

1997				
2001		1999		
2001-2003	Memorial Sloan Kettering		Nikola	
Pavletich	2003-2008			
2008			2019	
<i>Science</i>	<i>Nature</i>	<i>Nature Microbiology</i>	<i>Nature Communications</i>	3
<i>Molecular Cell</i>	2	<i>Cell Research</i>	<i>Nucleic Acids Research</i>	<i>Journal of</i>
<i>Molecular Cell Biology</i>		<i>Cell Discovery</i>	<i>mBio</i>	<i>Molecular Microbiology</i>
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			2500	APC-Asef
				Mariann Bienz
Faculty of 1000				
<i>Nature Chemical Biology</i> , 2017			2016	
2009		2008		2014
2008			2009	
Special Fellowship	2005			2014

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1. Hu X, Li M, Hao X, Lu Y, Zhang L, Wu G*. *Osa* limits *dpp* transcription in escort cells to permit germline differentiation in *Drosophila* ovary. *Journal of Genetics and Genomics* In revision. 2020
2. Li H, Wang W, Zhang W, Wu G*. Structural insight into the recognition between Sufu and Fused in the Hedgehog signal transduction pathway. *Journal of Structural Biology* 7:107614. 2020
3. Liu L, Jiang S, Xing M, Chen C, Lai C, Li N, Liu G, Wu D, Gao H, Hong L, Tan P, Chen S, Deng Z, Wu G*, Wang L*. Structural analysis of an L-cysteine desulfurase from an Ssp DNA phosphorothioation system. *mBio* 11(2):e00488-20. 2020
4. Xiong X[#], Wu G[#], Wei Y[#], Liu L, Zhang Y, Su R, Jiang X, Li M, Gao H, Tian X, Zhang Y, Hu L, Chen S, Tang Y, Jiang S, Huang R, Li Z, Wang Y, Deng Z, Wang J, Dedon PC, Chen S, Wang L. SspABCD-SspE is a phosphorothioation-sensing bacterial defence system with broad anti-phage activities. *Nature Microbiology* 5(7):917-928. 2020
5. Liu G, Fu W, Zhang Z, He Y, Yu H, Wang Y, Wang X, Zhao YL, Deng Z, Wu G*, He X*. Structural basis for the recognition of sulfur in phosphorothioated DNA. *Nature Communications* 9(1):4689. 2018

6. Mu Z, Wang L, Deng W, Wang J, **Wu G***. Structural insight into the Ragulator complex which anchors mTORC1 to the lysosomal membrane. *Cell Discovery* 3:17049. 2017
7. Kulaberoglu Y, Lin K, Holder M, Gai Z, Gomez M, Shifa BA, Mavis M, Hua L, Sharif AAD, Lujan C, Smith EJ, Bjedov I, Tapon N, **Wu G***, Hergovich A*. Stable MOB1 interaction with Hippo/MST is not essential for development and tissue growth control. *Nature Communications* 8:695. 2017
8. Gai Z, Wang Q, Yang C, Wang L, Deng W, **Wu G***. Structural mechanism for the arginine sensing and regulation of CASTOR1 in the mTORC1 signaling pathway. *Cell Discovery* 2:16051. 2016 14
9. Gai Z, Chu W, Deng W, Li W, Li H, He A, Nellist M, **Wu G***. Structure of the TBC1D7-TSC1 complex reveals that TBC1D7 stabilizes dimerization of the TSC1 C-terminal coiled coil region. *Journal of Molecular Cell Biology* 8:411-425. 2016 11
10. Zhang Z, Akyildiz S, Xiao Y, Gai Z, An Y, Behrens J*, **Wu G***

Molecular Cell 13:451-3. (2004)

19. **Wu G**, Xu G, Schulman B, Jeffrey P, Harper JW, Pavletich NP*. Structure of a -TrCP1 Skp1 -Catenin complex: destruction-motif binding and lysine specificity of the SCF ^{-TrCP1} ubiquitin ligase. ***Molecular Cell*** 11:1445-1456. (2003
449)
20. **Wu G[#]**, Chai J[#]

