



## 胡贞贞 博士

南昌大学基础医学院副教授、硕士生导师

### ● 教育和工作背景:

2004 赣南医学院临床医学专业 学士

2007 中山大学医学院病理生理学 硕士

2012 韩国忠北国立大学药学专业 博士

2017-2018 中国科学院上海神经科学研究所 访问学者

2017-至今 南昌大学基础医学院 副教授、硕士生导师

### ● 研究兴趣、领域:

课题组致力于中脑边缘脑内多巴胺能和 GABA 能神经通路研究。从而为临床治疗相关神经精神疾病，如药物成瘾，老年痴呆，帕金森等疾病提供新的思路。近年来研究成果发表在本领域的国际期刊: *Behavioural Pharmacology* , *Neurochemistry international* , *Brain Research* , *PLoS One* , *Front Cell Neurosci.* , *Journal of Neurochemistry* 等。

### ● 代表性论文:

1 Xiong L, Meng Q, Sun X, Lu X, Fu Q, Peng Q, Yang J, Oh KW, **Hu Z**<sup>#</sup>. CART peptide in the nucleus accumbens shell inhibits cocaine-induced locomotor sensitization to transient overexpression of  $\alpha$ -Ca<sup>2+</sup>/Calmodulin-dependent Protein Kinase II. *J Neurochem.* 2018 Jan 4. doi: 10.1111/jnc.14289. (# Corresponding author)

2 Hu Q, **Hu Z**, Chen Q, Huang Y, Mao Z, Xu F, Zhou X. BML-111 equilibrated ACE-AngII-AT1R and ACE2-Ang-(1-7)-Mas axis to protect hepatic fibrosis in rats. *Prostaglandins Other Lipid Mediat.* 2017 Jul;131:75-82. doi: 10.1016/j.prostaglandins.2017.08.008.

3 Yu C, Zhou X, Fu Q, Peng Q, Oh KW, **Hu Z**<sup>#</sup>. A New Insight into the Role of CART in Cocaine Reward: Involvement of CaMKII and Inhibitory G-Protein Coupled Receptor Signaling. *Front Cell Neurosci.* 2017 Aug 15;11:244. doi: 10.3389/fncel. (#Corresponding Author)

4 Fu Q, Zhou XY, Dong Y, Huang YH, Yang JH, Oh KW, and **Hu Z<sup>#</sup>**. Decreased Caffeine-Induced Locomotor Activity via Microinjection of CART Peptide into the Nucleus Accumbens Is Linked to Inhibition of the pCaMKII $\alpha$ -D3R Interaction. 2016, PLoS One 11: e0159104 (**#Corresponding Author**)

5 **Hu ZZ**, Oh EH, Chung YB, Hong JT, and Oh KW. Predominant D1 Receptors Involvement in the Over-expression of CART Peptides after Repeated Cocaine Administration. 2015, Korean J Physiol Pharmacol 19:89-97

6 Peng QH, Sun X, Liu ZY, Yang JH, Oh KW, and **Hu Z<sup>#</sup>**. Microinjection of CART (cocaine- and amphetamine-regulated transcript) peptide into the nucleus accumbens inhibits the cocaine-induced upregulation of dopamine receptors and locomotor sensitization. 2014. Neurochemistry international 75: 105-111. (**#Corresponding Author**)

7 Cai ZY, Zhang DL, Ying Y, Yan M, Yang JH, Xu FY, Oh KW, and **Hu Z<sup>#</sup>**. Inhibitory Modulation of CART Peptides in Accumbal neuron through Decreasing Interaction of CaMKII $\alpha$  with Dopamine D3 receptors. 2014. Brain Research 1557: 101-110. (**#Corresponding Author**)

8 **Hu ZZ**, Lee CII, Han JY, Oh EH, Ryu JH, Hong JT, Kim YS and Oh KW. Caffeine induces behavioural sensitization and overexpression of cocaine-regulated and amphetamine-regulated transcript peptides in mice (2014). *Behavioural Pharmacology* **25**:32-43.

9 **Hu ZZ**, Lee Chung-II, Shah Vikash Kumar, Oh Eun-Hye, Han Jin-Yi, Bae Jae-Ryong, Lee Kinam, Chong yong-Soo, Hong Jin Tae, and Oh Ki-Wan. Cordycepin Increases Nonrapid Eye Movement Sleep via Adenosine Receptors in Rats (2013). *Evid-Based Complement Alternat Med*. **2013**:1-8

10 **Hu ZZ**, Park, K.S., Han, J.Y. et al. Markers in mophine- and cocaine-addicted animals (2011). *Biomol Ther*, 19:52-54.

● **所获项目、荣誉、奖励及参加学术团体的情况:**

1. 神经科学国家重点实验室开放课题, SKLN—201701, 基于 GABA 能神经元 GABABR 转运上膜的可卡因成瘾分子机制, 2018. 1—2018. 12, 5 万元, 在研, 主持

2. 江西省自然科学基金重点项目, 20171ACB21002, 伏隔核 CART 活性肽治疗毒品成瘾的作用及机制研究, 2017. 1—2019. 12, 20 万元, 在研, 主持

3. 江西省自然科学基金一般项目, 20161BBG70065, CART 基因应用于抑郁症

诊断和治疗及机制研究，2016.1-2018.12，5万元，在研，主持

4. 江西省卫生厅青年项目，2015A041，酸枣仁汤对原发性失眠和抑郁症失眠的治疗及机制研究，0.4万元，在研，主持

5. 国家自然科学基金青年基金项目，81201035，伏隔核 CART 通过钙离子调节 CaMK-D3R 负反馈调节可卡因奖赏效应，2013/01-2015/12，23万元，已结题，主持

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