

YONG WANG

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EDUCATION

Ph.D., Physics, University of California Los Angeles 2007–2011(Expected)
GPA: 4.00/4.00

M.S., Physics, University of California Los Angeles 2005–2007
GPA: 4.00/4.00; Rank 2 out of 25 in the Written Comprehensive Examination

B.S., Applied Physics, University of Science & Technology of China 2001–2005
GPA: 3.94/4.0 (Major); 3.86/4.0 (Overall)

PUBLICATIONS

H. Qu, **Y. Wang**, C. Tseng and G. Zocchi. The elastic energy of sharply bent nicked DNA. *Phys. Rev. Lett.*, in preparation, 2010.

Y. Wang and G. Zocchi. The shape of fair weather clouds. *Phys. Rev. Lett.*, submitted, 2009.

Y. Wang, A. Wang, H. Qu and G. Zocchi. Protein-DNA chimeras: synthesis of two-arm chimeras and non-mechanical effects of the DNA spring. *J. Phys.: Condens. Matter* **21** 335103, 2009.

H. Fan and **Y. Wang**. Study Hankel Transforms and Properties of Bessel Function via Entangled State Representation Transformation in Quantum Mechanics. *Commun. Theor. Phys.* **45** 819-824, 2006.

H. Fan and **Y. Wang**. Generating Generalized Bessel Equations by Virtue of Bose Operator Algebra and Entangled State Representations. *Commun. Theor. Phys.* **45** 71-74, 2006.

PRESENTATIONS

Y. Wang and G. Zocchi. The shape of fair weather clouds. *American Physical Society March Meeting*, 2010. (Oral)

H. Qu, **Y. Wang**, C. Tseng and G. Zocchi. Measurement of the elastic energy of sharply bent ds DNA. *American Physical Society March Meeting*, 2010. (Oral)

H. Qu, **Y. Wang**, C. Tseng and G. Zocchi. Measurement of the elastic energy of sharply bent ds DNA. *Biophys. J.* **98**(3 S1) 467a, 2010. (Biophysical Society Annual Meeting 2417-Pos) (Poster)

A. Wang, **Y. Wang** and G. Zocchi. Mapping the Mechanical Response of the Enzyme Guanylate Kinase with the Allosteric Spring Probe. *Biophys. J.* **94**(2 S1) 612, 2008. (Biophysical Society Annual Meeting 1808-Plat) (Oral)

Y. Wang, A. Wang and G. Zocchi. Characterizing The Attachment Of A DNA Molecular Spring To A Protein. *Biophys. J.* **94**(2 S1) 672, 2008. (Biophysical Society Annual Meeting 1997-Pos) (Poster)

Y. Wang and G. Zocchi. Progress in the Control of Gene Transcription Mechanically. *CNID/DMEA Review Meeting*, Santa Barbara, CA, 2008. (Oral)

Y. Wang and G. Zocchi. Nano-Mechanics with an Enzyme: Hinge Motion. *CNID/DMEA Review Meeting*, Los Angeles, CA, 2007. (Oral)

Y. Wang and G. Zocchi. Artificial Regulation of Gene Expression by Mechanical Stress. *CNID/DMEA Review Meeting*, Riverside, CA, 2006. (Poster)

TEACHING

Physics 4AL, *Physics Laboratory for Scientists and Engineers: Mechanics*
Teaching Fellow/Associate/Assitant, 11 quarters (served as Lead TA for five quarters)

Physics 6A Lab, *Physics for Life Sciences Majors: Mechanics*
Teaching Assitant, two quarters

Physics 115C, *Quantum Mechanics*
Grader, Winter 2006

Physics 6C, *Physics for Life Sciences Majors: Light, Fluids, Thermodynamics and Modern Physics*
Grader, Winter 2006

Physics 1C, *Physics for Scientists and Engineers: Electrodynamics, Optics & Special Relativity*
Grader, Fall 2005

HONORS & AWARDS

University Fee Fellowship	2005–2010
University Fellowship	2005–2010
University Nonresident Tuition Fellowship	2005–2008
Physics & Astronomy Department Summer Research Award	2006, 2007

SERVICES

Webmaster , Zocchi Laboratory for Molecular Biophysics	2010
Graduate Student Representative , UCLA Academic Senate Committee (Undergraduate Council)	2009–2010
Volunteer , UCLA Graduate Student Orientation	Fall 2009
Coordinator , UCLA Biophysics/Biochemistry Weekly Group Meeting	2008–2009