



Sen-Fang Sui

Professor, Member of Chinese Academy of Sciences
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Contact

Address Life Sciences Building, School of Life Sciences
Tsinghua University, Haidian District
Beijing 100084
China

Phone 86-10-62784768 (office), 86-10-62792083 (assistant)

Email suisf@mail.tsinghua.edu.cn

Education

1988 Ph.D. in Biophysics, Technical University Munich, Germany.
1981 M.S. in Solid State Physics, Tsinghua University, Beijing, China.
1970 B.S. in Mechanical Engineering, Tsinghua University, Beijing, China.

Professional Positions

2019 - present Adjunct Professor, South University of Science and Technology,
Shenzhen, China

1991 - present Professor, School of Life Sciences (replacing the Department of
Biological Sciences and Biotechnology in September of 2009),
Tsinghua University, Beijing, China.

1993 1995 Dean, Department of Biological Sciences and Biotechnology, Tsinghua
University, Beijing, China.

1989 - 1991 Associated Professor, Department of Biological Sciences and
Biotechnology, Tsinghua University, Beijing, China.

Research Interests

Using cryo-electron microscopy (cryo-EM) in combination with biochemical, biophysical and cellular methods, the research in my lab currently focuses on:

1. Structures, functions and mechanisms of gigantic protein complexes, macromolecular machines and membrane proteins
2. Molecular mechanisms of membrane trafficking, lipid-protein interaction and membrane-related human diseases.



Awards and Honors

2020	“破解硅藻光合膜蛋白超分子结构和功能之谜”项目入选 2019 年度“中国生命科学十大进展”
2017	Lifetime Achievement Award, Cryo-Electron Microscopy Subsociety of The Biophysical Society of China.
2015	Special Contribution Award for School of Life Science, Tsinghua University.
2010	Qian Lin-Zhao Award, Chinese Society of Electron Microscopy.
2009	Member, Chinese Academy of Sciences.
2005	National Natural Science Award of China (second class).
2001	Chinese Colleges Awards for Natural Science (first class).
1989	Outstanding Young Teacher Award, Ministry of Education of China

Professional Society Experience

2015 – present	Member of the Scientific Advisory Board, University of Chinese Academy of Sciences, China
2014 - present	Vice-president, The Chinese Society of Biochemistry and Molecular Biology.
2009 - present	Member of the Scientific Advisory Board, National Laboratory of Biomacromolecules, China.
2009 - present	Member, Chinese Academy of Sciences.
1997 - present	Member of the Scientific Advisory Board, State Key Laboratory of Membrane Biology, China.
2013 – 2021	Vice-president, The Chinese Society of Biophysics.
2013 - 2017	President, Cryo-Electron Microscopy Subsociety of the Biophysical Society of China.
2009 – 2014	Member of the Scientific Advisory Board, National Laboratory of Biomacromolecules, China.
2008 – 2016	Vice-president, The Chinese Society of Electron Microscopy.
2003 – 2010	Member of the Editorial Board, <i>BBA Biomembranes</i> .
2003 – 2009	Associate Editor-in-Chief, <i>ACTA BIOPHYSICA SINICA</i> .
2000 – 2023	Member of the Editorial Board, <i>Journal of Structural Biology</i> .
1999 – 2023	Member of the Editorial Board, <i>Journal of Chinese Electron Microscopy Society</i> .

Full List of Publications

1. Jianghao Wu, Shuaijiabin Chen, Chao Wang, Weijun Lin, Chao Huang, Chengxu Fan, Dexian Han, Dandan Lu, Xiumei Xu, **Sen-Fang Sui***, Lixin Zhang*. (2023) Regulatory dynamics of



