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副教授，硕士生导师

南昌大学“215 人才工程”赣江青年学者

● 教育和工作背景:

- 2000/09-2005/07 宁夏医学院，临床医学专业，医学学士；
- 2005/09-2010/12 中国科学技术大学，神经生物学专业，理学博士；
- 2007/03-2007/09 荷兰神经科学研究所，访问学者；
- 2008/06-2009/06 荷兰神经科学研究所，访问学者；
- 2011/10-2014/06 上海交通大学医学院，博士后；
- 2014/07-2015/11 南昌大学第一附属医院，医学科研中心，助理研究员；
- 2015/12-至今 南昌大学，医学部，讲师、副教授。

● 研究兴趣、领域:

课题组主要致力于神经精神疾病分子机制的研究。近年来以第一作者或通讯作者在 *Brain*、*Human Molecular Genetics*、*Neuroscience* 等神经科学领域较有影响力的 SCI 杂志上发表多篇论文。

● 学术兼职:

中国神经科学学会会员，中国细胞生物学学会会员，江西省医学会病理学分会会员。

● 主要成果、荣誉、奖励（共同第一作者*，通讯作者#）:

- 1 Fei, E., Chen, P., Zhang, Q., Zhong, Y., and **Zhou, T.#** (2022) Protein kinase B/Akt1 phosphorylates dysbindin-1A at serine 10 to regulate neuronal development. *Neuroscience* **490**, 66-78
- 2 Su, R., and **Zhou, T.#** (2021) Alpha-Synuclein Induced Immune Cells Activation and Associated Therapy in Parkinson's Disease. *Front Aging Neurosci* **13**, 769506
- 3 Cui, Y., and **Zhou, T.#** (2021) Diagnostic Value of Urinary MicroRNAs for Bladder

Cancer in Asia. *J Coll Physicians Surg Pak* **31**, 1207-1213

- 4 Qin, X., Chen, J., and **Zhou, T.**[#] (2020) 22q11.2 deletion syndrome and schizophrenia. *Acta Biochim Biophys Sin (Shanghai)* **52**, 1181-1190
- 5 **Zhou, T.**, Wang, S., Ren, H., Qi, X. R., Luchetti, S., Kamphuis, W., Zhou, J. N., Wang, G.[#], and Swaab, D. F.[#] (2010) Dendritic cell nuclear protein-1, a novel depression-related protein, upregulates corticotropin-releasing hormone expression. *Brain* **133**, 3069-3079
- 6 Hui, T.*, Jing, H.*, **Zhou, T.***, Chen, P., Liu, Z., Dong, X., Yan, M., Ren, D., Zou, S., Wang, S., Fei, E., Hong, D., and Lai, X.[#] (2021) Increasing LRP4 diminishes neuromuscular deficits in a mouse model of Duchenne muscular dystrophy. *Hum Mol Genet* **30**, 1579-1590
- 7 Chen, J.*, **Zhou, T.***, Guo, A. M., Chen, W. B., Lin, D., Liu, Z. Y., and Fei, E. K.[#] (2020) Metformin Ameliorates Lipopolysaccharide-Induced Depressive-Like Behaviors and Abnormal Glutamatergic Transmission. *Biology (Basel)* **9**, 359
- 8 Lin D.*; Li L.*; Chen W. B.*; Chen J.; Ren D.; Zheng Z. H.; Zhao C.; Zhong Y.; Luo B.; Jing H.; Chen P.; Zou S.; Lai X.; Wang S.; **Zhou T.**; Ding N.; Li L.; Pan B. X.[#]; Fei E.[#] (2023) LHPP, a risk factor for major depressive disorder, regulates stress-induced depression-like behaviors through its histidine phosphatase activity. *Mol Psychiatry* **28**, 908-918
- 9 Lin D.*; Li L.*; Chen W. B.*; Chen J.; Ren D.; Zheng Z. H.; Zhao C.; Zhong Y.; Luo B.; Jing H.; Chen P.; Zou S.; Lai X.; Wang S.; **Zhou T.**; Ding N.; Li L.; Pan B. X.[#]; Fei E.[#] (2023) LHPP expression in neurons. *Mol Psychiatry* **28**, 517
- 10 Chen, P., Liu, Z., Zhang, Q., Lin, D., Song, L., Liu, J., Jiao, H. F., Lai, X., Zou, S., Wang, S., **Zhou, T.**, Li, B. M., Zhu, L., Pan, B. X., and Fei, E. (2022) DSCAM Deficiency Leads to Premature Spine Maturation and Autism-like Behaviors. *J Neurosci* **42**, 532-551
- 11 Li, N., **Zhou, T.**, and Fei, E.[#] (2022) Actions of Metformin in the Brain: A New Perspective of Metformin Treatments in Related Neurological Disorders. *Int J Mol Sci* **23**, 8281
- 12 Chen, P.*, Jing, H.*, Xiong, M., Zhang, Q., Lin, D., Ren, D., Wang, S., Yin, D., Chen, Y., **Zhou, T.**, Li, B., Fei, E.[#], and Pan, B. X.[#] (2021) Spine impairment in mice high-expressing neuregulin 1 due to LIMK1 activation. *Cell Death Dis* **12**, 403
- 13 Chen, W. B., Chen, J., Liu, Z. Y., Luo, B., **Zhou, T.**, and Fei, E. K.[#] (2020)

Metformin Enhances Excitatory Synaptic Transmission onto Hippocampal CA1 Pyramidal Neurons. *Brain Sci* **10**, 706

- 14 Wang, Y., Gao, Y., Tian, Q., Deng, Q., Wang, Y., **Zhou, T.**, Liu, Q., Mei, K., Wang, Y., Liu, H., Ma, R., Ding, Y., Rong, W., Cheng, J., Yao, J., Xu, T. L., Zhu, M. X., and Li, Y.[#] (2018) TRPV1 SUMOylation regulates nociceptive signaling in models of inflammatory pain. *Nat Commun* **9**, 1529
- 15 Chen, D., Li, Y. P., Yu, Y. X., **Zhou, T.**, Liu, C., Fei, E. K., Gao, F., Mu, C. C., Ren, H. G., and Wang, G. H.[#] (2018) Dendritic cell nuclear protein-1 regulates melatonin biosynthesis by binding to BMAL1 and inhibiting the transcription of N-acetyltransferase in C6 cells. *Acta Pharmacol Sin* **39**, 597-606
- 16 Fan, J., Ren, H., Jia, N., Fei, E., **Zhou, T.**, Jiang, P., Wu, M., and Wang, G.[#] (2008) DJ-1 decreases Bax expression through repressing p53 transcriptional activity. *J Biol Chem* **283**, 4022-4030

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