

## Dr. Zhao-Wen Wang's earlier publications

1. Yuan, A., Santi, C. M., Wei, A., **Wang, Z. W.**, Pollak, K., Nonet, M., Kaczmarek, L., Crowder, C. M., and Salkoff, L. (2003). The sodium-activated potassium channel is encoded by a member of the Slo gene family. *Neuron* 37, 765-773.
2. Santi, C. M., Yuan, A., Fawcett, G., **Wang, Z. W.**, Butler, A., Nonet, M. L., Wei, A., Rojas, P., and Salkoff, L. (2003). Dissection of K<sup>+</sup> currents in *Caenorhabditis elegans* muscle cells by genetics and RNA interference. *Proc Natl Acad Sci U S A* 100, 14391-14396.
3. Salkoff, L., Butler, A., Fawcett, G., Kunkel, M., McArdle, C., Paz-y-Mino, G., Nonet, M., Walton, N., **Wang, Z. W.**, Yuan, A., and Wei, A. (2001). Evolution tunes the excitability of individual neurons. *Neuroscience* 103, 853-859.
4. **Wang, Z. W.**, Saifee, O., Nonet, M. L., and Salkoff, L. (2001). SLO-1 potassium channels control quantal content of neurotransmitter release at the *C. elegans* neuromuscular junction. *Neuron* 32, 867-881.
5. **Wang, Z. W.**, Kunkel, M. T., Wei, A., Butler, A., and Salkoff, L. (1999). Genomic organization of nematode 4TM K<sup>+</sup> channels. *Ann N Y Acad Sci* 868, 286-303.
6. **Wang, Z. W.**, Nara, M., Wang, Y. X., and Kotlikoff, M. I. (1997). Redox regulation of large conductance Ca<sup>(2+)</sup>-activated K<sup>+</sup> channels in smooth muscle cells. *J Gen Physiol* 110, 35-44.
7. **Wang, Z. W.**, and Kotlikoff, M. I. (1996). Activation of KCa channels in airway smooth muscle cells by endogenous protein kinase A. *Am J Physiol* 271, L100-105.
8. Zhang, X. Y., Robinson, N. E., **Wang, Z. W.**, and Lu, M. C. (1995). Catecholamine affects acetylcholine release in trachea: alpha 2-mediated inhibition and beta 2-mediated augmentation. *Am J Physiol* 268, L368-373.
9. **Wang, Z. W.**, Yu, M. F., Robinson, N. E., and Derksen, F. J. (1995). Acetylcholine release from airway cholinergic nerves in horses with heaves, an airway obstructive disease. *Am J Respir Crit Care Med* 151, 830-835.
10. **Wang, Z. W.**, Yu, M. F., and Robinson, N. E. (1995). Prejunctional muscarinic autoreceptors on horse airway cholinergic nerves. *Life Sci* 56, 2255-2262.
11. **Wang, Z. W.**, Robinson, N. E., and Yu, M. F. (1994). PGE2 inhibits acetylcholine release from cholinergic nerves in canine but not equine airways. *Prostaglandins Leukot Essent Fatty Acids* 51, 347-355.
12. Yu, M. F., **Wang, Z. W.**, Robinson, N. E., and Derksen, F. J. (1994). Modulation of bronchial smooth muscle function in horses with heaves. *J Appl Physiol* 77, 2149-2154.
13. Yu, M., **Wang, Z.**, Robinson, N. E., and Leblanc, P. H. (1994). Inhibitory nerve distribution and mediation of NANC relaxation by nitric oxide in horse airways. *J Appl Physiol* 76, 339-344.
14. **Wang, Z.**, Robinson, N. E., and Yu, M. (1993). ACh release from horse airway cholinergic nerves: effects of stimulation intensity and muscle preload. *Am J Physiol* 264, L269-275.
15. Yu, M., **Wang, Z.**, and Robinson, N. E. (1993). Prejunctional alpha 2-adrenoceptors inhibit acetylcholine release from cholinergic nerves in equine airways. *Am J Physiol* 265, L565-570.
16. Yu, M., Robinson, N. E., **Wang, Z.**, and Derksen, F. J. (1993). Independent modulation of horse airway smooth muscle by epithelium and prostanoids. *Respir Physiol* 93, 279-288.
17. Yu, M., **Wang, Z.**, Robinson, N. E., and Derksen, F. J. (1992). The inhibitory effect of furosemide on the contractile response of equine trachealis to cholinergic nerve stimulation. *Pulm Pharmacol* 5, 233-238.
18. **Wang, Z.**, Yu, M., Robinson, N. E., Broadstone, R. V., LeBlanc, P. H., and Derksen, F. J. (1992). Exogenous but not endogenous PGE2 modulates pony tracheal smooth muscle contractions. *Pulm Pharmacol* 5, 225-231.
19. Salkoff, L., Kunkel, M., **Wang, Z. W.**, Butler, A., Nonet, M., and Wei, A. (1999). The impact of the *C. elegans* genome project on potassium channel biology. In *Potassium Ion Channels: Molecular Structure, Function and Diseases*, Y. Kurachi, L. Y. Jan, and M. Lazdunski, eds. (San Diego, Academic Press), pp. 9-27.