

Curriculum Vitae

NAME: Gongyi Zhang

PROFESSIONAL ADDRESS:

National Jewish Medical and Research Center
1400 Jackson St., Room K405
Denver, CO 80206
Tel: (303) 398-1715
Fax: (303) 398-1396
e-mail: zhangg@njc.org

EDUCATION:

June 1988: **Bachelor of Engineering;** Dalian Maritime University, Dalian, P. R. China.
June 1990: **M.S.** (equivalent) in Protein Crystallography, University of Science and Technology of China, Hefei, P. R. of China.
Sept. 1993: **Ph.D.** in Protein Crystallography; Institute of Biophysics, Academic Sinica, Beijing, P. R. of China

RESEARCH EXPERIENCE:

2004-pre: **Associate Professor**, Department of Immunology, National Jewish Medical and Research Center.
1999-2004: **Assistant Professor**, Department of Immunology, National Jewish Medical and Research Center.
1999-pre: **Assistant Professor**, Department s of Pharmacology and Immunology, School of Medicine, University of Colorado Health Science Center.
1997-1999: **Postdoctoral Fellow**, Lab of Dr. Seth A. Darst, The Rockefeller University.
1993-1996: **Visiting Fellow**, Lab of Dr. James H. Hurley, NIDDK, NIH.
1990-1993: **Graduate Fellow**, Lab of Dr. Dongcai Liang, Institute of Biophysics, Academic Sinica, P. R. of China.
1988-1990: **Graduate Fellow**, Lab of Dr. Liwen Niu and Dr. Dongcai Liang, University of Science and Technology of China, P. R. of China.

Honors and Awards:

Special Award for excellent College Student, Dalian Marine University, P. R. China (1986)
Zhongzhi Zhang's excellent experimental award, USTC, P. R. China (1990)
Visiting Fellowship from NIDDK, NIH (1993-1996)
Golden Crystal Award, 1st place, Molecular Structure Cooperation (1997)
Fellowship from National Institute of General Medical Science (1998-2000)
PEW Scholar Award (2001-2005)
Outstanding Junior Faculty Award, National Jewish Medical and Research Center (2001)
Travel award recipient of the Arthritis National Research Foundation (2002)

Publication:

1. **Gongyi Zhang**, Liwen Niu, Cai Tao, Wenzhi Huang, Chuang Wang, and Dongcai Liang. (1990) Crystal Growth and Preliminary X-ray Analysis of Glucose Isomerase from *Streptomyces M1033*. **Kexue Tongbao**, Vol. 36, 7, 1991 (China).
2. Zuli Wan, **Gongyi Zhang**, Wenrui Chang, and Dongcai Liang. (1995) X-ray studies on the structure of A1-(L-ALA)-Insulin at 1.9 Angstrom Resolution. **Biochemistry Journal in China** 1: 40-43. (China).

