved sequence in ATP binding cassette transporter G1 regulating protein trafficking. (*Frontiers in Lipid Biology and 2012 Canadian lipoprotein conference*, Banff, Alberta, Canada. Sep 2012.)

A conserved sequence in ABCG transporter family plays an important role in ABCG1 function. (*Canadian Lipoprotein Conference*, Halifax, Nova Scotia, Canada. Nov 2011.)

HONORS & AWARDS

2010 "Graduate Research Assistantship" University of Alberta, Canada

2007 "Honored Graduate" Liaoning University, China

2004, 2005, 2006, 2007 "Honors Award for Academic Excellence" Liaoning University, China

ACTIVITY IN PROFESSIONAL SOCIETIES

2011-2012 Committee member of Group on Molecular and Cell Biology of Lipids