

1. Wang S, Li S, Li Y, Jiang Q, Li X, Wang Y, Han JD, Liu Y[#], **Chen YG[#]**. 2021 Non-muscle myosin heavy chain 9 maintains intestinal homeostasis by preventing epithelium necroptosis and colitis adenoma formation. *Stem Cell Reports*, 16(5):1290-1301.
2. Nong J, Kang K, Shi Q, Zhu X, Tao Q, **Chen YG[#]**. 2021 Phase separation of Axin organizes the β -catenin destruction complex. *Journal of Cell Biology*, 220(4):e202012112.
3. Niu M, He Y, Xu J, Ding L, He T, Yi Y, Fu M, Guo R, Li F, Chen H, **Chen YG**, Xiao ZJ. 2021 Noncanonical TGF- β signaling leads to FBXO3-mediated degradation of Δ Np63 α promoting breast cancer metastasis and poor clinical prognosis. *PLoS Biology*, 19(2):e3001113.
4. Yan Z, Cheng M, Hu G, Wang Y, Zeng S, Huang A, Xu L, Liu Y, Shi C, Deng L, Lu Q, Rao H, Lu H, **Chen YG[#]**, Luo S[#]. 2021 Positive feedback of SuFu negating protein 1 on Hedgehog signaling promotes colorectal tumor growth. *Cell Death & Disease*, 12(2):199.
5. Lai S, Cheng R, Gao D, **Chen YG**, Deng C. 2020 LGR5 constitutively activates NF- κ B signaling to regulate the growth of intestinal crypts. *FASEB Journal*, 34(11):15605-15620.
6. Liu Y, **Chen YG[#]**. 2020 Intestinal epithelial plasticity and regeneration via cell dedifferentiation. *Cell Regeneration*, 9(1):14. (Review)
7. Liu L, Li T, Liao Y, Wang Y, Gao Y, Hu H, Huang H, Wu F, **Chen YG**, Xu S, Fu S. 2020 Triose Kinase Controls the Lipogenic Potential of Fructose and Dietary Tolerance. *Cell Metabolism*, 32(4):605-618.e7.
8. Zhang M, Liu Y, **Chen YG[#]**. 2020 Generation of 3D human gastrointestinal organoids: principle and applications. *Cell Regeneration*, 9(1):6. (Review)
9. Liu Y, Xiong X, **Chen YG[#]**. 2020 Dedifferentiation: the return road to repair the intestinal epithelium. *Cell Regeneration*, 9(1):2. (Highlight)
10. **Chen YG[#]**, Lou Y. 2020 Welcome to Cell Regeneration. *Cell Regeneration*, 9(1):1. (Editorial)
11. Liao H, Li X, Zhao L, Wang Y, Wang X, Wu Y, Zhou X, Fu W, Liu L, Hu HG, **Chen YG[#]**. 2020 A PROTAC peptide induces durable β -catenin degradation and suppresses Wnt-dependent intestinal cancer. *Cell Discovery*, 6:35.
12. Zhao L, Wang X, Pomlok K, Liao H, Yang G, Yang X, **Chen YG[#]**. 2020 DDB1 promotes the proliferation and hypertrophy of chondrocytes during mouse skeleton development. *Developmental Biology*, 465(2):100-107.
13. Liu L, Wu Y, Zhang C, Zhou C, Li Y, Zeng Y, Zhang C, Li R, Luo D, Wang L, Zhang L, Tu S, Deng H, Luo S, **Chen YG**, Xiong X, Yan X. 2020 Cancer-associated adipocytes-derived G-CSF promotes breast cancer malignancy via Stat3 signaling. *Journal of Molecular Cell Biology*, 12(9):723-737.
14. Wang YL, Song WL, Wang JL, Wang T, Xiong XC, Qi Z, Fu W[#], Yang XR[#], **Chen YG[#]**. 2020 Single-cell transcriptome analysis reveals differential nutrient absorption functions in human intestine. *Journal of Experimental Medicine*, 217(2). pii: e20191130.
15. He D, Wu H, Xiang J, Ruan X, Peng P, Ruan Y, **Chen YG**, Wang Y, Yu Q, Zhang H, Habib SL, De Pinho RA, Liu H, Li B. 2020 Gut stem cell aging is driven by mTORC1 via a p38 MAPK-p53 pathway. *Nature Communications*, 11(1):37.
16. Luo M, Bai J, Liu B, Yan P, Zuo F, Sun H, Sun Y, Xu X, Song Z, Yang Y, Massagué J, Lan X, Lu Z, **Chen YG**, Deng H, Xie W, Xi Q. 2019 H3K18ac primes mesendodermal differentiation upon nodal signaling. *Stem Cell Reports*, 13(4):642-656.
17. **Chen YG**, Lou Y. 2019 Relaunching of Cell Regeneration. *Cell Regeneration*, 8(2):31-32.
18. Li Y, Liu Y, Chiang YJ, Huang F, Li Y, Li X, Ning Y, Zhang W, Deng H, **Chen YG[#]**. 2019 DNA damage activates TGF- β signaling via ATM-c-Cbl-mediated stabilization of the type

- II receptor T β RII. *Cell Reports*, 28(3):735-745.e4.
19. Shi Q, **Chen YG**[#]. 2019 ALK-mediated Tyr95 phosphorylation of Smad4 impairs its transcription activity and the tumor suppressive activity of TGF- β . *Science China Life Science*, 62(3):431-432.
 20. Shi Q, **Chen YG**[#]. 2019 The functional switch of TGF- β signaling in breast cancer *Oncotarget*, 10(17):1604-1605.
 21. Qi Z, **Chen YG**[#]. 2019 Efficient culture of intestinal organoids with blebbistatin. *Methods in Molecular Biology*, 1576:113-121. (doi: 10.1007/7651_2017_70)
 22. Liu Y, **Chen YG**[#]. 2018 2D- and 3D-Based Intestinal Stem Cell Cultures for Personalized Medicine. *Cells*, 7(12). pii: E225.
