

# CURRICULUM VITAE

Personal Information			
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<div style="background-color: #00b050; color: black; padding: 2px;">Research Interest</div> <p>My research interests mainly focus on molecular basis of animal fat deposition and pork quality, and include the following aspects:</p> <ul style="list-style-type: none"> <li>(1) Functional analysis of obesity-related genes in hepatocytes and fat cells</li> <li>(2) Adipocyte and myocyte differentiation</li> <li>(3) Fat metabolism disorder or metabolic diseases</li> <li>(4) Improvement of pork quality</li> </ul>			
<div style="background-color: #00b050; color: black; padding: 2px;">Education &amp; Working Experience</div> <p><b>Education:</b></p> <p><b>B.S. 9/1994-6/1998:</b> Animal Science, at the College of Animal Science and Technology, Hunan Agricultural University, P.R.China</p> <p><b>Ph.D. 9/1998-6/2004:</b> Biochemistry and Molecular Biology, at the College of Life Science and Technology, Huazhong Agricultural University, P.R.China</p> <p><b>Working Experience:</b></p> <p><b>Nov. 2018- Now:</b> work as a teacher in College of Animal Science and Technology, College of Veterinary Medicine, Huazhong Agricultural University, P.R. China</p> <p><b>Jun. 2004-Oct. 2018:</b> work as a teacher in College of Life Science and Technology, Huazhong Agricultural University, P.R. China</p> <p><b>Jun. 2004- now:</b> work as a researcher in Animal Biochemistry Laboratory, Key Laboratory of Ministry of Education, Huazhong Agricultural University, P.R. China</p> <p><b>Nov. 2013-Nov. 2014:</b> Work as a visiting scholar in Department of Animal Science, Cornell University, USA</p>			

## Publications

1. LL Zhou, QJ Li, A Chen, N Liu, N Chen, XJ Chen, L Zhu, BZXia, YQ Gong, **XD Chen\***. KLF15-activating Twist2 ameliorated hepatic steatosis by inhibiting inflammation and improving mitochondrial dysfunction via NF-kB–FGF21 or SREBP1c-FGF21 pathway. *FASEB J.* 2019; 33:14254-14269.
2. **Chen XD**, Zhao ZP, Zhou JC, Lei XG. Evolution, regulation, and function of porcine selenogenome. *Free Radical Biology and Medicine.* 2018; 127: 116-123.
3. Zheng HL, Dong XK, Liu N, Xia WM, Zhou LL, Chen XJ, Yang ZQ, **Chen XD\***. Regulation and mechanism of mouse miR-130a/b in metabolism-related inflammation. *Int J Biochem Cell Biol.* 2016; 74: 72-83.
4. Yu, RH Zhou, BZ Xia, WW Dang, ZQ Yang, **XD Chen\***. NAMPT maintains mitochondria content via NRF2-PPAR $\alpha$ /AMPK $\alpha$  pathway to promote cell survival under oxidative stress. *Cellular Signaling* 2020; 66: 109496-109508.
5. DY Zhu, L Xu, X Wei, BZ Xia, YQ Gong, QJ Li, **XD Chen\***. PPAR $\gamma$  enhanced Adiponectin polymerization and trafficking by promoting RUVBL2 expression during adipogenic differentiation. *Gene* 2021; 764: 145100-145108.
6. A Yu, Y Zheng, YQ Gong, RF Yu, ZQ Yang, **XD Chen\***. Adiponectin promotes myogenic differentiation via a Mef2C-AdipoR1 positive feedback loop. *Gene.* 2021; 771: 145380-145387.
7. SB Wang, LL Zhou, T Lei, CP Zeng, HL Zheng, N Liu, ZQ Yang, **XD Chen\***. Functional analysis and transcriptional regulation of porcine six transmembrane epithelial antigen of prostate 4 (STEAP4) gene and its novel variant in hepatocytes. *Int J Biochem Cell Biol.* 2013; 45:612-620.
8. Y. Zhang, T. Lei, J.F. Huang, S.B. Wang, L.L. Zhou, Z.Q. Yang, **X.D. Chen\***. The link between fibroblast growth factor 21 and sterol regulatory element binding protein 1c during lipogenesis in hepatocytes. *Molecular and Cellular Endocrinology* 2011; 342: 41-47.
9. Lei T, Bi Y, Gao MJ, Gao SM, Zhou LL, Zheng HL, **Chen XD\***. HES1 inhibits adipogenesis of porcine mesenchymal stem cells via transcriptional repression of FAD24. *Domest Anim Endocrinol.* 2013; 45: 28-32.
10. **Chen XD**, Chen YL, Wang SB, Lei T, Gan L, Yang ZQ. Molecular Characterization and functional analysis of porcine macrophage migration inhibitory factor (MIF) gene. *Cytokine.* 2010; 50: 84-90.
11. **Chen XD**, Lei T, Xia T, Gan L, Yang ZQ. Increased expression of resistin and tumour necrosis factor-alpha in pig adipose tissue as well as effect of feeding treatment on resistin and cAMP pathway. *Diabetes Obes Metab.* 2004; 6: 271-279.