

Curriculum vitae

LARRY LIANGJI ZHOU, M.D.
Board Certified in Anesthesiology
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Procedures trained in during pain fellowship include but is not limited to the following:

- Epidural nerve blocks
- Trigger point injections
- SpineCATH IDET
- Radio frequency treatment
- Fluoroscopy guided selective nerve blocks
- Facet joint/dorsal median branch blocks
- Intrathecal morphine pump placement
- Spinal cord stimulator placement

Postdoctoral Training:

Clinical Fellowship:

1999-2000 Pain Management,
University of Texas M.D. Anderson Cancer Center
Houston, TX

Residency:

1995-1999 Residency, Department of Anesthesiology,
Baylor College of Medicine
Houston, TX

Research Fellowship:

1989-1992 Research Fellow, Division of Tumor Immunology,
Dana-Farber Cancer Institute,
Harvard Medical School, Boston, MA

Professional Experiences:

1994-1995 Research Assistant Professor, Department of Immunology,
Duke University Medical Center, Durham, NC

1992-1993 Instructor in Medicine, Department of Medicine

Harvard Medical School, Boston, MA

1992-1993 Subcommittee Chairman of Pan B cell molecule CD19,
The Fifth International Workshop of Leukocyte
Differentiation Antigen

Education:

1988 MS Endocrinology
Graduate School of Peking Union Medical College
Chinese Academy of Medical Sciences
Beijing, China

1985 MD Hunan Medical College, China

Bibliography

Original Reports:

1. David C. Ord, Timothy J. Ernst, **Liang-Ji Zhou**, Alessandro Rambaldi, Oliver Spertini, James Griffin, and Thomas F. Tedder. Structure of the gene encoding the human leukocyte adhesion molecule-1 of lymphocytes and neutrophils. *J Biol Chem* 1990 265:7760
2. **Liang-Ji Zhou**, David C. Ord, Austin L. Hughes and Thomas F. Tedder. Structure and domain organization of the CD19 antigen of human, mouse, and guinea pig B lymphocytes: Conservation of the extensive cytoplasmic domain. *J Immunol* 1991 147:1424
3. Gordon J. Freeman, Gary S. Gray, Claude D. Gimmi, David Lombard, **Liang-Ji Zhou**, Michael White, Joyce D. Fingerth, John G. Gribben, and Lee M. Nadler. Structure, expression, and T cell costimulatory activity of the murine homologue of the human B lymphocyte activation antigen B7. *J Exp Med* 1991 174:625
4. L. Castano, E. Russo, **L. Zhou**, M. A. Lipes, and G. S. Eisenbarth. Identification and cloning of a granule autoantigen(Carboxypeptidase-H) associated with Type I diabetes. *J Clin Endo Metab* 1991 73:1197
5. **Liang-Ji Zhou**, David C. Ord, Sidne A. Omori, and Thomas F. Tedder. Structure of the genes encoding the CD19 differentiation antigen of human and mouse B lymphocytes. *Immunogenetics* 1992 35:102
6. Bert J. E.G. Bast, **Liang-Ji Zhou**, Gordon J. Freeman, Karen J. Colley, Timothy J. Ernst, J. Michael Munro, and Thomas F. Tedder. The HB-6, CDw75, and CD76 differentiation antigens are unique cell-surface carbohydrate determinants generated by b-Galactoside a2,6-Sialyltransferase. *J Cel Biol* 1992 116:423

7. **Liang-Ji Zhou**, Roland Schwarting, Heidi M. Smith, and Thomas F. Tedder. A novel cell-surface molecule expressed exclusively by human interdigitating reticulum cells, Langerhans cells and activated lymphocytes is a new member of the immunoglobulin superfamily. *J Immunol* 1992 149:735
8. James Buben, **Liang-Ji Zhou**, Thomas F. Tedder. Transfection of the CD20 cell surface molecule into ectopic cell types generated a calcium conductance found constitutively in B lymphocytes. *J Cell Biol* 1993 121:1121
9. Pablo Engel, Yoshihisa Nojima, David Rothstein, **Liang-Ji Zhou**, Gaye Lynn Wilson, John H. Kehrl and Thomas F. Tedder. The same epitope on CD22 of B lymphocytes mediates the adhesion of erythrocytes, T and B lymphocytes, neutrophils and monocytes. *J Immunol* 1993 150:4719
10. **Liang-Ji Zhou**, Heidi Smith, Roland Schwarting, Thomas Walschmidt, and Thomas F. Tedder. Tissue-specific expression of human CD19 transgene severely inhibits murine B cell development. *Mol Cell Biol* 1994 14:3884
11. D.C.Ord, S.Edelhoff, H.Dushkin, **L.-J. Zhou**, D.R.Beier, C.Diseche, and T. F. Tedder. CD19 maps to a region of conservation between human chromosome 16 and mouse chromosome 7. *Immunogenetics* 1993 :322
12. Thomas F. Tedder, **Liang-Ji Zhou** and Pablo Engle. The CD19/CD21 signal transduction complex of B lymphocytes. *Immunol Today* 1994 15: 437
13. P. Engle, J. G. Gribben, G. D. Freeman, **L.-J. Zhou**, Y. Nozawa, M. Abe, L. M. Nadler, H. Wakasa and T. F. Tedder. The B7-2(B70) costimulatory molecule expressed by monocytes and activated B lymphocytes is the CD86 differentiation antigen. *Blood* 1994 84:1402
14. Drew Weissman, Yuexia Li, Jintanat Ananworanich, **Liang-Ji Zhou**, Joseph Adelsberger, Thomas F. Tedder, Michael Baseler, and Anthony Fauci. Three populations of cells with dendritic cell morphology exist in peripheral blood, only one of which is infected with human immunodeficiency virus type 1. *Proc Natl Acad Sci USA* 1995 92:826
15. **Liang-Ji Zhou** and Thomas F. Tedder. The molecular basis for potent antigen presenting function of human blood dendritic cells that selectively express CD83, a member of the immunoglobulin superfamily. *J Immunol* 1995 154:3821