- the higher-plant PSI-LHCI supercomplex during state transitions. *Molecular Plant*, **16(12):1937-1950. (cover)**
2. Emma Joy Dodson, Jianfei Ma, Maayan Suissa Szlejf, Naama Maroudas-Sklare, Yossi Paltiel, Noam Adir, Shan Sun, **Sen-Fang Sui***, Nir Keren*. (2023) The structural basis for light acclimation in phycobilisome light harvesting systems systems in *Porphyridium purpureum*. *Communications Biology*, **6(1):1210**.
 3. Shan Sun*, **Sen-Fang Sui**. (2023) Structural insights into assembly of TRAPPII and its activation of Rab11/Ypt32. *Current Opinion in Structural Biology*, **80:102596**.
 4. Zongqiang Li, Shuaijiabin Chen, Liang Zhao, Guoqiang Huang, Huiqin Xu, Xiaoyun Yang, Peiyi Wang, Ning Gao, **Sen-Fang Sui***. (2023) Nuclear export of pre-60S particles through the nuclear pore complex. *Nature*, **618(7964):411-418**.
 5. Xin You, Xing Zhang, Jing Cheng, Yanan Xiao, Jianfei Ma, Shan Sun, Xinzheng Zhang*, Hong-Wei Wang*, **Sen-Fang Sui***. (2023) In situ structure of the red algal phycobilisome–PSII–PSI–LHC megacomplex. *Nature*, **616(7955):199-206**.
 6. Jing Cheng, Tong Liu, Xin You, Fa Zhang, **Sen-Fang Sui**, Xiaohua Wan*, Xinzheng Zhang*. (2023) Determining protein structures in cellular lamella at pseudo-atomic resolution by GisSPA. *Nature Communications*, **14(1):1282**.
 7. Shishang Dong, Guoqiang Huang, Changhui Wang, Jiajia Wang, **Sen-Fang Sui***, Xiaochun Qin*. (2022) Structure of the Acidobacteria homodimeric reaction center bound with cytochrome c. *Nature Communications*, **13(1):7745**.
 8. Xiaoyun Yang, Zongqiang Li, Liang Zhao, Zhun She, Zengqiang Gao, **Sen-Fang Sui***, Yuhui Dong*, Yanhua Li*. (2022) Structural insights into PA3488-mediated inactivation of *Pseudomonas aeruginosa* PldA. *Nature Communications*, **13(1):5979**.
 9. Jiawen Yang, **Sen-Fang Sui**, Zheng Liu*. (2022) Brain structure and structural basis of neurodegenerative diseases. *Biophysics Reports*, **8(3):170-181**.
 10. Jiayue Su, Desheng Liu, Fan Yang, Mei-Qing Zuo, Chang Li, Meng-Qiu Dong, Shan Sun*, **Sen-Fang Sui***. (2022) Structural basis of Tom20 and Tom22 cytosolic domains as the human TOM complex receptors. *Proc Natl Acad Sci USA*, **119(26):e2200158119**.
 11. Zongqiang Li, Shuaijiabin Chen, Liang Zhao, Guoqiang Huang, Xiong Pi, Shan Sun, Peiyi Wang, **Sen-Fang Sui***. (2022) Near-atomic structure of the inner ring of the *Saccharomyces cerevisiae* nuclear pore complex. *Cell Research*, **32(5):437-450**.
 12. Chenchen Mi, Li Zhang, Guoqiang Huang, Guangcan Shao, Fan Yang, Xin You, Meng-Qiu Dong, Shan Sun*, **Sen-Fang Sui***. (2022) Structural basis for assembly of TRAPPII complex and specific activation of GTPase Ypt31/32. *Science Advances*, **8(4):eabi5603**.
 13. Meijing Li, Jianfei Ma, Xueming Li*, **Sen-Fang Sui***. (2021) In situ cryo-ET structure of phycobilisome-photosystem II supercomplex from red alga. *elife*, **10: e69635**.
 14. Yanan Xiao, Guoqiang Huang, Xin You, Qingjun Zhu, Wenda Wang, Tingyun Kuang,



