Victor Marcheselli, Ph.D.

Associate Professor Research, 1985-2008
LSU Neuroscience Center of Excellence

Current Position: Retired

Selected Publications while at the LSU Neuroscience Center of Excellence

Arranz, S.C., Vaquero, J.J., Sunkel, C., Alvarez-Builla, J., Belayev, L., Khoutorova, L., Atkins, K., Tian, X., **Marcheselli, V.L.**, Bazan, N.G: Design, synthesis and biological evaluation of novel platelet-activation factor antagonists. *J. Med. Chemistry* (in press).

Marcheselli, V.L., Mukherjee, P.K., Arita, M., Hong, S., Antony, R., Sheets, K., Winkler, J.W., Petasis, N.A., Serhan, C.N., Bazan, N.G. Neuroprotectin D1/protectin D1 stereoselective and specific binding with human retinal pigment epithelial cells and neutrophils. *Prostaglandins Leukot Essent Fatty Acids*. (2010) 82:27-34.

Calandria, J.M., **Marcheselli, V.L.**, Mukherjee, P.K., Uddin, J., Winkler, J.W., Petasis, N.A., Bazan, N.G. Selective survival rescue in 15-lipoxygenase-1-deficient retinal pigment epithelial cells by the novel docosahexaenoic acid-derived mediator, neuroprotectin D1. *J Biol Chem*. 2009 Jun 26;284(26):17877-82. Epub 2009 Apr 29.

Vaccarino, A.L., Paul, D., Mukherjee, P.K., Rodriguez de Turco, E.B., **Marcheselli, V.L.**, Xu, L., Trudell, M.L., Minguéz, J.M., Matia, M.P., Sunkel, C., Alvarez-Builla, J., Bazan, N.G. Synthesis and in vivo evaluation of a non-hepatotoxic acetaminophen analogs. *Bioorg Med Chem*15:2206-2215, 2007.

Mukherjee, P.K., **Marcheselli, V.L.**, Barreiro, S., Hu, J., Bok, D., Bazan, N.G. Neurotrophins enhance retinal pigment epithelial cell survival through neuroprotectin D1 signaling. *Proc Natl Acad Sci U S A.* 104:13152-13157, 2007.

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Machel-Lopes, R., Di, S., **Marcheselli, V.L.**, Weng, F.J., Stuart, C.T., Bazan, N.G., Tasker, J.G. Opposing crosstalk between leptin and glucocorticoids rapidly modulates synaptic excitation via endocannabinoid release. *J Neurosci* 26:6643-50, 2006.

Sang, N., Zhang, J., **Marcheselli, V.L.**, Bazan, N.G., Chen, C. Postsynaptically synthesized prostaglandin E2 (PGE2) modulates hippocampal synaptic transmission via a presynaptic PGE2 EP2 receptor. *J Neurosci* 25:9858-9870, 2005.

Di, S., Boudaba, C., Popescu, I.R., Weng, F.J., Harris, C., **Marcheselli, V.L.**, Bazan, N.G., Tasker, J.G. Activity-dependent release and actions of endocannabinoids in the rat hypothalamic supraoptic nucleus. *J Physiol* 5:569:751-760, 2005.

Lukiw, W.J., **Marcheselli, V.L.**, Cui, J.G., Bodker, M., Botkjaer, A., Gotlinger, K., Serhan, C.N., Bazan, N.G. A role for docosahexaenoic acid-derived Neuroprotectin D1 in neural cell survival and Alzheimer's disease. *J Clin Invest* 115:2774-2783, 2005.

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