- reveals a unique substrate binding mode. *Scientific Reports* 7:40254. (2017)
- 32. Zhao G, Chen C, Xiong W, Gao T, Deng Z, **Wu G***, He X*. Structural basis of the substrate preference towards CMP for a thymidylate synthase MilA involved in mildiomycin biosynthesis. *Scientific Reports* 6:39675. (2016)
 - 33. Jiang Y, Tang H*, **Wu G**, Xu P*. Functional identification of a novel gene, moaE, for 3-succinoylpyridine degradation in *Pseudomonas putida* S16. *Scientific Reports* 5:13464. (2015)
 - 34. Zhang Y, An J, Yang G, Bai A, Zheng B, Lou Z, **Wu G**, Ye W, Chen HF, Feng Y*, Manco G*. Active site loop conformation regulates promiscuous activity in a lactonase from *Geobacillus kaustophilus* HTA426. *PLoS One* 10:e0115130. (2015)
 - 35. Liu G, Zhang Z, Zhao G, Deng Z, **Wu G***, He X*. Crystallization and preliminary X-ray analysis of the type IV restriction endonuclease ScoMcrA from *Streptomyces coelicolor*, which cleaves both Dcm-methylated DNA and phosphorothioated DNA. *Acta Crystallography Section F* 71:57-60. (2015)
 - 36. Xie Y, An J, Yang G, **Wu G**, Zhang Y, Cui L, Feng Y*. Enhanced enzyme kinetic stability by increasing rigidity within the active site. *Journal of Biological Chemistry* 289:7994-8006. (2014)
 - 37. Wang H, Zhang Y, Zhang Z, Jin WL*, **Wu G***. Purification, crystallization and preliminary X-ray analysis of the inverse F-BAR domain of the human srGAP2 protein. *Acta Crystallography Section F* 70:123-126. (2014)
 - 38. Li A, Zhang Y*, Wang C, **Wu G***, Wang Z. Purification, molecular cloning, and antimicrobial activity of peptides from the skin secretion of the black-spotted frog, *Rana nigromaculata*. *World Journal of Microbiology and Biotechnology* 29:1941-1949 (2013)
 - 39. Chen F, Zhang Z, Lin K*, Qian T, Zhang Y, You D, He X, Wang Z, Liang J, Deng Z, **Wu G***. Crystal structure of the cysteine desulfurase DndA of *Streptomyces lividans* which is involved in DNA phosphorothioation. *PLoS One* 7:e36635. (2012)
 - 40. Hu W, Wang C, Liang J, Zhang T, Hu Z, Wang Z, Lan W, Li F, Wu H, Ding J, **Wu G**, Deng Z, Cao C*. Structural insights into DndE from *Escherichia coli* B7A involved in DNA phosphorothioation modification. *Cell Research* 22:1203-1206. (2012)
 - 41. Tang H, Yao Y, Wang L, Yu H, Ren Y, **Wu G**, Xu P*. Genomic analysis of *Pseudomonas putida*: genes in a genome island are crucial for nicotine degradation. *Scientific Reports* 2:377. (2012)
 - 42. Li Q, Feng J, Gao C, Li F, Yu C, Meng L, Zhang Z, Ma C*, Gu L*, **Wu G**, Xu P. Purification and characterization of a flavin reductase from the biodesulfurizing bacterium *Mycobacterium goodii* X7B. *Process Biochemistry* 47:1144-1149. (2012)
 - 43. Tang H, Yu H, Tai C, Huang K, Liu Y, Wang L, Yao Y, **Wu G**, Xu P*. Genome sequence of a novel nicotine-degrading strain, *Pseudomonas geniculata* N1. *Journal of Bacteriology* 194:3553-3554. (2012)
 - 44. Zhang Z, Li H, Chen L, Lu X, Zhang J, Xu P, Lin K*, **Wu G***. Molecular basis

for the recognition of Adenomatous Polyposis Coli by the Discs Large 1 protein. *PLoS One* 6:e23507. (2011)

45. Zhang Z, Lin K*, Gao L, Chen L, Shi X, Wu G*. Crystal structure of the armadillo repeat domain of adenomatous polyposis coli which reveals its inherent flexibility. *Biochemical and Biophysical Research Communications* 412:732-736. (2011)
46. Chen F, Lin K*, Zhang Z, Chen L, Shi X, Cao C, Wang Z, Liang J, Deng Z, Wu G*. Purification, crystallization, and preliminary X-ray analysis of DndE protein from *Salmonella enterica* serovar Cerro 87 which is involved in DNA phosphorothioation. *Acta Crystallography Section F* 67:1440-1442. (2011)
47. Huang Z, Zhu L, Cao Y, Wu G, Liu X, Chen Y, Wang Q, Shi T, Zhao Y, Wang Y, Li W, Li Y, Chen H*, Chen G, Zhang J*. ASD: a comprehensive database of allosteric proteins and modulators. *Nucleic Acids Research* 39:D663-9. (2011)
48. Tao F, Zhao P, Li Q, Su F, Yu B, Ma C, Tang H, Tai C, Wu G, Xu P*. Genome sequence of *Rhodococcus erythropolis* XP, a biodesulfurizing bacterium with industrial potential. *Journal of Bacteriology* 193:6422-6423. (2011)
49. Gai Z, Wang X, Tang H, Tai C, Tao F, Wu G, Xu P*. Genome sequence of *Sphingobium yanoikuyaе*

Proceedings of National Academy of Science USA 96:13130-13135. (1999)