- Guangye Han*, **Sen-Fang Sui***, Jian-Ren Shen*. (2021) Structural insights into cyanobacterial photosystem II intermediates associated with Psb28 and Tsl0063. *Nature Plants*, **7(8):1132-1142**.
15. Miaoqing Hu, Fan Yang, Yawen Huang, Xin You, Desheng Liu, Shan Sun*, **Sen-Fang Sui***. (2021) Structural insights into the mechanism of human NPC1L1-mediated cholesterol uptake. *Science Advances*, **7(29):eabg3188**.
16. Sen-Fang Sui*. (2021) Structure of Phycobilisomes. *Annu. Rev. Biophys.*, 50:53-72.
17. Qiuqing Yan, Liang Zhao, Wenda Wang, Xiong Pi, Guangye Han, Jie Wang, Lingpeng Cheng, Yi-Kun He, Tingyun Kuang, Xiaochun Qin*, **Sen-Fang Sui***, Jian-Ren Shen*. (2021) Antenna arrangement and energy-transfer pathways of PSI-LHCI from the moss *Physcomitrella patens*. *Cell Discovery*, **7(1):10-23**.
18. Guoqiang Huang, Yanan Xiao, Xiong Pi, Liang Zhao, Qingjun Zhu, Wenda Wang, Tingyun Kuang, Guangye Han*, **Sen-Fang Sui***, Jian-Ren Shen*. (2021) Structural insights into a dimeric Psb27-photosystem II complex from a cyanobacterium *Thermosynechococcus vulcanus*. *Proc. Natl. Acad. Sci. USA.*, **118(5):e2018053118**.
19. Caizhe Xu, Xiong Pi, Yawen Huang, Guangye Han, Xiaobo Chen, Xiaochun Qin, Guoqiang Huang, Songhao Zhao, Yanyan Yang, Tingyun Kuang, Wenda Wang*, **Sen-Fang Sui***, Jian-Ren Shen*. (2020) Structural basis for energy transfer in a huge diatom PSI-FCPI supercomplex. *Nature Communications*, **11(1):5081**.
20. Wenda Wang, Songhao Zhao, Xiong Pi, Tingyun Kuang, **Sen-Fang Sui**, Jian-Ren Shen*. (2019) Structural features of the diatom photosystem II–light-harvesting antenna complex. *FEBS J.*, **287(11):2191-2200**.
21. Jianfei Ma, Xin You, Shan Sun, Xiaoxiao Wang, Song Qin, **Sen-Fang Sui***. (2020) Structural basis of energy transfer in *Porphyridium purpureum* phycobilisome. *Nature*, **579(7797):146-151**.
22. Wei Shen, Qiu-Wen Wang, Yao-Nan Liu, Maria C. Marchetto, Sara Linker, Si-Yao Lu, Yun Chen, Chuihong Liu, Chongye Guo, Zhikai Xing, Wei Shi, John R. Kelsoe, Martin Alda, Hongwei Wang, Yi Zhong, **Sen-Fang Sui**, Mei Zhao, Yiming Yang, Shuangli Mi, Liping Cao, Fred H. Gage*, Jun Yao*. (2020) Synaptotagmin-7 is a key factor for bipolar-like behavioral abnormalities in mice. *Proc. Natl. Acad. Sci. USA*, **117(8):4392-4399**.
23. Xiong Pi, Songhao Zhao, Wenda Wang, Desheng Liu, Caizhe Xu, Guangye Han, Tingyun Kuang*, **Sen-Fang Sui***, Jian-Ren Shen*. (2019) The pigment-protein network of a diatom photosystem II-light-harvesting antenna supercomplex. *Science*, **365(6452): eaax4406**.
24. Xuan Huang, Shan Sun, Xiaojing Wang, Fenghui Fan, Qiang Zhou, Shan Lu, Yong Cao, Qiu-Wen Wang, Meng-Qiu Dong, Jun Yao, **Sen-Fang Sui***. (2019) Mechanistic insights into the SNARE complex disassembly. *Science Advances*, **5(4):eaau8164**.



