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### 技術專長

Whole Cell Patch Clamp	Two-Electrode Voltage Clamp
研究應用: 藥物對細胞膜電位的影響 藥物對 ion channel/receptor 功能的調控 使用細胞: neuron cell, smooth muscle cell	研究應用: 藥物對 ion channel/receptor 功能及機制的調控

1. Bacterial toxins activation of abbreviated urea cycle in porcine cerebral vascular smooth muscle cells. Mishra RG, Tseng TL, Chen MF, **Chen PY**, Lee TJ. *Vascul Pharmacol*. 2016 Sep 7. pii: S1537-1891(16)30148-3. doi: 10.1016/j.vph.2016.08.010. [Epub ahead of print]
2. Inhibition by ketamine and amphetamine analogs of the neurogenic nitregeric vasodilations in porcine basilar arteries. Chen MF, Lai SY, Kung PC, Lin YC, Yang HI, **Chen PY**, Liu IY, Lua AC, Lee TJ. *Toxicol Appl Pharmacol*. 2016 Aug 15;305:75-82.
3. L-type calcium channels in sympathetic  $\alpha_3\beta_2$ -nAChRs -mediated cerebral nitregeric neurogenic vasodilation. Wu CY, Lee RH, **Chen PY**, Tsai AP, Chen MF, Kuo JS, Lee TJ. *Acta Physiol (Oxf)*. 2014 Aug;211(4):544-58.
4. Memantine inhibits  $\alpha_3\beta_2$ -nAChRs-mediated nitregeric neurogenic vasodilation in porcine basilar arteries. Lee RH, Tseng TY, Wu CY, **Chen PY**, Chen MF, Kuo JS, Lee TJ. *PLoS One*. 2012;7(7):e40326.
5. Bimodal effects of fluoxetine on cerebral nitregeric neurogenic vasodilation in porcine large cerebral arteries. Chen MF, Huang YC, Long C, Yang HI, Lee HC, **Chen PY**, Hoffer BJ, Lee TJ. *Neuropharmacology*. 2012 Mar;62(4):1651-8.