 23. Xu X, Wang L, Liu B, Xie W, **Chen YG**[#]. 2018 Activin/Smad2 and Wnt/ β -catenin upregulate HAS2 and ALDH3A2 to facilitate mesendoderm differentiation of human ESCs. *Journal of Biological Chemistry*, 293(48):18444-18453.
 24. Ye P, Chiang YJ, Qi Z, Li Y, Wang S, Liu Y, Li X, **Chen YG**[#]. 2018 Tankyrases maintain homeostasis of intestinal epithelium by preventing cell death. *PLoS Genetics*, 14(9):e1007697.
 25. Huang F, Shi Q, Li Y, Xu L, Xu C, Chen F, Wang H, Liao H, Chang Z, Liu F, Zhang XH, Feng XH, Han JJ, Luo S, **Chen YG**[#]. 2018 HER2/EGFR-AKT signaling switches TGF- β from inhibiting cell proliferation to promoting cell migration in breast cancer. *Cancer Research*, 78(21):6073-6085.
 26. Li Y, Liu Y, Liu B, Wang J, Wei S, Qi Z, Wang S, Fu W, **Chen YG**[#]. 2018 A growth factor-free culture system underscores the coordination between Wnt and BMP signaling in Lgr5⁺ intestinal stem cell maintenance. *Cell Discovery*, 4:49.
 27. Liu Y, Qi Z, Li X, Du Y, **Chen YG**[#]. 2018 Monolayer culture of intestinal epithelium sustains Lgr5⁺ intestinal stem cells. *Cell Discovery*, 4:32.
 28. Wang S, **Chen YG**[#]. 2018 BMP signaling in homeostasis, transformation and inflammatory response of intestinal epithelium. *Science China Life Science*, 61(7):800-807.
 29. Yan X[#], Xiong X, **Chen YG**[#]. 2018 Feedback regulation of TGF- β signaling. *Acta Biochim Biophys Sin (Shanghai)*. 50(1):37-50.
 30. Yan X[#], Wu J, Jiang Q, Chen H, Han JD, **Chen YG**[#]. 2018 CXXC5 suppresses hepatocellular carcinoma by promoting TGF- β -induced cell cycle arrest and apoptosis, *Journal of Molecular Cell Biology*, 10(1):48-59.
 31. Wu Y, Li Y, Li X, Zou Y, Liao HL, Liu L, **Chen YG**[#], Bierer D[#], Hu HG[#]. 2017 A novel peptide stapling strategy enables retention of ring-closing amino acid side chains for Wnt/ β -catenin signalling pathway. *Chemical Science*, 8(11):7368-7373.
 32. Shi Q, **Chen YG**[#]. 2017 Interplay between TGF- β signaling and receptor tyrosine kinases in tumor development. *Science China Life Science*, 60(10):1133-1141.
 33. Yu Y, Gu S, Li W, Sun C, Chen F, Xiao M, Wang L, Xu D, Li Y, Ding C, Xia Z, Li Y, Ye S, Xu P, Zhao B, Qin J, **Chen YG**, Lin X, Feng XH. 2017 Smad7 enables STAT3 activation and promotes pluripotency independent of TGF- β signaling. *Proc Natl Acad Sci U S A.*, 114(38):10113-10118.
 34. Wang JL, Qi Z, Li YH, Zhao HM, **Chen YG**, Fu W. 2017 TGF β induced factor homeobox 1 promotes colorectal cancer development through activating Wnt/ β -catenin signaling. *Oncotarget*, 8(41):70214-70225.
 35. Lin H, Ying Y, Wang YY, Wang G, Jiang SS, Huang D, Luo L, **Chen YG**, Gerstenfeld LC, Luo Z. 2017 AMPK downregulates ALK2 via increasing the interaction between Smurf1 and Smad6, leading to inhibition of in vitro osteogenic differentiation. *Biochim Biophys Acta*, 1864(12):2369-2377.

36. Ying Y, Ueta T, Jiang S, Lin H, Wang Y, Vavvas D, Wen R, **Chen YG**, Luo Z. 2017 Metformin inhibits ALK1-mediated angiogenesis via activation of AMPK. *Oncotarget*, 8(20):32794-32806.
37. Wang L, Xu X, Cao Y, Li Z, Cheng H, Zhu G, Duan F, Na J, Han JD, **Chen YG[#]**. 2017 Activin/Smad2-induced H3K27me3 reduction is crucial to initiate mesendoderm differentiation of human embryonic stem cells. *Journal of Biological Chemistry*, 292(4):1339-1350.
38. Qi Z, Li Y, Zhao B, Xu C, Liu Y, Wang X, Yang X, Li B, Han JD, **Chen YG[#]**. 2017 BMP restricts the self-renewal of intestinal Lgr5+ stem cells by directly suppressing their signature genes. *Nature Communications*, 8:13824.
39. Cheng M, Xue H, Cao W, Li W, Chen H, Liu B, Ma B, Yan X, **Chen YG[#]**. 2016 RACK1 promotes Dishevelled degradation via autophagy and antagonizes Wnt signaling. *Journal of Biological Chemistry*, 291(24):12871-9.
40. Hata A[#], **Chen YG[#]**. 2017 TGF- β Signaling from Receptors to Smads. *Cold Spring Harbor Perspectives in Biology*, 8(9). pii: a022061.
41. **Chen YG[#]**, Ezhkova E[#], Ostankovitch M[#]. 2016 Molecular mechanisms regulating stem cells fate. *Journal of Molecular Biology*, 428:1407-1408.
42. Wang L, **Chen YG[#]**. 2016 Signaling control of differentiation of embryonic stem cells towards mesendoderm. *Journal of Molecular Biology*, 428:1409-1422.
