
BIOGRAPHICAL SKETCH

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NAME Chang, Chung-I	POSITION TITLE Associate Fellow		
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
National Taiwan University	B.S.	1990	Pharmaceutical Sciences
National Taiwan University	M.S.	1992	Biochemistry
University of Texas Southwestern Medical Center at Dallas	Ph.D.	1997-2002	Molecular Biophysics Mentor: Elizabeth Goldsmith
Howard Hughes Medical Institute (Dallas, TX)	(Postdoc)	2002-2006	Structural Biology Mentor: Johann Deisenhofer

A. Personal Statement

My laboratory is taking a comprehensive structural biology approach combining X-ray crystallography, nuclear magnetic resonance (NMR) spectroscopy, electron microscopy (EM), and molecular docking methods to study the molecular mechanism of protein function and to design small molecules that specifically target the activity of proteins with therapeutic potential. One current effort is focused on the structural analysis of the Lon protease and rational design of Lon-specific inhibitors. I have a track record of publication on structural characterization of proteins in high impact journals such as *Science*, *Acta Cryst D*, *Molecular Cell*, and *PNAS*. My expertise and experience include bacterial and baculoviral-expressed recombinant protein production, in protein co-crystallography with natural microbial ligands and synthetic medicinal chemistry compounds, and in structure-based drug design.

B. Positions and Honors

Positions and Employment

2010- Associate Professor, Institute of Biochemical Sciences, National Taiwan University, Taiwan
2009- Associate Fellow, Institute of Biological Chemistry, Academia Sinica, Taiwan
2006-2009 Research Scientist, Array BioPharma Inc., Boulder, CO
2002-2006 Associate, Howard Hughes Medical Institute, Dallas, TX

Other Experience and Professional Memberships

2008 Member, Protein Society
2002 Member, Sigma Xi
2001 Member, American Crystallographic Association

Honors

2001 Annual Sigma Xi Award, University of Texas Southwestern Medical Center
2001 Travel Fellowship Award, The 9th SCBA International Symposium (Taipei), Society of Chinese Bioscientists in America
2001 Best Presentation Award, Program of Molecular Biophysics, University of Texas Southwestern Medical Center at Dallas
2000 Annual Sigma Xi Award, University of Texas Southwestern Medical Center at Dallas