

## Curriculum Vitae

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### Education:

1991-1994	University of Maryland	B.S. in Chemistry and Biochemistry
1994-2000	Stanford University	Ph.D. in Biochemistry

### Positions and experience:

1991-1994	Undergraduate research with Dr. R. N. Armstrong, University of Maryland; Substrate specificity in Glutathione-S-Transferase.
1994-2000	Doctoral research with Dr. Daniel Herschlag, Stanford University; (1) Energetics of hydrogen bonds in model systems and implications for enzymatic catalysis; (2) The role of metal ions in catalysis of RNA enzymes.
2000-2005	Post-doctoral research with Dr. Peter Walter, U.C. San Francisco Mechanism of Signal Recognition Particle-dependent protein transport
2005-2011	Assistant Professor, California Institute of Technology
2011 - current	Professor, California Institute of Technology
2015 - 2025	Executive officer, BMB program at CalTech
2019 - 2029	Altair Professor of Chemistry, California Institute of Technology

### Honors/Services

1992	CRC Freshman Chemistry Achievement Award
1998-1999	Lieberman Fellowship for Graduate Research
1999	Charles Yanofsky Graduate Research Award
2000-2003	Cancer Research Fund Fellowship, Damon Runyon-Walter Winchell Foundation
2000	Jane Coffin Childs Memorial Fund Fellowship (declined)
2003-2008	Career Award in Biomedical Sciences, Burroughs Wellcome Fund
2005-2008	Camille and Henry Dreyfus New Faculty Award
2007-2010	Beckman Young Investigator Award, Arnold and Mable Beckman Foundation
2007-2012	David and Lucille Packard Fellowship for science and engineering
2008	Woman in Cell Biology Junior Award, American Society of Cell Biology
2009	Camille and Henry Dreyfus Teacher-Scholar award
2011	Irving Sigal Young Investigator Award, the Protein Society
2011-current	Board of Reviewing editors, Molecular Biology of the Cell
2012	Nobel Laureate Signature Award for Graduate Education, American Chemical Society

2013	Young Investigator Award, American Society of Biochemistry and Molecular Biology
2013-current	Editorial Advisory board, Biochemistry
2013-2015	Associate Editor, Journal of Biological Chemistry
2014	Vice chair, Gordon conference on Protein Transport across Cell Membranes.
2014	Co-chair, Protein Synthesis thematic series, ASBMB meeting.
2016	Chair, Gordon conference on Protein Transport across Cell Membranes.
2016-2022	Member, MBPP study section, NIGMS
2019-current	Editorial board, Journal of Cell Biology
2021	NSF review panel, MCB-MB
2023	DoE Bio review panel: Self-Assembly & Self-Repair
2024	National Academy of Science (NAS) Award in Molecular Biology
2025	Editorial board member, Annual Review of Biochemistry
2025	Member, National Academy of Science

**Publications** (\*denotes the corresponding author)

<https://www.ncbi.nlm.nih.gov/myncbi/shu-ou.shan.1/bibliography/public/>