25. Xiaochun Qin, Xiong Pi, Wenda Wang, Guangye Han, lixia Zhu, Mingmei Liu, Linpeng Cheng, Jian-Ren Shen, Tingyun Kuang*, **Sen-Fang Sui***. (2019) Structure of a green algal PSI in complex with a large number of light-harvesting complex I subunits. *Nature Plants*, **5(3):263-272**.
26. Jinshan Jin, Ying-Hsin Hsieh, Arpana S. Chaudhary, Jianmei Cui, John E. Houghton, **Sen-Fang Sui**, Binghe Wang, Phang C. Tai*. (2018) SecA inhibitors as potential antimicrobial agents: differential actions on SecA-only and SecA-SecYEG protein-conducting channels. *FEMS Microbiol Lett.*, **365(15):1-10**.
27. Xiong Pi, Lirong Tian, Huai-En Dai, Xiaochun Qin, Lingpeng Cheng, Tingyun Kuang, **Sen-Fang Sui***, Jian-Ren Shen*. (2018). Unique organization of photosystem I-light-harvesting supercomplex revealed by cryo-EM from a red alga. *Proc. Natl. Acad. Sci. USA*, **115(17):4423-4428**.
28. Xinru Yang, Fan Yang, Weiguang Wang, Guangzhong Lin, Zehan Hu, Zhifu Han, Yijun Qi, Liman Zhang, Jiawei Wang, **Sen-Fang Sui***, Jijie Chai*. (2018) Structural basis for specific flagellin recognition by the NLR protein NAIP5. *Cell Research*, **28(1):35-47**.
29. Jun Zhang, Jianfei Ma, Desheng Liu, Song Qin, Shan Sun*, Jindong Zhao, **Sen-Fang Sui***. (2017) Structure of phycobilisome from the red alga *Griffithsia pacifica*. *Nature*, **551(678):57-63**.
30. Qingbin Shang, Liang Zhao, Xiaojing Wang, Meimei Wang, **Sen-Fang Sui***, Li-Zhi Mi*. (2023) Expression and purification of functional PDGF receptor beta. *Biochemical and Biophysical Research Communications*, **489(3):353-359**.
31. Shan Sun, Lin Li, Fan Yang, Xiaojing Wang, Fenghui Fan, Mengyi Yang, Chunlai Chen, Xueming Li, Hong-Wei Wang, **Sen-Fang Sui***. (2017) Cryo-EM structures of the ATP-bound Vps4-E233Q hexamer and its complex with Vta1 at near-atomic resolution. *Nat. Commun.*, **8:16064**.
32. Ying-hsin Hsieh, Ying-ju Huang, Hao Zhang, Qian Liu, Yang Lu, Hsiuchin Yang, John Houghton, Chun Jiang, **Sen-Fang Sui**, Phang C. Tai*. (2017) Dissecting structures and functions of SecA-only protein-conducting channels: ATPase, pore structure, ion channel activity, protein translocation, and interaction with SecYEG/SecDF•YajC. *PLoS One*, **12(6):e0178307**.
33. Li Zhang, Xiaojing Wang, Fenghui Fan, Hong-Wei Wang, Jiawei Wang*, Xueming Li*, **Sen-Fang Sui***. (2017) Cryo-EM structure of Nma111p, a unique HtrA protease composed of two protease domains and four PDZ domains. *Cell Research*, **27(4):582-585**.
34. Xiaojing Wang, Baobin Li, Yu Guo, Shu Shen, Liang Zhao, Peisheng Zhang, Yuna Sun, **Sen-Fang Sui***, Fei Deng*, Zhiyong Lou* (2016) Molecular basis for the formation of ribonucleoprotein complex of Crimean-Congo hemorrhagic fever virus. *Journal of Structural Biology*, **196(3):455-465**.