16. **Liang-Ji Zhou**. and Thomas F. Tedder. B cell development and function in transgenic mice expressing the human CD19 transgene, in Schlossman SF, Boumsell L, Gilks W, Harlan JM, Kishimoto C, Ritz J, Shaw S, Silverstein R, Springer T, Tedder TF, Todd RF (eds): *Leukocyte Typing V, white cell Differentiation Antigens, vol. 1, 1995, Oxford Press, London, p510*
17. **Liang-Ji Zhou** and Thomas F. Tedder. HB15, a specific marker for human blood dendritic cells. in Schlossman SF, Boumsell L, Gilks W, Harlan JM, Kishimoto C, Ritz J, Shaw S, Silverstein R, Springer T, Tedder TF, Todd RF (eds): *Leukocyte Typing V, white cell Differentiation Antigens, vol. 1, 1995, Oxford Press, London, p695*
18. **Liang-Ji Zhou** and Thomas F. Tedder. CD19 workshop panel report, in Schlossman SF, Boumsell L, Gilks W, Harlan JM, Kishimoto C, Ritz J, Shaw S, Silverstein R, Springer T, Tedder TF, Todd RF (eds): *Leukocyte Typing V, white cell Differentiation Antigens, vol. 1, 1995, Oxford Press, London, p507*
19. **Liang-Ji Zhou** and Thomas F. Tedder. CD20 workshop panel report. in Schlossman SF, Boumsell L, Gilks W, Harlan JM, Kishimoto C, Ritz J, Shaw S, Silverstein R, Springer T, Tedder TF, Todd RF (eds): *Leukocyte Typing V, white cell Differentiation Antigens, vol. 1, 1995, Oxford Press, London, p511*
20. Pablo P., **Zhou L.-J.**, Ord D. C., Sato S., Koller B., and T. F. Tedder. Abnormal B lymphocyte development, activation and differentiation in mice that lack or overexpress the CD19 signal transduction molecule. *Immunity 1995 3:39*
21. **Liang-Ji Zhou** and Thomas F. Tedder. A distinct pattern of cytokine gene expression by human CD83+ blood dendritic cells. *Blood 1995 10:3295*
22. Huang MJ, Osborn L, Saahn J, Schiffer SB, Eliseo L, **Zhou, I-J**, Rhyndamin CD, Freedman AS. Expression of Vascular cell adhesion molecule-1 by follicular dendritic cells. *Leukemia & Lymphoma 1995 18:259*
23. **Liang-Ji Zhou** and Thomas F. Tedder. CD83+ dendritic cells can differentiate from CD14+ monocytes in the presence of GM-CSF and IL4. *Proc Natl Acad Sci USA 1996 88:*

Abstracts

1. M. A. Lipes, R. O. Fenton, **L.-J. Zhou**, J. G. Seidman, G. S. Eisenbarth. Autoimmunity occurs in transgenic T cell receptor(Tcr) beta gene non-obese diabetes(NOD) mice. *Clin Res 1989 37:572A*

2. Thomas F. Tedder, **Liang-Ji Zhou**, P. Darwin Bell, and James K. Buben.
The CD20 surface molecule of B lymphocytes functions as a calcium channel. *J Cell Biol* 1990 *Suppl* 14D, M023
3. **Liang-Ji Zhou**, D. C. Ord and T. F. Tedder. CD19 of human, mouse, and guinea pig B cells: Conservation of the extensive cytoplasmic domain. 1991 *FASEBS*:A611
4. Laura E. Bradbury, **Liang-Ji Zhou**, Shoshana Levy, Robert L. Evans, and Thomas F. Tedder. Multimeric CD19-cell surface protein complexes regulate B cell function. *J Cell Biochem* 1993 *Abstract suppl* 1 7B, F007
5. **L.-J. Zhou**, H. Smith and T. F. Tedder. Expression of the human CD19 gene in transgenic mice alters B lymphocyte development. *J Immunol* 1993 150:14A, 64
6. **Liang-Ji Zhou** and Thomas F. Tedder. Phenotypical and functional properties of human blood dendritic cells that express CD83. *J Cell Biol* 1995 *Suppl* 21A, C337