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简历：

2006年9月至今：中科院上海有机所，“百人计划”研究员，上海市“浦江计划”获得者

2005年12月至2006年08月：美国Salk生物研究院结构生物学中心，助理研究员

2001年09月至2005年08月：美国约翰霍普金斯大学医学院博士后与研究助理

1998年09月至2001年07月：中科院上海有机化学研究所理学博士

研究方向：

以健康与疾病导向的、以NMR为主要技术手段的化学生物学与结构生物学。内容包括：

蛋白质与核酸特异性相互作用机制研究

A)神经元干细胞发育在小dsRNA介导下抑制与激活机制研究

B) DNA甲基化损伤与修复机制研究

C) DNA骨架磷硫修饰机制研究

D) HIV病毒感染与DNA碱基脱氨基化机制研究

蛋白质与蛋白质相互作用机制研究

A) 蛋白质有效运输机制研究(ESCRT体系）

B) 癌症发生与组蛋白修饰

基于核磁共振波谱学的蛋白质高效表达新技术新方法研究

专家类别：

百人；研究员

职务：

课题组长

社会任职：

获奖及荣誉：

代表论著：

1.Lan WX, Wang ZH, Yang ZZ, **Cao C***. et al Conformational toggling of Yeast Iso-1-cytochrome c in the oxidized and reduced states, *PLoS One*, 2011, accepted

2.Zhu S, Peigneur S, Gao B, Lu X, **Cao C***, Tytgat J. Evolutionary diversification of Mesobuthus {alpha}-scorpion toxins affecting sodium channels, *Mol Cell Proteomics*, 2011,in press

3.Zhang Y., Hu W., Shen J., Tong XT, Lan WX, **Cao C***. Cys397 plays important roles in the global folding of the neuron-restricted silencer factor/RE1-silencing transcription factor, *BBRC*, 2011, in press

4.Zhang LL, Yang Z., Zhang Y., **Cao C***., et al Highly efficient production of soluble proteins from insoluble inclusion bodies by a two-step-denaturing and refolding method *PloS One* 2011, 2011;6(7):e22981.

5.Wang CK, Shen J., Yang ZZ, **Cao C*.** et al Structural basis of readout of unmodified H3R2 by UHRF1 PHD, *Cell Res*, 2011, 2011, 21(9):1379-82

6.Tong XT, Lan WX, Zhang X., Liu ML, **Cao C***., Solution structure of all parallel G-quadruplex formed by the oncogene RET promoter sequence *Nucleic Acid Res.* 2011, 2011 39(15):6753-63

7.中国专利申请, **Cao C***., et al Synthesis of the derivative of 4-(2,4,6- trimethylphenoxy) -5-fulorouraci, 2010, Application code 201010611826.3

8.中国专利申请, **Cao C*.**, et al， An novel approach to real-time detect deamination of cytosine contained in HIV-1 cDNA, 2010, Application code 201010611814.0

9.Zhu, J; Tong, XT; **Cao, C;** Wu, G; Zhang, N; Wu, H. Solution structure of BmK? Tx11, a toxin from the venom of the Chinese scorpion Buthus martensii Karsch. BBRC (2010), 391(1), 627-633.

10.Ju, J; Yang, ZZ; Wu, HM; Wang, ZF; **Cao, C***. Solution structure determination of zinc finger 9 in NRSF/REST by NMR. Huaxue Xuebao (2009), 67(7), 705-708.

11.Guan, W; Liu, YH; Shen, Jie; Tang, PP; Wu, HM; Zhang, GA; **Cao, C***.. DNA: a biological target of 23-Oxa-OSW-1? Huaxue Xuebao (2008), 66(14), 1745-1748.

12.Sheng, Z.-Z.; Wang, ZQ; Wu, HM; Huang, ZX; Wu, XX; **Cao, C***. 1H NMR studies on heme microenvironment of cytochrome b5 mutant P40V. Huaxue Xuebao (2008), 66(10), 1221-1227.

13.Tong, XT; Zhu, J; Ma, Y; Chen, X; Wu, G; He, F; **Cao, C.**; Wu, HM. Solution Structure of BmK? IT01, an -Insect Toxin from the Venom of the Chinese Scorpion Buthus martensii Karsch. Biochem (2007), 46(40), 11322-11330.

14.**Cao C**, Jiang Y.L., Krosky D, Stivers JT. “The Catalytic Power of Uracil DNA Glycosylase in the Opening of Thymine Base Pairs” *J. Am. Chem. Soc.*, 2006, 128 (40), 13034-13035.

15.**Cao C**, Stivers JT “Dynamic opening of normal thymidine bases during enzymatic search for damaged sites in DNA” *Nature Structural and Molecular Biology* 2004, 11(12), 1230-1236

16.**Cao C**, Kwon K, Jiang YL, Drohat A, Stivers JT “Solution structure and base perturbation studies reveal a novel mode of alkylated base recognition by 3-methyladenine DNA glycosylase I” *The Journal of Biological Chemistry* 2003, 278(48), 48012-48020.

17.**Cao C**, Wu HM, Xue L, Wang Y, Huang ZX; “The solution structure of the oxidized bovine microsomal cytochrome b_5 mutant V61H” *BBRC, 2003*, 307(3), 600-609.

18.**Cao C**, Wang Y, Wu HM, Wang ZQ, Wang Y, Huang ZX “NMR study of the effect on cytochrome b5 heme caused by the mutation in the residue Val45” *Biochimie* 2003, 85(10), 1007-1016.

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