35. Wenxian Wu, Chunxia Lin, Keng Wu, Lei Jiang, Xiaojing Wang, Wen Li, Haixia Zhuang, Xingliang Zhang, Hao Chen, Shupeng Li, Yue Yang, Yue Lu, Jingjing Wang, Runzhi Zhu, Liangqing Zhang, **Sen-Fang Sui**, Ning Tan*, Bin Zhao*, Jingjing Zhang*, Longxuan Li*, Du Feng*. (2016) FUNDC1 regulates mitochondrial dynamics at the ER-mitochondrial contact site under hypoxic conditions. *EMBO Journal*, **35(13):1368-1384**.
36. Jun Zhang, Xijiang Pan, Shan Sun, Ning Gao*, **Sen-Fang Sui***. (2015) Mechanisms of Ribosome Stalling by SecM at Multiple Elongation Steps. *eLife*, **4:e09684**.
37. Zehan Hu, Qiang Zhou, CL Zhang, SL Fan, W Cheng, Y Zhao, F Shao, HW Wang, **Sen-Fang Sui***, Jijie Chai* (2015) Structural and Biochemical Basis for Induced Self-propagation of NLRC4. *Science*, **350(6259):399-404**.
38. Weili Tian, Wen Li, Yinqin Chen, Zeming Yan, Xia Huang, Haixia Zhuang, Wangtao Zhong, Yusen Chen, Wenxian Wu, Chunxia Lin, Hao Chen, Xiaoyan Hou, Liangqing Zhang, **Sen-Fang Sui**, Bin Zhao, Zhe Hu*, Longxuan Li*, Du Feng*. (2015) Phosphorylation of ULK1 by AMPK regulates translocation of ULK1 to mitochondria and mitophagy. *FEBS Letters*, **589(15):1847-1854**.
39. Lei-Fu Chang, Xianwei Liu, Yanbing Li, Cui-Cui Liu, Fan Yang, Jindong Zhao*, **Sen-Fang Sui***. (2015) Structural organization of an intact phycobilisome and its association with photosystem II. *Cell Research*, **25(6):726-737**.
40. Qiang Zhou, Xuan Huang, Shan Sun, Xueming Li, Hong-Wei Wang*, **Sen-Fang Sui***. (2015) Cryo-EM structure of SNAP-SNARE assembly in 20S particle. *Cell Research*, **25(5):551-560**.
41. Wenxian Wu, Weili Tian, Zhe Hu, Guo Chen, Lei Huang, Wen Li, Xingli Zhang, Peng Xue, Changqian Zhou, Lei Liu, Yushan Zhu, Xingliang Zhang, Longxuan Li, Liangqing Zhang, **Sen-Fang Sui**, Bin Zhao*, Du Feng*. (2014) ULK1 translocates to mitochondria and phosphorylates FUNDC1 to regulate mitophagy. *EMBO Reports*, **15(5):566-575**.
42. Wen Li, Xingli Zhang, Haixia Zhuang, He-ge Chen, Yinqin Chen, Weili Tian, Wenxian Wu, Ying Li, Sijie Wang, Liangqing Zhang, Yusen Chen, Longxuan Li, Bin Zhao, **Sen-Fang Sui**, Zhe Hu*, Du Feng*. (2014) MicroRNA-137 is a novel hypoxia-responsive microRNA that inhibits mitophagy via regulation of two mitophagy receptors FUNDC1 and NIX. *The Journal of Biological Chemistry*, **289(15):10691-701**.
43. Baobin Li, Quan Wang, Xijiang Pan, Isabel Fernández de Castro, Yuna Sun, Yu Guo, Xinwei Tao, Cristina Risco, **Sen-Fang Sui**, Zhiyong Lou*. (2013) Bunyamwera virus possesses a distinct nucleocapsid protein to facilitate genome encapsidation. *Proc. Natl. Acad. Sci. USA*, **110(22):9048-9053**.
44. Cui-Cui Liu, Shan Sun*, **Sen-Fang Sui***. (2013) The Role of the N-D1 Linker of the N-Ethylmaleimide-Sensitive Factor in the SNARE Disassembly. *PLoS One*, **8(5):e64346**.
45. Zhipeng You, Meijiang Liao, Hao Zhang, Hsiuchin Yang, Xijian Pan, John E. Houghton, **Sen-Fang Sui**, Phang C. Tai*. (2013) Phospholipids induce conformational changes of SecA to



