

Peer Reviewed Journal Articles:

Danaceau, J.P. and M.T. Lucero (2000) Mixture interactions of glutamate and betaine in single squid olfactory neurons *J. Comp. Physiol. A* 186: 57-67.

Danaceau, J.P. and M.T. Lucero (2000) The electrogenic $\text{Na}^+/\text{Ca}^{2+}$ exchanger; a novel amplification step in squid olfactory transduction. *J. Gen. Physiol.* 115: 759-678.

Lucero, M.T., Huang, W. and Dang, T. (2000) Immunohistochemical evidence for the $\text{Na}^+/\text{Ca}^{2+}$ exchanger in squid olfactory neurons. *Philosophical Transactions of the Royal Society: Biological Sciences* 355: 1215-1218.

Piper, D.R., Mujtaba, T., Rao, M.S. and Lucero, M.T. (2000) Characterization of human neural precursors. *J. Neurophysiol.* 84: 534-547.

Piper, D.R. and Lucero, M.T. (1999) Calcium signalling in squid olfactory receptor neurons. *Biological Signals and Receptors* 8: 329-337.

Mujtaba, T. D.R. Piper, A. Kalyani, A.K. Groves, M.T. Lucero, and M.S. Rao (1999) Lineage-restricted neural precursors can be isolated from both the mouse neural tube and cultured ES cells. *Developmental Biology* 214: 113-127.

<http://www.ncbi.nlm.nih.gov/htbin-post/Entrez/query?uid=8925302&form=6&db=m&Dopt=b>

Vargas, G. and M.T. Lucero (1999) Dual regulation of the hyperpolarization-activated current (I_h) by PKA and cAMP in cultured rat olfactory receptor neurons *J. Neurophysiol.* (in revision).

Lucero, M.T. and J. Poulsen (1999) Betaine transport in giant fiber lobes of the squid *Lolliguncula brevis* *Am. J. Physiol.* (in review).

Piper, D.R., Mujtaba, T., Rao, M.S., and M.T. Lucero (1999) Human spinal cord precursors develop multiple neuronal phenotypes in culture *J. Neurophysiol.* (in review).

Lucero, M.T., Piper, D.R., Danaceau, J.P. and N.S. Chen (1999) Cellular mechanisms of odor processing in squid olfactory receptor neurons. *Philosophical Transactions of the Royal Society: Biological Sciences* (in review).

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Vargas, G. and M.T. Lucero (1999) A new method for short term culture of adult rat olfactory receptor neurons. *Chem. Senses* 24: 211-216.
<http://www.ncbi.nlm.nih.gov/htbin-post/Entrez/query?uid=10321822&form=6&db=m&Dopt=b>

Vargas, G., J. Yeh, D. Blumenthal, and M.T. Lucero (1999) Protein kinase A activity is

modulated by common components of whole-cell patch-clamp internal recording solutions. *Brain Research* 828:169-173.
<http://www.ncbi.nlm.nih.gov/htbin-post/Entrez/query?uid=10320738&form=6&db=m&Dopt=b>

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<http://www.ncbi.nlm.nih.gov/htbin-post/Entrez/query?uid=10077863&form=6&db=m&Dopt=b>

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Vargas, G. and M.T. Lucero. (1998) Dopamine D₂ receptors mediate the dopaminergic modulation of the hyperpolarization-activated current, I_h in rat olfactory receptor neurons. *Chemical Senses* 23(5):621.

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