

Ya-Xiong Tao, PhD
Selected Publications as of 07/14/16

Books Edited (Six volumes):

Volume 140 in Progress in Molecular Biology and Translational Science, *Genetics of Monogenic and Syndromic Obesity*, published by Elsevier in 2016. Series Editor: P. Michael Conn.

Volume 121 in Progress in Molecular Biology and Translational Science, *Glucose Homeostasis and Pathogenesis of Diabetes Mellitus*, published by Elsevier in 2014. Series Editor: P. Michael Conn.

Volume 70 in Advances in Pharmacology, *Pharmacology and Therapeutics of Constitutively Active Receptors*, published by Elsevier in 2014. Series Editor: Sam J. Enna.

Volume 114 in Progress in Molecular Biology and Translational Science, *G Protein-coupled Receptors in Energy Homeostasis and Obesity Pathogenesis*, published by Elsevier in 2013. Series Editor: P. Michael Conn.

Volumes 88 and 89 in Progress in Molecular Biology and Translational Science, *G Protein-Coupled Receptors in Health and Disease*, volumes A and B, published by Elsevier in 2009. Series Editor: P. Michael Conn.

Publications:

Li L, Liang XF, He S, Sun J, Wen ZY, Shen D, **Tao YX**. Genomic structure, tissue expression and single nucleotide polymorphisms of lipoprotein lipase and hepatic lipase genes in Chinese perch. *Aquaculture Nutr* 22:786-800, 2016.

Yuan XC, Li AX, Liang XF, Huang W, Song Y, He S, Cai WJ, **Tao YX**. Leptin expression in mandarin fish *Siniperca chuatsi* (Basilewsky): Regulation by postprandial and short-term fasting treatment. *Comp Biochem Physiol A* 194:8-18, 2016.

Li AX, Yuan XC, Liang XF, Liu LW, Li J, Li B, Fang JG, Li J, He S, Xue M, Wang J, **Tao YX**. Adaptations of lipid metabolism and food intake in response to low and high fat diets in juvenile grass carp (*Ctenopharyngodon idellus*). *Aquaculture* 457:43-49, 2016.

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Wang ZQ, Wang W, Shi L, Chai JT, Zhang XJ, **Tao YX**. Molecular cloning and pharmacological characterization of giant panda (*Ailuropoda melanoleuca*) melanocortin-4 receptor. *Gen Comp Endocrinol* 229:32-40, 2016.

Li JT, Yang Z, Chen HP, Zhu CH, Deng SP, Li GL, **Tao YX**. Molecular cloning, tissue distribution, and pharmacological characterization of melanocortin-4 receptor in spotted scat, *Scatophagus argus*. *Gen Comp Endocrinol* 230-231:143-152, 2016.

- Yang Z, **Tao YX**. Biased signaling initiated by Agouti-related peptide through human neural melanocortin receptors. *Biochim Biophys Acta* 1862:1485-1494, 2016.
- Xiong Q, Chai J, Chen M, **Tao YX**. Identification and pharmacological analyses of eight naturally occurring caprine melanocortin-1 receptor mutations in three different goat breeds. *Gen Comp Endocrinol* 235:1-10, 2016.
- Song TX, Zhou YF, Peng J, **Tao YX**, Yang Y, Xu T, Peng J, Ren J, Xiang QH, Wei HK. GPR120 promotes adipogenesis through intracellular calcium and extracellular signal-regulated kinase 1/2 signal pathway. *Mol Cell Endocrinol* 434:1-13, 2016.
- Wang ZQ, Huang JS, Zhou JH, Lin S, Jiang XF, **Tao YX**. Pharmacological analyses of four chicken melanocortin-4 receptor mutations. *Domest Anim Endocrinol* 54:68-75, 2016.
- Bradley JM, Islam KN, Polhemus DJ, Donnarumma E, Brewster LP, **Tao YX**, Goodchild TT, Lefer DJ. Sustained release nitrite therapy results in myocardial protection in a porcine model of metabolic syndrome with peripheral vascular disease. *Am J Physiol Heart Circ* 309:H305-H317, 2015.
- Yang Z, Huang ZL, **Tao YX**. Functions of DPLIY motif and helix 8 of human melanocortin-3 receptor. *J Mol Endocrinol* 55:107-117, 2015.
- Cheng, XY, He S, Liang XF, Song Y, Yuan XC, Li L, Wen ZY, Cai WJ, **Tao YX**. Molecular cloning, expression and single nucleotide polymorphisms of protein phosphatase 1 (PP1) in mandarin fish (*Siniperca chuatsi*). *Comp Biochem Physiol B* 189:69-79, 2015.
- Li L, Liang XF, He S, Sun J, Wen ZY, He YH, Cai WJ, Wang YP, **Tao YX**. Transcriptome analysis of grass carp (*Ctenopharyngodon idella*) fed with animal and plant diets. *Gene* 574:371-379, 2015.
- Yang F, Huang H, **Tao YX**. Biased signaling in naturally occurring mutations in human melanocortin-3 receptor gene. *Int J Biol Sci* 11:423-433, 2015.
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- Yuan XC, Cai WJ, Liang XF, Su H, Yuan YC, Li AX, **Tao YX**. Obestatin partially suppresses ghrelin stimulation of appetite in “high-responders” in grass carp, *Ctenopharyngodon idellus*. *Comp Biochem Physiol A* 184:144-149, 2015.
- Wen ZY, Liang XF, He S, Li L, Shen D, **Tao YX**. Molecular cloning and tissue expression of uncoupling protein 1, 2 and 3 genes in Chinese perch (*Siniperca chuatsi*). *Comp Biochem Physiol B* 185:24-33, 2015.
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mutations in the melanocortin-4 receptor gene. *Int J Biol Sci* 10:1128-1137, 2014.

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preference in hybrid F1 of *Siniperca chuatsi* (♀) x *Siniperca scherzeri* (♂) mandarin fish through transcriptome analysis. *BMC Genomics* 14:601, 2013.

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