- form membrane-specific domains: AFM structures and implication on protein-conducting channels. *PLoS One*, 8(8):e72560.
46. Zhang, Hao, Ying-hsin Hsieh, Bor-ruei Lin, Liyan Yu, Hsiuchin Yang, Chun Jiang, **Sen-Fang Sui**, Phang C. Tai*. (2013) Specificity of SecYEG for PhoA precursors and SecA homologs on SecA protein-conducting channels. *Biochem. Biophys. Res. Commun.*, 437(2):212-216.
47. Y Hsieh, H Zhang, H Wang, H Yang, Chun Jiang, **Sen-Fang Sui**, Phang C. Tai*. (2013) Reconstitution of functionally efficient SecA-dependent protein-conducting channels: transformation of low-affinity SecA-liposome channels to high-affinity SecA-SecYEG-SecDF·YajC channels. *Biochem. Biophys. Res. Commun.*, 431(3):388-392.
48. Qiang Zhou, Shan Sun, Phang Tai, **Sen-Fang Sui***. (2012) Structural characterization of the complex of SecB and metallothionein-labeled proOmpA by cryo-electron microscopy. *PLoS One*, 7(10):e47015.
49. Lei-Fu Chang, Song Chen, Cui-Cui Liu, Xijiang Pan, Jiansen Jiang, Xiao-Chen Bai, Xin Xie Hong-Wei Wang, **Sen-Fang Sui***. (2012) Structural characterization of full-length NSF and 20 S particles. *Nat. Struct. Mol. Bio.*, 19(3):268-275.
50. Lei Liu, Du Feng, Guo Chen, Ming Chen, Qiaoxia Zheng, Pingping Song, Qi Ma, Chongzhuo Zhu, Rui Wang, Wanjun Qi, Lei Huang, Peng Xue, Baowei Li, Xiaohui Wang, Haijing Jin, Jun Wang, Fuquan Yang, Pingsheng Liu, Yushan Zhu, **Sen-Fang Sui**, Quan Chen*. (2012) Mitochondrial outer-membrane protein FUNDC1 mediates hypoxia-induced mitophagy in mammalian cells. *Nat. Cell Biol.*, 14(2):177-185.
51. Xiao-chen Bai, Xi-jiang Pan, Xiao-jing Wang, Yun-ying Ye, Lei-fu Chang, Dong Leng, Jianlin Lei, **Sen-Fang Sui***. (2011) Characterization of the Structure and Function of Escherichia coli DegQ as a Representative of the DegQ-like Proteases of Bacterial HtrA Family Proteins. *Structure* 19(9):1328-1337.
52. Ying-hsin Hsieh, Hao Zhang, Bor-ruei Lin, Ningren Cui, Bing Na, Hsiuchin Yang, Chun Jiang, **Sen-Fang Sui**, Phang.C. Tai*. (2011) SecA alone can promote protein translocation and Ion-channel activity: SecYEG increases efficiency and signal peptide specificity. *J. Biol. Chem.*, 286 (52):44702-44709.
53. Ying Tang, Xijiang Pan, Yong Chen, Phang C. Tai, **Sen-Fang Sui***. (2011) Dimeric SecA couples the preprotein translocation in an asymmetric manner. *PLoS One*, 6(1):e16498.
54. Rui-Qin Liu, Qing-Hua Zhou, Shang-Rong Ji, Qiang Zhou, Du Feng, Yi Wu, **Sen-Fang Sui***. (2010) Membrane Localization of β -Amyloid 1-42 in Lysosomes: A Possible Mechanism for Lysosome Labilization. *J. Biol. Chem.*, 285(26):19986-19996.
55. Du Feng, Wen-Long Zhao, Yun-Ying Ye, Xiao-Chen Bai, Rui-Qin Liu, Lei-Fu Chang, Qiang Zhou, **Sen-Fang Sui***. (2010) Cellular internalization of exosomes occurs through phagocytosis. *Traffic*, 11(5):675-687.



