



NAME  
李 繼 源  
Li, Chi-Yuan

POSITION TITLE  
Professor

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
National Defense Medical College, Taipei	MD	1984	Medicine
National Defense Medical College, Taipei	MS	1987	Neuroscience
Massachusetts General Hospital, Harvard Medical School	Research Fellow	1994-1995	Pediatric Anesthesia

**CURRENT POSITIONS**

Professor, Institute of Clinical Medical Science, China Medical University Medical College, Taichung, Taiwan  
Professor, Department of Anesthesia, Pain Service and Critical Care Medicine, China Medical University and Hospital, Taichung, Taiwan  
Vice chairman, Department of Education, China Medical University and Hospital, Taichung, Taiwan

**RESEARCH INTEREST**

Neuroscience  
Inflammation research  
Critical Care and Emergency Medicine  
Anesthesiology

**EDITORIAL BOARD**

Journal of Medical Sciences: Associate Editors  
ACTA Anesthesiologica Taiwanica: Associate Editors

**REVIEWER**

ACTA Anesthesiologica Taiwanica  
European Journal of Pharmacology, 2007  
Coronary Artery Disease, 2008

**PEER-REVIEWED PUBLICATIONS**

- Li CY\*, Chou TC, Lee CH, Tsai CS, Loh SH, Wong CS. Adrenaline inhibits lipopolysaccharide-induced macrophage inflammatory protein-1 alpha in human monocytes: the role of beta-adrenergic receptors. *Anesth Analg* 2003;96:518-23, table of contents.
- Li CY\*, Tsai CS, Chueh SH, Hsu PC, Wang JY, Wong CS, Ho ST. Dobutamine inhibits monocyte chemoattractant protein-1 production and chemotaxis in human monocytes. *Anesth Analg* 2003;97:205-9, table of contents.
- Li CY\*, Tsai CS, Hsu PC, Chueh SH, Wong CS, Ho ST. Lidocaine attenuates monocyte chemoattractant protein-1 production and chemotaxis in human monocytes: possible mechanisms for its effect on inflammation. *Anesth Analg* 2003;97:1312-6.
- Li CY\*, Tsai CS, Hsu PC, Wu CT, Wong CS, Ho ST. Dobutamine modulates lipopolysaccharide-induced macrophage inflammatory protein-1alpha and interleukin-8 production in human monocytes. *Anesth Analg* 2003;97:210-5, table of contents.
- Chung CM, Li CY, Wong CS, Chen FC. Pulmonary edema secondary to the airway obstruction in a patient with parkinson's disease. *Acta Anaesthesiol Taiwan* 2004;42:171-3.
- Huang GS, Li CY\*, Hsu PC, Tsai CS, Lin TC, Wong CS. Sevoflurane anesthesia attenuates adenosine diphosphate-induced P-selectin expression and platelet-leukocyte conjugate formation. *Anesth Analg* 2004;99:1121-6, table of contents.
- Lin SL, Chao PC, Yeh CC, Li CY, Ho ST, Jao SW, Wong CS. Oral slow release dextromethorphan premedication provides a pethidine spare effect on posthemorrhoidectomy pain management. *Acta Anaesthesiol Taiwan* 2004;42:87-91.

8. Tsao CM, Ho ST, Chen A, Wang JJ, Li CY, Tsai SK, Wu CC. Low-dose dexamethasone ameliorates circulatory failure and renal dysfunction in conscious rats with endotoxemia. *Shock* 2004;21:484-91.
9. Wu CT, Jao SW, Borel CO, Yeh CC, Li CY, Lu CH, Wong CS. The effect of epidural clonidine on perioperative cytokine response, postoperative pain, and bowel function in patients undergoing colorectal surgery. *Anesth Analg* 2004;99:502-9.
10. Hung CH, Li CY, Lai YS, Hsu PC, Hua YM, Yang KD. Discrepant clinical responses and blood chemokine profiles between two non-steroidal anti-inflammatory medications for children with mild persistent asthma. *Pediatr Allergy Immunol* 2005;16:306-9.
11. Lin TC, Li CY\*, Tsai CS, Ku CH, Wu CT, Wong CS, Ho ST. Neutrophil-mediated secretion and activation of matrix metalloproteinase-9 during cardiac surgery with cardiopulmonary bypass. *Anesth Analg* 2005;100:1554-60.
12. Hung CH, Li CY, Hua YM, Chen CJ, Yang KD, Jong YJ. Effects of leukotriene receptor antagonists on monocyte chemotaxis, p38 and cytoplasmic calcium. *Pediatr Allergy Immunol* 2006;17:250-8.
13. Ke YC, Ho ST, Yi HD, Li CY, Wang JJ, Lin CY, Lu CC. Closed-circuit anesthesia preserves skin blood flow during surgery. *Acta Anaesthesiol Taiwan* 2006;44:25-30.
14. Lin FY, Chen YH, Lin YW, Tsai JS, Chen JW, Wang HJ, Chen YL, Li CY\*, Lin SJ. The role of human antigen R, an RNA-binding protein, in mediating the stabilization of toll-like receptor 4 mRNA induced by endotoxin: a novel mechanism involved in vascular inflammation. *Arterioscler Thromb Vasc Biol* 2006;26:2622-9.
15. Lin FY, Chen YH, Tasi JS, Chen JW, Yang TL, Wang HJ, Li CY\*, Chen YL, Lin SJ. Endotoxin induces toll-like receptor 4 expression in vascular smooth muscle cells via NADPH oxidase activation and mitogen-activated protein kinase signaling pathways. *Arterioscler Thromb Vasc Biol* 2006;26:2630-7.
16. Wen HC, Tang CH, Lin HC, Tsai CS, Chen CS, Li CY. Association between surgeon and hospital volume in coronary artery bypass graft surgery outcomes: a population-based study. *Ann Thorac Surg* 2006;81:835-42.
17. Lin FY, Chen YH, Chen YL, Wu TC, Li CY\*, Chen JW, Lin SJ. Ginkgo biloba extract inhibits endotoxin-induced human aortic smooth muscle cell proliferation via suppression of toll-like receptor 4 expression and NADPH oxidase activation. *J Agric Food Chem* 2007;55:1977-84.
18. Tsai CS, Lin FY, Chen YH, Yang TL, Wang HJ, Huang GS, Lin CY, Tsai YT, Lin SJ, Li CY\*. Cilostazol attenuates MCP-1 and MMP-9 expression in vivo in LPS-administrated balloon-injured rabbit aorta and in vitro in LPS-treated monocytic THP-1 cells. *J Cell Biochem* 2008; 103(1):54-66.

#### **RECENT RESEARCH SUPPORT**

1. NSC-95-2314-B-303-025-MY2, PI, 2006/8/1 - 2008/7/31, National Science Council, Taiwan  
Toll-Like Receptor 4 expression during Cardiopulmonary Bypass
2. NSC-97-2314-B-039-043-MY3, PI, 2008/8/1- 2011/7/31, National Science Council, Taiwan  
The Regulation of Toll-like Receptor 4 : Roles of Eotaxin-2 and Gallic Acid