43. Yan X, Liao H, Cheng M, Shi X, Lin X, Feng XH, **Chen YG[#]**. 2016 Smad7 interacts with R-Smads to inhibit TGF-beta/Smad signaling. *Journal of Biological Chemistry*, 291(1):382-92.
44. Yan X, **Chen YG[#]**. 2016 Posttranslational Modifications of TGF- β Receptors. *Methods in Molecular Biology*, 1344:49-61.
45. Zhu G, Fei T, Li Z, Yan X, **Chen YG[#]**. 2015 Activin regulates self-renewal and differentiation of trophoblast stem cells by down-regulating the X-chromosome gene Bcor. *Journal of Biological Chemistry*, 290(36):22019-29.
46. Sun G, Hu Z, Min Z, Yan X, Guan Z, Su H, Fu Y, Ma X, **Chen YG**, Zhang MQ, Tao Q, Wu W. 2015 Small C-terminal Domain Phosphatase 3 Dephosphorylates the Linker Sites of R-Smads to Ensure TGF β -mediated Germ Layer Induction in Xenopus Embryos. *Journal of Biological Chemistry*, 290(28):17239-49.
47. He K, Yan X, Li N, Dang S, Xu L, Zhao B, Li Z, Lv Z, Fang X[#], Zhang Y[#], **Chen YG[#]**. 2015 Internalization of the TGF- β type I receptor into caveolin-1 and EEA1 double-positive early endosomes. *Cell Research*, 25(6):738-52.
48. Zhao B, Qi Z, Li Y, Wang C, Fu W, **Chen YG[#]**. 2015 The non-muscle-myosin-II heavy chain Myh9 mediates colitis-induced epithelium injury by restricting Lgr5+ stem cells. *Nature Communications*, 6:7166. (doi: 10.1038/ncomms8166)
49. Ma B, Liu B, Cao W, Gao C, Qi Z, Ning Y, **Chen YG[#]**. 2015 The Wnt signaling antagonist Dapper1 accelerates Dishevelled2 degradation via promoting its ubiquitination and aggregates-induced autophagy. *Journal of Biological Chemistry*, 290(19):12346-54.
50. Du J, Hong S, Dong L, Cheng B, Lin L, Zhao B, **Chen YG[#]**, Chen X[#]. 2015 Dynamic sialylation in Transforming Growth Factor- β -induced epithelial to mesenchymal transition. *Journal of Biological Chemistry*, 290(19):12000-13.
51. Lin L, Liu L, Zhao B, Xie R, Lin W, Li H, Li Y, Shi M, **Chen YG**, Springer TA, Chen X* 2015 Carbon nanotube-assisted optical activation of TGF- β signalling by near-infrared light. *Nature Nanotechnology*, 10(5):465-71.
52. Huang Y, Wang P, Chen H, Ding Y, **Chen YG[#]**. 2015 Myc-interacting zinc-finger protein 1 positively regulates Wnt signaling by protecting Dishevelled from Dapper1-mediated

- degradation. *Biochemical Journal*, 466(3), 499–509.
53. Qi Z, Chen YG. 2015. Regulation of intestinal stem cell fate specification. *Science China Life Science*, 58(6):570-578 (Review)
 54. Ding Y, Su S, Tang W, Zhang X, Chen S, Zhu G, Liang J, Wei W, Guo Y, Liu L, **Chen YG**, Wu W 2014 The S-G2 phase enriched β -catenin/TCF complex ensures cell survival and cell cycle progression. *Journal of Cell Science*, 127(22):4833-45. (doi: 10.1242/jcs.146977)
 55. Zhao B, **Chen YG[#]** 2014 Regulation of TGF- β signaling. *Scientifica*, 2014:874065. (Review)
 56. Ma B, Cao W, Li W, Gao C, Qi Z, Zhao Y, Du J, Xue H, Peng J, Wen J, Chen H, Ning Y, Huang L, Zhang H, Gao X, Yu L, **Chen YG[#]** 2014 Dapper1 promotes autophagy by enhancing the Beclin1-Vps34-Atg14L complex formation. *Cell Research*, 24(8):912-24.
 57. Xu P, Zhu G, Wang Y, Sun J, Liu X, **Chen YG**, Meng A 2014 Maternal Eomesodermin regulates zygotic nodal gene expression for mesendoderm induction in zebrafish embryos. *Journal Molecular Cell Biology*, 6(4):272-85.
 58. Zhang Y, Ding Y, **Chen YG[#]**, Tao QH[#] 2014 NEDD4L regulates convergent extension movements in *Xenopus* embryos via Dishevelled-mediated non-canonical Wnt signaling. *Developmental Biology*, 392(1):15-25. (doi: 10.1016/j.ydbio.2014.05.003)
 59. Li Y, Wu H, Wu W, Zhuo W, Liu W, Zhang Y, Cheng M, **Chen YG**, Gao N, Yu H, Wang L, Li W, Yang M 2014 Structural insights into the TRIM family of ubiquitin E3 ligases. *Cell Research*, 24:762-765.
 60. Yan X, Pan J, Xiong W, Cheng M, Sun Y, Zhang S, **Chen YG**. 2014 Yin Yang 1 (YY1) synergizes with Smad7 to inhibit TGF- β signaling in the nucleus. *Science China Life Sciences*, 57:128-136.
 61. Luo W, Xia T, Xu L, **Chen YG**, Fang X 2014 Visualization of the post-Golgi vesicle-mediated transportation of TGF- β receptor II by quasi-TIRFM. *Journal of Biophotonics*, 7:788-798.
