



## 正、副高职称

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### 个人简历

#### 科研领域描述

主要研究方向:

1. 痛觉调节的中枢机制: 痛觉信息在中枢神经系统内传递与调节的机制, 慢性痛调节的神经机制;
2. 阿片类耐受和依赖的神经机制: 从分子、细胞到整体水平研究阿片类耐受和依赖的神经机制, 特别是学习记忆在复吸中的作用和机制;
3. 老年性痴呆(Alzheimer's Disease)的发病机制: 学习记忆的分子机制, 及其在老年性痴呆发病和防治中的作用。

Research Fields:

1. The mechanisms of pain modulation in the central nervous system;
2. The neural mechanisms of opioid tolerance and dependence;
3. The molecular mechanisms of learning and memory in Alzheimer's Disease.

#### 代表性论文

1. Xing-Long Gu, Yan-Gang Sun, Long-Chuan Yu, Involvement of galanin in nociceptive regulation in the arcuate nucleus of hypothalamus in rats with mononeuropathy, Beh Brain Res., , 2007, 179: 331-335
2. Meng Li, Liying Chen, Daniel Lee, Long-Chuan Yu, Yan Zhang, Role of Intracellular Amyloid  $\beta$  in Alzheimer's Disease, Prog Neurobiol, 2007, 83: 131-139
3. Xing-Long Gu, Long-Chuan Yu, Involvement of opioid receptors in the oxytocin-induced antinociception in the nucleus accumbens of rats, J. Pain, 2007, 8: 85-90
4. Yan-Gang Sun, Xing-Long Gu, Long-Chuan Yu, The neural pathway of galanin in the hypothalamic arcuate nucleus of rats: Activation of beta-endorphinergic neurons projecting to periaqueductal gray matter, J Neurosci Res., , 2007, 85: 2400-2406
5. Ling-Ling Kong, Long-Chuan Yu, It's AMPA receptors, not kainate receptors, that contributes to the NBQX-induced antinociception in the spinal cord of rats, Brain Research, 2006, 1100: 73-77.
6. Wei Xiong, Long-Chuan Yu, Involvement of endogenous cholecystokinin in morphine tolerance in the nucleus accumbens of rats, Behav Brain Research, 2006, 173: 116-121
7. Xia Wu, Long-Chuan Yu, Plasticity of galanin in nociceptive modulation in the central nervous system of rats during morphine tolerance: a behavioral and immunohistochemical study., Brain Research, 2006, 1086: 85-91
8. Jin-Ju Li, Xiang Zhou, Long-Chuan Yu, Involvement of neuropeptide Y and Y1 receptors in antinociception in the arcuate nucleus of hypothalamus, an immunohistochemical and pharmacological study in intact rats and rats with inflammation, Pain, 2005, 118: 232-242
9. Wei Wu, Long-Chuan Yu, Roles of oxytocin in spatial learning in the nucleus basalis of Meynert in rats, Regul Peptides, 2004, 120: 119-125
10. Yan-Gang Sun, Ji Li, Bo-Ning Yang, Long-Chuan Yu, An Antinociceptive Effect of Galanin in the Rat Tuberomammillary Nucleus and the Plasticity of Galanin Receptor 1 During Hyperalgesia, J Neurosci Res., , 2004, 77: 718-722

11. Yi Yan, Long-Chuan Yu , Involvement of Opioid Receptors in CGRP8-37-Induced Inhibition on the Activity of Wide Dynamic Range Neurons in the Spinal Dorsal Horn of Rats. , J. Neuroscience Research , 2004 , 77: 148-152

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