

Curriculum Vitae

SHANMEI CHENG

Junior Research Associate

Protein Mechanics and Evolution

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Education

09/2000-12/2005 Ph.D., University of Science and Technology of China, Bioinformatics

09/1996-07/2000 B.S., Anhui University, Applied Physics

11/2003 short-time training, Institute of Applied Physics and Computational Mathematics (Beijing), Monte Carlo Methods

Research Interests

Protein elasticity and folding studies by molecular dynamics simulations.

Research Experience

09/2007-present Junior Research Associate, Protein Mechanics and Evolution, PICB, Max-Planck Society and Chinese Academy of Science. Application of force probe molecular dynamics simulations to study protein elasticity and folding.

09/2000-12/2005 PhD student, School of life Science, University of Science and Technology of China. Development of methods to enhance sampling in the huge conformational space and its application to simulate large time-scale motions such as protein folding and conformational change, etc.

Publications

“Transition State Ensemble for the folding of B domain of Protein A: A Comparison of Distributed Molecular Dynamics Simulations with Experiments” *Shanmei Cheng, Yuedong Yang, Wenrui Wang, Haiyan Liu*. Journal of Physical Chemistry B , 2005,vol.109(49), pp.23645-23654.