 62. Zuo W, **Chen YG[#]** 2013 TGF- β signaling in hematopoietic stem cells and leukemia. *Cancer Hallmarks*, 1:91-97. (Review)
 63. Tao R, Xue H, Zhang J, Liu J, Deng H, **Chen YG[#]** 2013 The deacetylase Rpd3 facilitates checkpoint adaptation by preventing Rad53 over-activation. *Molecular and Cellular Biology*, 43:4212-4224. (Highlighted in Spotlight by the Editor)
 64. Conidi A, van den Berghe V, Leslie K, Stryjewska A, Xue H, **Chen YG**, Seuntjens E, Huylebroeck D. 2013 Four amino acids within a tandem QxVx 1 repeat in a predicted extended α -2 helix of the Smad-binding domain of Sip1 are necessary for binding to activated Smad proteins. *PLoS One*, 8(10): e76733. (doi:10.1371/journal.pone.0076733)
 65. Xue H, Xiao Z, Jing Zhang J, Wen J, Wang Y, Chang Z, Zhao J, Gao X, Du J[#], **Chen YG[#]** 2013 Disruption of the Dapper3 gene aggravates ureteral obstruction-mediated renal fibrosis by amplifying Wnt/ β -catenin signaling. *Journal of Biological Chemistry*, 288(21):15006-15014.
 66. Liu X, Xiong C, Jia S, Zhang Y, **Chen YG**, Wang Q, Meng A. 2013 Araf kinase antagonizes Nodal-Smad2 activity in mesendoderm development by directly phosphorylating the Smad2 linker region. *Nature Communication*, 4:1728.
 67. Cui HK, Zhao B, Li Y, Guo Y, Hu H, Liu L[#], **Chen YG[#]** 2013 Design of stapled α -helical peptides to specifically activate Wnt/ β -catenin signaling. *Cell Research*, 23(4):581-584.
 68. Ding Y, Zhang Y, Xu C, Tao QH[#], **Chen YG[#]** 2013 HECT Domain-containing E3 ubiquitin ligase NEDD4L negatively regulates Wnt signaling by targeting Dishevelled for proteasomal degradation. *Journal of Biological Chemistry*, 288:8289-8298.
 69. Zhang J, Fei T, Li Z, Zhu G, Wang L, **Chen YG[#]** 2013 BMP induces cochlin expression to

- facilitate self-renewal and suppress neural differentiation of mouse embryonic stem cells. *Journal of Biological Chemistry*, 288:8053-8060.
70. Zuo W, Huang F, Chiang YJ, Li M, Du J, Ding Y, Zhang T, Lee HW, Jeong LS, Chen Y, Deng H, Feng XH, Luo S, Gao C, **Chen YG**[#] 2013 c-Cbl-mediated neddylation antagonizes ubiquitination and degradation of the TGF- β type II receptor. *Molecular Cell*, 49(3):499-510.
 71. Zhao M, Yang X, Fu Y, Wang H, Ning Y, Yan J, **Chen YG**, Wang G 2013 Mediator MED15 modulates TGF β /Smad signaling and breast cancer cell metastasis. *Journal of Molecular Cell Biology*, 5(1):57-60.
 72. Margariti A, Li H, Chen T, Martin D, Vizcay-Barrena G, Alam S, Karamariti E, Xiao Q, Zampetaki A, Zhang Z, Wang W, Jiang Z, Gao C, Ma B, **Chen YG**, Cockerill GW, Hu Y, Xu Q, Zeng L 2013 XBP1 mRNA splicing triggers an autophagic response in endothelial cells through Beclin-1 transcriptional activation. *Journal of Biological Chemistry*, 288(2):859-72.
 73. Yu J, He X, **Chen YG**, Hao Y, Yang S, Wang L, Pan L, Tang H 2013 Myotubularin-related protein 4 (MTMR4) attenuates BMP/Dpp signaling by dephosphorylation of Smad proteins. *Journal of Biological Chemistry*, 288(1):79-88.
 74. Li Z, **Chen YG**[#] 2013 Functions of BMP signaling in embryonic stem cell fate determination. *Experimental Cell Research*, 319:113-119. (Review)
 75. Zhang H, Zhang YW, Chen Y, Huang X, Zhou F, Wang W, Xian B, Zhang X, Masliah E, Chen Q, Han JD, Bu G, Reed J, Liao FF, **Chen YG**[#], Xu H[#] 2012 Apoptosis is a novel proapoptotic protein and mediates cell death in neurodegeneration. *Journal of Neuroscience*, 32:155565-155576.
 76. Zhao B, Wang Q, Du J, Luo S, Xia J, **Chen YG**[#] 2012 PICK1 promotes caveolin-dependent degradation of TGF- β type I receptor, *Cell Research*, 22:1467-1478.
 77. Klionsky DJ,.....**Chen YG**..... 2012 Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, 8:445-544.
 78. Shi Y, Ding Y, Lei YP, Yang XY, Xie GM, Wen J, Cai CQ, Li H, Chen Y, Zhang T, Wu BL, Jin L, **Chen YG**[#], Wang HY[#] 2012 Identification of novel rare mutations of DACT1 in human neural tube defects. *Human Mutation*, 33:1450-1455.
 79. Li Z and **Chen YG**[#] 2012 Fine-tune of intrinsic ERK activity by extrinsic BMP signaling in mouse embryonic stem cells. *Protein Cell*, 3:401-404. (Perspective)
 80. Kua HY, Liu H, Leong WF, Li L, Jia D, Ma G, Hu Y, Wang X, Chau JFL, **Chen YG**, Mishina Y, Boast S, Yeh J, Xia L, Chen GQ, He L, Goff SP, Li B[#] 2012 c-Abl promotes osteoblast expansion by differentially regulating canonical and non-canonical BMP pathways and p16INK4a expression. *Nature Cell Biology*, 14:727-737.
 81. Chau JFL, Jia D, Wang Z, Liu Z, Hu Y, Zhang X, Jia H, Lai KP, Leong WF, Au BJ, Mishina Y, **Chen YG**, Biondi C, Robertson E, Xie D, Liu H, He L, Wang X, Yu Q, Li B[#] 2012 A crucial role for bone morphogenetic protein-Smad1 signalling in the DNA damage response. *Nature Communications*, 3:836.