56. Wen-Long Zhao, Du Feng, Ju Wu, **Sen-Fang Sui***. (2010). Trichosanthin inhibits integration of human immunodeficiency virus type 1 through depurinating the long-terminal repeats. *Mol. Biol. Rep.*, **37(4):2093-2098**.
57. Wenlong Zhao, Du Feng, Shan Sun, Ting Han, **Sen-Fang Sui***. (2010) The anti-viral protein of trichosanthin penetrates into human immunodeficiency virus type 1. *Acta. Biochim. Biophys. Sin. (Shanghai)*, **42(2):91-97**.
58. Ting Guo, Lin-Chen Gong, **Sen-Fang Sui***. (2010) An electrostatically preferred lateral orientation of SNARE complex suggests novel mechanisms for driving membrane fusion. *PLoS One*, **5(1):e8900**.
59. Ying Tang, Xijiang Pan, Phang C Tai, **Sen-Fang Sui***. (2010) Electron microscopic visualization of asymmetric precursor translocation intermediates: SecA functions as a dimer, *Sci. China Life Sci.*, **53(9):1049-1056**.
60. Ying Tang, Xijiang Pan, Phang C. Tai, **Sen-Fang Sui***. (2010) The structure of SecB/OmpA as visualized by electron microscopy: the mature region of the precursor protein binds asymmetrically to SecB. *Biochem. Biophys. Res. Commun.*, **393(4):698-702**.
61. Qing-Tao Shen, Xiao-Chen Bai, Lei-Fu Chang, YiWu, Hong-Wei Wang, **Sen-Fang Sui***. (2009) Bowl-Shaped Oligomeric Structures on Membranes: Another Strategy of DegP in Protein Quality Control. *Proc. Natl. Acad. Sci. USA*, **106(12):4858-4863**.
62. Wen-Long Zhao, Fan Zhang, Du Feng, Ju Wu, Shan Chen, **Sen-Fang Sui***. (2009). A Novel Sorting Strategy of Trichosanthin for Hijacking Human Immunodeficiency Virus Type 1. *Biochem. Biophys. Res. Commun.*, **384(3):347-351**.
63. Fan Zhang, Shan Sun, Du Feng, Wen-Long Zhao, **Sen-Fang Sui***. (2009). A novel Strategy for the Invasive Toxin: Hijacking Exosome-mediated Intercellular Trafficking. *Traffic*, **10(4):411-424**.
64. JiHua Lv, Li He, **Sen-Fang Sui***. (2008) C2 domain of synaptotagmin I associates with lipid rafts of plasma membrane. *Chinese Sci. Bull.*, **53(9):1373-1380**.
65. Shan Sun, Feng Chen, Tong-Jin Zhao, Xiao-Hong Fang, Yi-Qoin Li, **Sen-Fang Sui***. (2008). TINY, a dehydration-responsive element (DRE)-binding protein-like transcription factor connecting the DRE- and ethylene-responsive element-mediated signaling pathways in Arabidopsis. *J. Biol. Chem.*, **283(10):6261-6271**.
66. Ji-Hua Lv, Li He, **Sen-Fang Sui***. (2008) Lipid rafts association of synaptotagmin I on synaptic vesicles. *Biochemistry (Mosc.)*, **73(3):283-288**.
67. Qiang Zhou, Qiong-Ling Wang, Xing Meng, Yuyan Shu, Tao Jiang, Terence Wagenknecht, Chang-Cheng Yin*, **Sen-Fang Sui***, Zheng Liu*. (2008) Structural and Functional Characterization of Ryanodine Receptor-Natrin Toxin Interaction. *Biophys. J.*, **95(9):4287-4299**.



