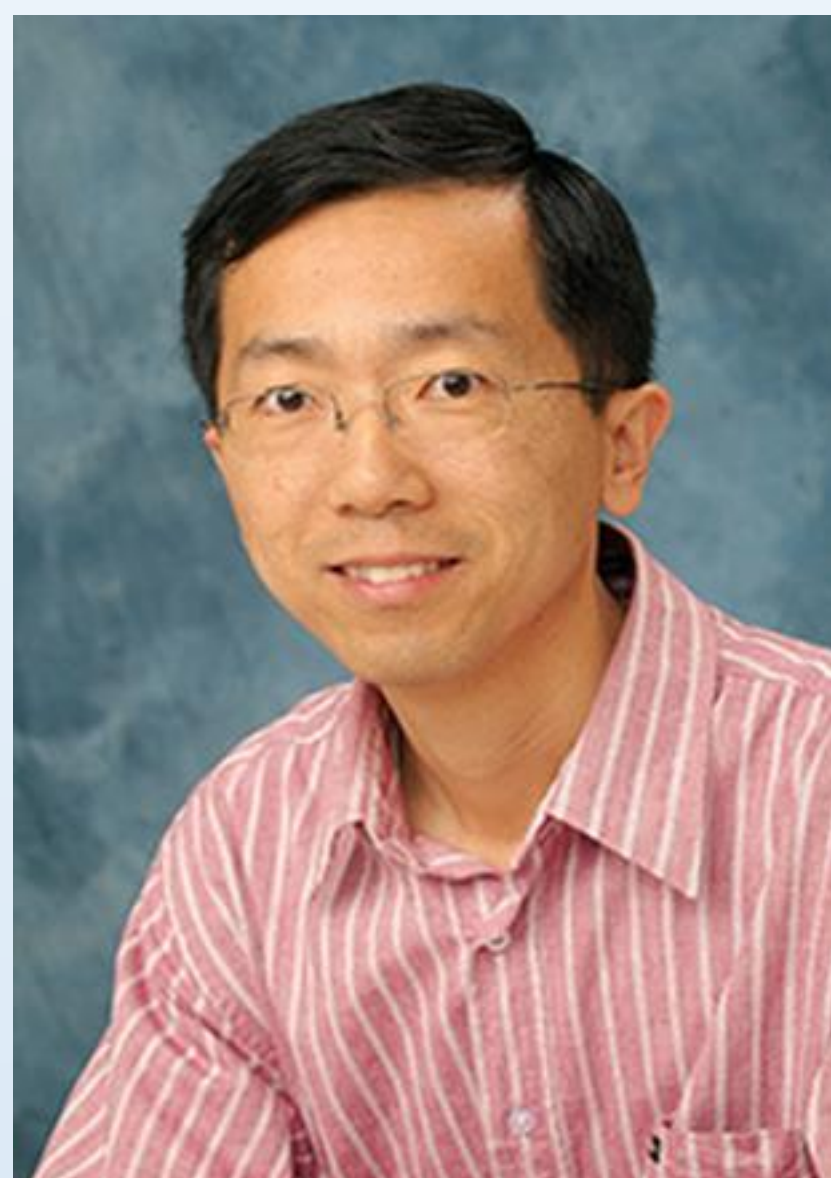




Crystallizing our understanding of botulinum neurotoxin

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Professional Positions:

- 2015/07-current Professor, Department of Physiology and Biophysics ,
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- 20013/04-2015/06 Associate Professor, Department of Physiology and Biophysics ,
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- 2007/09-2013/03 Associate Professor, Neuroscience, Aging & Stem cell Research Center
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报告时间：2016年7月26日 上午10：00 – 11：00

报告地点：复旦大学江湾生命学院大楼G511会议室

Research interests :

Structure and function of synaptic proteins; neurotoxins and receptors; protein complexes; protein-protein and protein-ligand interactions; X-ray crystallography. Focuses on the botulinum neurotoxins, which are among the most poisonous substances known to man.

Representative Publications:

1. Lam, K.H. & Jin, R. Architecture of the botulinum neurotoxin complex: a molecular machine for protection and delivery. *Current Opinion in Structural Biology* 31:89-95 (2015).
2. Yao,Y., Lee, K., Gu, S., Lam, K. H., and Jin, R. Botulinum Neurotoxin A Complex Recognizes Host Carbohydrates through Its Hemagglutinin Component. *Toxins (Basel)*, 6(2), 624-635 (2014)
3. Lee, K., Gu, S., Jin, L., Le, T.T. N., Cheng, L. W., Strotmeier, J., Kruel, A. M., Yao, G., Perry, K., Rummel, A., and Jin, R. Structure of a Bimodular Botulinum Neurotoxin Complex Provides Insights into Its Oral Toxicity. *PLoS Pathog*, 9(10), e1003690 (2013)
4. Gu, S., Rumpel, S., Zhou, J., Strotmeier, J., Bigalke, H., Perry, K., Shoemaker, C.B., Rummel, A. & Jin, R. Botulinum neurotoxin is shielded by NTNHA in an interlocked complex. *Science* 335(6071):977-81 (2012).
5. Yao, G., Zong, Y., Gu, S., Zhou, J., Xu, H., Mathews, II. & Jin, R. Crystal structure of the glutamate receptor GluA1 amino-terminal domain. *Biochemical Journal* 438(2):255-63 (2011).
6. Jin, R., Bank, T., Mayer, M. L., Traynelis, S. & Gouaux, E. Structural basis for partial agonist action at ionotropic glutamate receptors. *Nat. Neurosci.* 6(8):803-10 (2003)