 82. Xiang H, Feng Y, Wang J, Liu B, **Chen YG**, Liu L, Deng X, Yang M[#] 2012 Crystal structures reveal the multi-ligand binding mechanism of Staphylococcus aureus ClfB". *PLoS Pathogens*, 8:e1002751.
 83. Yan X, Zhang J, Sun Q, Tuazon PT, Wu X, Traugh JA, **Chen YG**[#] 2012 p21-activated kinase 2 (PAK2) inhibits TGF- β signaling in Madine-Darby canine kidney (MDCK) epithelial cells by interfering with the receptor-Smad interaction. *Journal of Biological Chemistry*, 287: 13705-13712.
 84. Huang F, **Chen YG**[#] 2012 Regulation of TGF- β receptor activity. *Cell & Bioscience* 2012,

- 2:9 (Review)
85. **Chen YG[#]**, Li Z, Wang XF[#] 2012 Where PI3K/Akt meets Smads: The crosstalk determines human embryonic stem cell fate. *Cell Stem Cell*, 10:231-232. (Preview)
 86. Li Z, Fei T, Zhang J, Zhu G, Wang L, Lu D, Chi X, Teng Y, Hou N, Yang X, Zhang H, Han JD, **Chen YG[#]** 2012 BMP4 signaling acts via Dual Specificity Phosphatase 9 to control ERK activity in mouse embryonic stem cells. *Cell Stem Cell*, 10:171-182.
 87. Tao R, Chen H, Gao C, Xue P, Yang F, Han JD, Zhou B, **Chen YG[#]** 2011 Xbp1-mediated histone H4 deacetylation contributes to DNA double-strand break repair in yeast. *Cell Research*, 21:1619-1633.
 88. Yan X, Zhang Y, Pan L, Wang P, Xue H, Zhang L, Gao X, Zhao X, Ning Y, **Chen YG[#]** 2011 TSC-22 promotes TGF- β -mediated cardiac myofibroblast differentiation by antagonizing Smad7 activity. *Molecular and Cellular Biology*, 31:3700-3709.
 89. Xie Z, Chen Y, Li Z, Bai G, Zhu Y, Yan R, Tan F, **Chen YG**, Guillemot F, Li L, Jing N. 2011 Smad6 promotes neuronal differentiation in the intermediate zone of the dorsal neural tube by inhibition of the Wnt/ β -catenin pathway. *Proc Natl Acad Sci. USA*, 108:12119-12124.
 90. Geng Y, Dong Y, Yu M, Zhang L, Yan X, Sun J, Qiao L, Geng H, Nakajima M, Furuichi T, Ikegawa S, Gao X, **Chen YG[#]**, Jiang D[#], Ning W[#] 2011 Fstl1 Is a BMP4 Signaling Antagonist in Controlling Mouse Lung Development. *Proc Natl Acad Sci. USA*, 108(17):7058-63.
 91. Chen H, Liu L, Ma B, Ma TM, Hou JJ, Xie GM, Wu W, Yang FQ, **Chen YG[#]** 2011 Protein kinase A-mediated 14-3-3 association impedes human Dapper1 to promote Dishevelled degradation. *Journal of Biological Chemistry*, 286:14870-14880.
 92. Yan X, **Chen YG[#]** 2011 Smad7: not only a regulator, but also a cross-talk mediator of TGF- β signaling. *Biochemical Journal*, 434:1-10. (Review)
 93. Gao C, **Chen YG[#]** 2011 Selective removal of Dishevelled by autophagy: a role of p62. *Autophagy*, 7:20-21. (Punctum)
 94. Sun Y, Fei T, Yang T, Zhang F, **Chen YG**, Li H, Xu Z[#] 2010 The suppression of CRMP2 expression by BMP-Smad gradient signaling controls multiple stages of neuronal development. *Journal of Biological Chemistry*, 285:39039-50.
 95. Fei T, Zhu S, Xia K, Zhang J, Li Z, Han JD[#], **Chen YG[#]** 2010 Smad2 mediates Activin/Nodal signaling in mesendoderm differentiation of mouse embryonic stem cells. *Cell Research*, 20:1306-1318.
 96. Sheng N, Xie Z, Wang C, Zhang K, Zhu Q, Guillemot F, **Chen YG**, Lin A, Jing N[#] 2010 Retinoic acid regulates bone morphogenetic protein signal duration by promoting the degradation of phosphorylated Smad1. *Proc Natl Acad Sci. USA*, 107:18886-91.
 97. Zhang W, Yuan J, Yang Y, Xu L, Wang Q, Zuo W, Fang X[#], **Chen YG[#]** 2010 Monomeric Type I and Type III Transforming Growth Factor- β Receptors and Their Dimerization. *Cell Research*, 20:1216-1223.
 98. Gao C, Cao W, Bao W, Zuo W, Xie G, Cai T, Fu W, Zhang J, Wu W, Zhang X, **Chen YG[#]** 2010 Autophagy negatively regulates Wnt signaling by promoting Dishevelled degradation. *Nature Cell Biology*, 12:781-790.
 99. Fei T, **Chen YG[#]** 2010 Regulation of embryonic stem cell self-renewal and differentiation by TGF- β family signaling. *Science China Life Science*, 53: 497-503. (Review)
 100. Wen J, Chiang YJ, Gao C, Xue H, Xu J, Ning Y, Hodes RJ, Gao X, **Chen YG[#]**. 2010 Loss of Dact1 disrupts PCP signaling by altering Dishevelled activity and leads to posterior malformation in mice. *Journal of Biological Chemistry*, 285:11023-11030.
 101. Wang Y, Fu Y, Gao L, Zhu G, Liang J, Gao C, Huang B, Fenger U, Niehrs C, **Chen YG**,

- Wu W[#], 2010 Xenopus Skip modulates Wnt/ β -catenin signaling and functions in neural crest induction. *Journal of Biological Chemistry*, 285:10890-10901.