68. Yong Chen, Xijiang Pan, Ying Tang, Shu Quan, Phang C. Tai, **Sen-Fang Sui***. (2008) Full-length Escherichia coli SecA dimerizes in a closed conformation in solution as determined by cryo-electron microscopy. *J. Biol. Chem.*, **283(43):28783-28787**.
69. Jiansen Jiang, Xuefeng Zhang, Yong Chen, Yi Wu, Z. Hong Zhou, Zengyi Chang*, **Sen-Fang Sui***. (2008) Activation of DegP Chaperone-Protease via Formation of Large Cage-like Oligomers Upon Binding to Substrate Proteins. *Proc. Natl. Acad. Sci. USA*, **105(33):11939-11944**.
70. Yong Chen, Phang Tai, **Sen-Fang Sui***. (2007) The active ring-like structure of SecA revealed by electron crystallography: conformational change upon interaction with SecB. *J. Struct. Biol.*, **159 (1):149-153**.
71. Ren-Feng Li, Yu Shang, Di Liu, Ze-Song Ren, Zhijie Chang*, **Sen-Fang Sui***. (2007) Differential Ubiquitination of Smad1 Mediated by CHIP: Implications in the Regulation of the Bone Morphogenetic Protein Signaling Pathway. *J. Mol. Biol.*, **374(3):777-790**.
72. Jingguo Liu, Ting Guo, Ju Wu, Xiaochen Bai, Qiang Zhou, **Sen-Fang Sui***. (2007) Overexpression of complexin in PC12 cells inhibits exocytosis by preventing SNARE complex recycling. *Biochemistry (Mosc.)*, **72(4):439-444**.
73. Jingguo Liu, Yong Wei, Ting Guo, Xin Xie, Jiansen Jiang, **Sen-Fang Sui***. (2007) The positively charged residues in the fragment 71 - 77 of complexin is required for its binding to SNARE complex. *IUBMB Life*, **59(2):84-89**.
74. Shi-Zhen Wang, Yong Chen, Zhan-Hua Sun, Qiang Zhou, **Sen-Fang Sui***. (2006) Escherichia coli CorA periplasmic domain functions as a homotetramer to bind substrate. *J. Biol. Chem.*, **281(37):26813-28620**.
75. Jingguo Liu, Ting Guo, Yong Wei, Ming Liu, **Sen-Fang Sui***. (2006) Complexin is able to bind to SNARE core complexes in different assembled states with distinct affinity. *Biochem. Biophys. Res. Commun.*, **347(2):413-419**.
76. Chang Zhen Liu, Yong Chen, **Sen Fang Sui***. (2006) The identification of a new actin-binding region in p57. *Cell Research*, **16(1):106-112**.
77. Zhen-Xiao Sun, Qing-Hua Zhou, **Sen-Fang Sui***. (2005) Cholesterol depletion inhibits the degradation of amyloid beta-peptide in rat pheochromocytoma (PC12) cells. *Neurosci. Lett.*, **391(1-2):71-75**.
78. Y. Zhang, C. C. Fong, M. S. Wong, C. H. Tzang, W. P. Lai, W. F. Fong, **S. F. Sui**, M. Yang*. (2005) Molecular mechanisms of survival and apoptosis in RAW 264.7 macrophages under oxidative stress. *Apoptosis*, **10(3):545-556**.
79. Ren-Feng Li, Fan Zhang, Ying-Jie Lu, **Sen-Fang Sui***. (2005) Specific interaction between Smad1 and CHIP: a surface plasmon resonance study. *Colloids Surf B Biointerfaces*, **40(3-4):133-136**.



80. Zhi-Wei Yi, Hui Huang, Ting-Yun Kuang, **Sen-Fang Sui***. (2005). Three-dimensional architecture of phycobilisomes from *Nostoc flagelliforme* revealed by single particle electron microscopy. *FEBS Lett.*, **579(17):3569-3573**.
81. Xiao-Feng Xia, Fu Wang, Mengsu Yang, **Sen-Fang Sui***. (2004) Trichosanthin's interfacial interactions with phospholipids: A monolayer study. *Colloids Surf B Biointerfaces*, **39(3):105-112**.
82. Wenlong Zhao, **Sen-Fang Sui***. (2004) The milestone of membrane protein research: Nobel Prize in Chemistry for 2003. (Review) *Chinese Sci. Bull.*, **49(7):647-652**.
83. Xiao-Feng Xia, Fan Zhang, Pang-Chai Shaw, **Sen-Fang Sui***. (2003) Trichosanthin induces leakage and membrane fusion of liposome. *IUBMB Life*, **55(12):681-687**.
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