3. **Gongyi Zhang**, Marcelo G. Kzanietz, Peter M. Blumberg, and James H. Hurley. (1995) Crystal Structure of Cys2 Activator-Binding Domain of Protein Kinase C Delta in Complex with Phorbol Ester. *Cell*, Vol. 81, 917-924.
4. James Endrizzi, **Gongyi Zhang**, Wenfong Chen, Roberta F. Colman, and James H. Hurley. (1996) Crystallization and Preliminary Diffraction Analysis of Porcine Heart Mitochondria NADP-Dependent Isocitrate Dehydrogenase. *Acta Cryst.* D52, 1024-1026.
5. **Gongyi Zhang**, Yu Liu, Jun Qin, Binh Vo, Wei-jen Tang, Arnold E. Ruoho, James H. Hurley. (1997) Characterization and Crystallization of a Minimal Catalytic Core Domain from Mammalian Type II Adenylyl Cyclase. *Protein Sciences*, 6: 903-908.
6. **Gongyi Zhang**, Yu Liu, Arnold E. Ruoho, and James H. Hurley. (1997) Structure of the Adenylyl Cyclase Catalytic Core. *Nature*, Vol. 386, 247-253. (article)
7. S. H. Bryant, T. Madej, J. Janin, Y. Liu, A. E. Ruoho, **Gongyi Zhang**, and James H. Hurley. (1997) A Polymerase I Palm in Adenylyl Cyclase? *Nature*, Vol. 388, 34-34.
8. **Gongyi Zhang**, Seth A. Darst. (1998) Structure of the E. Coli RNA polymerase alpha subunit N-terminal domain. *Science*, Vol 281, 262-266.
9. S. A. Darst, A. Polyakov, C. Richter, and **Gongyi Zhang**. (1998) Insights into E. coli RNA Polymerase Structure from a Combination of X-ray and Electron Crystallography. *Journal of Structural Biology*, 124, 115-122.
10. S. A. Darst, A. Polyakov, C. Richter, and **Gongyi Zhang**. (1998) Structural Studies of E. coli RNA polymerase. *Cold Spring Harbor Symposia on Quantitative Biology*, Volume LXIII.
11. **Gongyi Zhang**, Elizabeth Campbell, Leonid Minakhin, Catherine Richter, Konstantin Severinov, and Seth A. Darst. (1999) Crystal Structure of Thermus aquaticus core RNA polymerase at 3.3 angstrom resolution. *Cell*, 98, 811-824. (featured as cover).
12. Yingfang Liu, Adhar Manna, Ronggui Li, Ambrose L. Cheung, **Gongyi Zhang**. (2001). Crystal structure of the repressor protein SarR from S. aureus. *Proc Natl Acad Sci U S A*. 98 (12): 6877-6882.
13. Ambrose L. Cheung and **Gongyi Zhang**. (2001) Do SarA and SarR possess similar structures? *Trends in Microbiology*. 9 (12):570-573.
- 14 Darst SA, Opalka N, Chacon P, Polyakov A, Richter C, **Zhang G**, Wriggers W. (2002). Conformational flexibility of bacterial RNA polymerase. *Proc Natl Acad Sci U S A*. 99(7):4296-301.
15. Yingfang Liu, Lianggu Xu, Hong-Bing Shu, and **Gongyi Zhang**. (2002). Crystal structure of sTALL-1 reveals a virus-like structure of TNF family ligand. *Cell*, 108, 383-394.
16. Ambrose L Cheung and **Gongyi Zhang**. (2002). Global Regulation of Virulence Determinants in Staphylococcus Aureus by the SarA Protein Family. *Frontier in Bioscience* 7, d1825-1842.
17. Mikael Sigvardsson, Dawn R. Clark, Daniel Fitzsimmons, Michelle Doyle, Peter Akerblad, Thomas Breslin, Sven Bilke, Ronggui Li, Carmen yeamans, **Gongyi Zhang**, and James Hagman. (2002). Early B cell factor and E2A proteins cooperate to activate the early B cell-specific mb-1 promoter. *Molecular and Cellular Biology*, 22, 8539-8551.

18. **Gongyi Zhang** and James H. Hurley. (2003). Crystallization of the Protein Kinase Cdelta C1B Domain. *Methods Mol Biol.* 233:299-304.
19. Yingfang Liu, Xia Hong, John Kappler, Ling Jiang, Rongguang Zhang, Liangguo Xu, Cheol-Ho Pan, Wesley E. Martin, Robert C. Murphy, Hong-Bing Shu, Shaodong Dai, and **Gongyi Zhang**. (2003). Ligand-receptor binding revealed by the TNF family member sTALL-1. *Nature* 423, 49-56 (article).
20. Ronggui Li, Adhar C. Manna, Shaodong Dai, Ambrose L. Cheung, and **Gongyi Zhang**. 2003. Crystal structure of SarS from *Staphylococcus aureus*. *Journal of Bacteriology.* 185, 4219-4225.
21. **Gongyi Zhang**. 2004. Ligand-receptor binding in the TNF/TNFR family. *Current Opinion in Structural Biology.* 14 (2): 154-160.
22. Ambrose L Cheung, Arnold S. Bayer, **Gongyi Zhang**, and Hattie Gresham. 2004. Regulation of virulence determinants *in vitro* and *in vivo* in *Staphylococcus aureus*. *FEMS in Microbiology . FEMS in Microbiology*, 40(1), 1-9.
23. Xia Hong, John Kappler, Zhongzhou Chen, Yingfang Liu, Liangguo Xu, Hong-Bing Shu, and **Gongyi Zhang**. 2004. Is native BAFF a trimer or a virus-like cluster? *Nature.* 427, 414-414.
24. Yingfang Liu, Adhar C. Manna, Cheol-Ho Pan, Irina A. Kriksunov, Daniel J. Thiel, Ambrose L. Cheung, and **Gongyi Zhang**. 2006. Structural and function analyses of the global regulatory protein SarA from *Staphylococcus aureus*. *Proc Natl Acad Sci U S A.* 103 (7), 2392-2397.
25. Whetstone, J.R., Nottke, A., Lan, F., Huarte, M., Smolikov, S., Chen, Z., Spooner, E., Li, E., **Gongyi Zhang**, Colaiacovo, M., Shi, Y. (2006). Reversal of Histone Lysine Trimethylation by the JMJD2 Family of Histone Demethylases. *Cell.* 2006 Apr 5; [Epub ahead of print]
26. Chen, Z., Zang, J., Whetstone, J., Hong, X., davrazou, F., Kutateladze, T.G., Simpson, M., Mao, Q., Pan, C., Dai, S., Hagman, J., Hansen, K., Shi, Y., **Gongyi Zhang**. 2006. Structural Insights into Histone Demethylation by JMJD2 Family members. *Cell*, 2006 May 4; [Epub ahead of print].