102. Gao C, **Chen YG[#]** 2010 Dishevelled: the hub of Wnt signaling. *Cellular Signaling*, 22:717-727. (Review)
 103. Yu J, Pan L, Qin X, Chen H, Xu Y, **Chen YG**, Tang H[#] 2010 MTMR4 Attenuates TGF- β Signaling by Dephosphorylating R-Smads in Endosomes. *Journal of Biological Chemistry*, 285:8454-8462.
 104. Fei F, Xia K, Li Z, Zhou B, Zhu S, Chen H, Zhang J, Chen Z, Xiao H, Han JD[#], **Chen YG[#]** 2010 Genome-wide Mapping of Smad Target Genes Reveals the Role of BMP Signaling in Embryonic Stem Cell Fate Determination. *Genome Research*, 20:36-44.
 105. **Chen YG[#]**, Wang, XF[#] 2009 Finale: the last minutes of Smads. *Cell*, 139:658-670. (Preview)
 106. Yan X, Lin L, Chen F, Zhao X, Chen H, Ning Y, **Chen YG[#]** 2009 Human BAMBI cooperates with Smad7 to inhibit TGF- β signaling. *Journal of Biological Chemistry*, 284:30097-30104.
 107. Zhang W, Jiang Y, Wang Q, Ma X, Xiao Z, Zuo W, Fang X[#], **Chen YG[#]** 2009 Single molecule imaging reveals transforming growth factor- β -induced type II receptor dimerization. *Proc Natl Acad Sci. USA*, 106:15679-15683.
 108. Yan X, Zhang J, **Chen YG[#]** 2009 Regulation of TGF- β Superfamily Signaling by Inhibitory Smads. *Chinese Journal of Cell Biology* 2009, 31(2): 135-144. (Chinese) (Review)
 109. Yan X, Liu Z, **Chen YG[#]** 2009 Regulation of TGF- β signaling by Smad7. *Acta Biochimica et Biophysica Sinica*, 41:263-272. (Review)
 110. Zuo W, **Chen YG[#]** 2009 Specific activation of MAPK by TGF- β receptors in lipid rafts is required for epithelial cell plasticity. *Molecular Biology of the Cell*, 20:1020-1029.
 111. **Chen YG**, Wang XF 2009 A special issue on TGF- β signaling. *Cell Research*, 19:1-2. (Editorial)
 112. **Chen YG[#]** 2009 Endocytic regulation of TGF- β signaling. *Cell Research*, 19:58-70. (Review)
 113. Gao X, Wen J, Zhang L, Li X, Ning Y, Meng A, **Chen YG[#]**. 2008 Dapper1 is a nucleocytoplasmic shuttling protein that negatively modulates Wnt signaling in the nucleus. *Journal of Biological Chemistry*, 283:35679-35688.
 114. Shi X, Chen F, Yu J, Xu Y, Zhang S, **Chen YG**, Fang X 2008 Study of interaction between Smad7 and DNA by single-molecule force spectroscopy. *Biochemical and Biophysical Research Communications*, 377:1284-1287.
 115. Lin Z, Gao C, Ning Y, He X, Wu W, **Chen YG[#]** 2008 The pseudoreceptor BMP and activin membrane-bound inhibitor positively modulates Wnt/ β -catenin signaling. *Journal of Biological Chemistry*, 283:33053-33058.
 116. Zhao X, Nicholls JM, **Chen YG[#]** 2008 SARS-CoV nucleocapsid protein interacts with Smad3 and modulates TGF- β signaling. *Journal of Biological Chemistry*, 283:3272-3280.
 117. Wang Q, Huang Z, Xue H, Jin C, Ju XL, Han JD, **Chen YG[#]** 2008 MicroRNA miR-24 inhibits erythropoiesis by targeting activin type I receptor ALK4. *Blood*, 111:588-595.
 118. Yu J, Wang Q, Shi X, Ma X, Yang H, **Chen YG**, Fang X 2007 Single-molecule force spectroscopy study of interaction between transforming growth factor β and its receptor in living cells. *Journal of Physical Chemistry B*, 111:13619-13625.
 119. Gao X, Chen X, **Chen YG[#]** 2007 Progress in the research of Dapper in development and signaling pathway. *Chinese Bulletin of Life Sciences*, 19:471-476. (Chinese) (Review)
 120. Lin X, **Chen YG**, Meng A, Feng XH 2007 Termination of TGF- β Superfamily Signaling Through SMAD Dephosphorylation-A Functional Genomic View. *Journal of Genetics*

- and Genomics*, 34(1): 1-9.
121. Zhang S, Fei T, Zhang L, Zhang R, Chen F, Ning Y, Han Y, Feng XH, Meng A, **Chen YG[#]** 2007 Smad7 antagonizes TGF- β signaling in the nucleus by interfering with functional Smad-DNA complex formation. *Molecular and Cellular Biology*, 27:4488-4499.
 122. Ma X, Wang Q, Jiang Y, Xiao Z, Fang X[#], **Chen YG[#]** 2007 Lateral diffusion of TGF- β type I receptor studied by single-molecule imaging. *Biochemical and Biophysical Research Communications*, 356:67-71.
 123. Diao L, **Chen YG[#]** 2007 PTEN, a general negative regulator of cyclin D expression. *Cell Research*, 17:291-292.
 124. Huang W, Chang HY, Fei T, Wu H, **Chen YG[#]** 2007 GSK3 β mediates suppression of cyclin D2 expression by tumor suppressor PTEN. *Oncogene*, 26:2471-2482.
 125. **Chen YG[#]**, Wang Z, Ma J, Zhang L, Lu Z 2007 Endofin, a FYVE domain protein, interacts with Smad4 and facilitates TGF- β signaling. *Journal of Biological Chemistry*, 282:9688-9695.
 126. Su Y, Zhang L, Gao X, Meng F, Wen J, Zhou H, Meng A[#], **Chen YG[#]** 2007 The evolutionally conserved activity of Dapper2 in antagonizing TGF- β signaling. *FASEB Journal*, 21:682-690.
