

Jie Zhou, Ph.D.

Address: Center for Molecular Biology of RNA and Department of Molecular, Cell and Developmental Biology, University of California at Santa Cruz, USA, 1156 High St. Santa Cruz, CA, 95064

Phone: (831)459-2700 (Lab)
(831)239-1905 (Cell)

Email: jzhou8@ucsc.edu

Education and Training:

Sep. 2009 - Present	Postdoctoral Fellow University of California at Santa Cruz, USA
Sep. 2004 - June 2009	Ph.D. in Biophysics Institute of Biophysics, Chinese Academy of Sciences
Sep. 2000 - June 2004	B.S. in Molecular Biology and Biochemistry Hunan Normal University, P.R. China

Publications:

Jie Zhou, Laura Lancaster, John Paul Donohue, Harry F. Noller (2014). How the ribosome hands the A-site tRNA to the P site during EF-G-catalyzed translocation. *Science* 345:1188-1191

Jie Zhou, Laura Lancaster, John Paul Donohue, Harry F. Noller (2013). Crystal structure of EF-G-Ribosome complexes trapped in the intermediate states of translocation. *Science* 340:1543-+
(Perspective: Marina V. Rodnina (2013). Translocation in Action. *Science*. 1534-1535)

Jie Zhou, Laura Lancaster, Sergei Trakhanov, Harry F. Noller (2012). Crystal structure of release factor RF3 trapped in the GTP state on a rotated conformation of the ribosome. *RNA* 18:230-40.
(Perspective: Megan E. McDonald and Rachel Green (2012). Another burst of smoke: Atomic resolution structures of RF3 bound to the ribosome. *RNA* 18:605-609.)

Jie Zhou, Andrei Korostelev, Laura Lancaster, Harry F. Noller (2012). Crystal structures of 70S ribosomes bound to release factors RF1, RF2 and RF3. *Curr Opin Struct Biol*. 22:733-42.

Xiaoyu Yang*, Jie Zhou*, Lei Sun, Zhiyi Wei, Jianying Gao, Weimin Gong, Ruiming Xu, Zihe Rao, and Yingfang Liu (2007). Structural basis for the function of DCN-1 in protein Neddylation. *J. Biol. Chem.* 282:24490-4. (* these authors contributed equally to the work).