 127. Ma J, Wang Q, Fei T, Han JD, **Chen YG[#]** 2007 MCP-1 mediates TGF- β -induced angiogenesis by stimulating vascular smooth muscle cell migration. *Blood*, 109:987-994. (Commented on *Blood*, 109:849)
 128. Xia K, Xue H, Dong D, Zhu S, Wang J, Zhang Q, Hou L, Chen H, Tao R, Huang Z, Fu Z, **Chen YG**, Han JD 2006 Identification of the Proliferation/Differentiation Switch in the Cellular Network of Multicellular Organisms. *PLoS Computational Biology*, 2:1482-1497.
 129. Xiong B, Rui Y, Zhang M, Shi K, Jia S, Tian T, Yin K, Huang H, Lin S, Zhao X, Chen Y, **Chen YG**, Lin SC, Meng A 2006 Tob1 Controls Dorsal Development of Zebrafish Embryos by Antagonizing Maternal β -Catenin Transcriptional Activity *Developmental Cell*, 11:225-238.
 130. Wang C, Xia C, Bian W, Liu L, Lin W, **Chen YG**, Ang SL, Jing N 2006 Cell Aggregation-induced FGF8 Elevation Is Essential for P19 Cell Neural Differentiation. *Molecular Biology of Cell*, 17:3075-3084.
 131. Sun Z, Jin P, Tian T, Gu Y, **Chen YG**, Meng A 2006 Activation and roles of ALK4/ALK7-mediated maternal TGF- β signals in zebrafish embryo. *Biochemical and Biophysical Research Communications*, 345: 694-703.
 132. Lin X, Duan X, Liang Y.Y., Su Y, Wrighton KH, Long J, Hu M, Davis CM, Wang J, Brunnicardi FC, Shi Y, **Chen Y.G.**, Meng A and Feng, X.H. 2006 PPM1A functions as a Smad phosphatase to terminate TGF- β signaling. *Cell*, 125:915-928.
 133. **Chen YG**, Wang Q, Lin SL, Chang CD, Chung J, Ying SY 2006 Activin signaling and its role in regulation of cell proliferation, apoptosis, and carcinogenesis. *Experimental Biology and Medicine* (Maywood), 231(5):534-44. (Review)
 134. Liu W, Rui H, Wang J, Lin S, He Y, Chen M, Li Q, Ye Z, Zhang S, Chan SC, **Chen YG**, Han J, Lin SC 2006 Axin is a scaffold protein in TGF- β signaling that promotes degradation of Smad7 by Arkadia. *EMBO Journal*, 25:1646-1658.
 135. Zhang L, Gao X, Wen J, Ning Y, **Chen YG[#]** 2006 Dapper 1 antagonizes Wnt signaling by promoting Dishevelled degradation. *Journal of Biological Chemistry*, 281:8607-8612.
 136. Gu Y, Jin P, Zhang L, Zhao X, Gao X, Ning Y, Meng A, **Chen YG[#]** 2006 Functional analysis of mutations in the kinase domain of the TGF- β receptor ALK1 reveals different mechanisms for induction of hereditary hemorrhagic telangiectasia. *Blood*, 107:1951-1954. .

137. Wu X, Ma J, Han JD, Wang N, **Chen YG[#]** 2006 Distinct regulation of gene expression in human endothelial cells by TGF- β and its receptors. *Microvascular Research*, 71:12-19.
138. Wang J, Xu N, Feng X, Hou N, Zhang J, Cheng X, **Chen YG**, Zhang Y, Yang X 2005 Targeted disruption of Smad4 in cardiomyocytes results in cardiac hypertrophy and heart failure. *Circulation Research*, 97:821-828.
139. Zhou F., Li, Z., Wang, W., Liu, R., Hong, S., Xu, H. and **Chen, Y.G[#]** 2005 A study of AID interacting proteins by yeast two-hybrid. *Journal of Xiamen University (Natural Sciences)*, 44:299-303. (Chinese)
140. Li Z, Wang W, Zhou F, Gao X, Peng G, Xu H, **Chen YG[#]** 2005 Interactions of Stathmin-like 2 protein with the APP intracellular domain. *Tsinghua Science and Technology*, 10:484-488.
141. Wang, W., Li, Z., Liu, R., Hong, S., Xu, H. and **Chen, Y.G[#]** 2005 The interaction of the interacellular domain of b-amyloid precursor protein with JKTBP2. *Acta Biologicae Experimentalis Sinica*, 38:164-170. (Chinese)
142. **Chen YG**, Meng A M 2004 Negative regulation of TGF- β signaling in development. *Cell Research*, 14:441-449. (Review)
143. Zhang L, Zhou H, Su Y, Sun S, Zhang H, Zhang L, Zhang Y, Ning Y, **Chen YG[#]**, Meng A[#] 2004 Zebrafish Dpr2 inhibits mesoderm induction by promoting degradation of Nodal receptors. *Science*, 306:114-117.
144. Wang Z, Ren L, Zhao X, Hung T, Meng A, Wang J, **Chen YG[#]** 2004 Inhibition of SARS virus replication by small interfering RNAs in mammalian cells. *Journal of Virology*, 78:7523-7527.
145. Zhao X, Han J, Ning Y, Meng A, **Chen YG[#]** 2003 Bioinformatics analysis of putative gene products encoded in SARS-HCoV genome. *Tsinghua Science and Technology*, 8:389-394.
146. Lu Z, Murray JT, Luo W, Li H, Wu X, Xu H, Backer JM, **Chen YG[#]** 2002 Transforming growth factor β activates Smad2 in the absence of receptor endocytosis. *Journal of Biological Chemistry*, 277:29363-29368.
147. **Chen YG**, Liu HM, Lin SL, Lee JM, Ying SY 2002 Regulation of cell proliferation, apoptosis and carcinogenesis by activin. *Experimental Biology and Medicine*, 227:75-87. (Review)
148. Huse M, Muir TW, Xu L, **Chen YG**, Kuriyan J, Massague J 2001 The TGF- β receptor activation process: An inhibitor- to substrate-binding switch. *Molecular Cell*, 8:671-682.
149. Gouedard L, **Chen, YG**, Thevenet L, Racine C, Borie S, Lamarre I, Josso N, Massague J, di Clemente N 2000 Engagement of bone morphogenetic protein type IB receptor and Smad1 signaling by anti-Mullerian hormone and its type II receptor. *Journal of Biological Chemistry*, 275:27973-27978.
150. Xu L, **Chen YG**, Massagué J. 2000 The nuclear import function of Smad2 is masked by SARA and unmasked by TGF- β -dependent phosphorylation. *Nature Cell Biology*, 2:559-562.
151. Massagué J, **Chen YG** 2000 Controlling TGF- β signaling. *Genes & Development*, 14:627-644. (Review)
152. Wu G*, **Chen YG***, Ozdamar B, Gyuricza C, Chong PA, Wrana JL, Massagué J, Shi Y. 2000 Structural basis of Smad2 recognition by the Smad Anchor for Receptor Activation. *Science*, 287:92-97. (* contributed equally) (Research Article)
153. Pasche B, Kolachana P, Nafa K, Satagopan J, **Chen YG**, Lo RS, Brener D, Yang D, Kirstein L, Oddoux C, Ostrer H, Vineis P, Varesco L, Jhanwar S, Luzzatto L, Massagué J,

- Offi K. 1999 T β R-I(6A) is a candidate tumor susceptibility allele. *Cancer Research*, 59:5678-5682.
154. Onichtchouk D*, **Chen YG***, Dosch, R, Gawantka V, Delius H, Massagué J, Nierhs C 1999 Silencing of TGF- β signalling by the pseudoreceptor BAMBI. *Nature*, 401:480-485. (* contributed equally)
155. **Chen YG**, Massagué J 1999 Smad1 recognition and activation by the ALK1 group of transforming growth factor- β family receptors. *Journal of Biological Chemistry*, 274:3672-3677.
156. Huse M, **Chen YG**, Massagué J, Kuriyan J 1999 Crystal structure of the cytoplasmic domain of the type I TGF- β receptor in complex with FKBP12. *Cell*, 96:425-436.
157. **Chen YG***, Hata A*, Lo RS, Wotton D, Shi Y, Pavletich NP, Massagué J 1998 Determinants of specificity in TGF- β signal transduction. *Genes & Development*, 12:2144-2152. (* contributed equally)
158. Lo RS*, **Chen YG***, Shi Y, Pavletich NP, Massagué J 1998 The L3 loop: a structural motif determining specific interactions between SMAD proteins and TGF- β receptors. *EMBO Journal*, 17:996-1005. (* contributed equally)
159. **Chen YG**, Liu F, Massagué J 1997 Mechanism of TGF- β receptor inhibition by FKBP12. *EMBO Journal*, 16:3866-3876.
160. **Chen YG**, Siddhanta A, Austin CD, Hammond SM, Sung TC, Frohman MA, Morris AJ, Shields D 1997 Phospholipase D stimulates release of nascent secretory vesicles from the trans-Golgi network. *Journal of Cell Biology*, 138:495-504.
161. **Chen YG**, Shields D. 1996 ADP-ribosylation factor-1 stimulates formation of nascent secretory vesicles from the trans-Golgi network of endocrine cells. *Journal of Biological Chemistry*, 271:5297-5300.
162. **Chen YG**, Danoff A, Shields D 1995 The propeptide of Anglerfish preprosomatostatin-I rescues prosomatostatin-II from intracellular degradation. *Journal of Biological Chemistry*, 270:18598-18605.
163. Davis GM, Liu YY, **Chen YG** 1990 New genus of Triculinae (Prosobranchia: Promatiopsidae) from China: phylogenetic relationships. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 142:143-165.
164. **Chen, Y.G.** 1988 The biology of the freshwater snail *Parafossarulus eximius* (Frauenfeld) in Poyang Lake, Jiangxi, China. *Acta Hybriobiologia Sinica*, 12 (2): 97-106. (Chinese)
165. **Chen, Y.G.** 1988 The freshwater snails of Poyang Lake and its surrounding waters, Jiangxi Province, China. *Sinozoologia*, 6:69-75. (Chinese)

BOOK/BOOK CHAPTER

1. **Chen, YG**, Zhang C., Chen Q. (Editors), 2019, 《Molecular Cell Biology》 (3rd Edition), Higher Education Press. (Chinese)
2. **Chen, YG**, Zhang C., Chen Q. (Editors), 2011, 《Molecular Cell Biology》 (2nd Edition), Tsinghua University Press. (Chinese)
3. Zuo W, Zhao X, **Chen YG**. 2010 SARS-CoV and lung fibrosis. in “Molecular Biology of the SARS-Coronavirus” (Edited by Sunil Lal), Springer Publishing.
4. Lin X, **Chen YG**, Feng XH 2008 Transcriptional Control via Smads, in “The TGF- β Family” (Edited by Derynck R, Miyazono K), Cold Spring Harbor Laboratory Press, New York, pp. 287-332.
5. **Chen, YG** 2005 Endocytosis and Signal transduction, in "Biomembrane" (Editor: Yang, FY), Science Press, Beijing, pp.285-296.

6. **Chen, YG** 2003. Construction of a normalized cDNA library by mRNA-cDNA hybridization and subtraction, in "Methods in Molecular Biology", vol. 221: Generation of cDNA Libraries: Methods and Protocols (Editor: Ying, S. Y.), Humana Press, Totowa, New Jersey, pp.33-40.
7. **Chen, YG**, Zhang C., Chen Q. (Editors), 2006, 《Molecular Cell Biology》, Tsinghua University Press. (Chinese)