

Elena de Turco, Ph.D.

Associate Professor Research, 1985-2006
LSU Neuroscience Center of Excellence

Current Position:

Department of Physiology
Dr. Delamere Lab
University of Arizona

Selected Publications while at the LSU Neuroscience Center of Excellence

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.* 2007 Mar 1;15(5):2206-15. Epub 2006 Aug 21.

Pacheco-Quinto, J., **Rodriguez de Turco, E.B.**, De Rosa, S., Bazan, N.G., Howard, A., Cruz-Sanchez, F., Refolo, L., Petanceska, S., Pappolla, M.A. Hyperhomocysteinemic alzheimer's mouse model of amyloidosis shows increased brain amyloid beta peptide levels. *Neurobiology of Disease*; 22:651-656, 2006.

Belayev, L., Marcheselli, V.L., Khoutorova, L., **Rodriguez de Turco, E.B.**, Busto, R., Ginsberg, M.D., and Bazan, N.G. Docosahexaenoic Acid Complexed to Albumin Elicits High-Grade Ischemic Neuroprotection. *Stroke.* 36:118-123, 2005.

Bazan, N.G., **Rodriguez de Turco, E.B.** Retinal docosahexaenoic acid, age-related diseases, and glaucoma. In: Advances in Cell Aging and Gerontology Special Issue; M. Mattson (ed.) (book)

Ginsberg, M.D., Belayev, L., Bazan, N.G., Marcheselli, V.L., Hill, M.D., Palesch, Y.Y., Khoutorova, L., **Rodriguez de Turco, E.B.**, Ryckborst, K., Tamariz, D., Busto, R.

Albumin-based neurotherapeutics for acute ischemic stroke: From bench to bedside. In: Symposium on the Pharmacology of Cerebral Ischemia 2004; Marburg, Germany, (eds.) J. Krieglstein and S. Klumpp, medpharm Scientific Publishers, Stuttgart, pps. 421-433. (book)

Katsura, K., **Rodriguez de Turco, E.B.**, Siesjö, B.K., Bazan, N.G. Effects of hyperglycemia and hypercapnia on lipid metabolism during complete brain ischemia. *Brain Res* 1030:133-40, 2004.

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Bazan, N.G. and **Rodriguez de Turco, E.B.** Retinal Docosahexaenoic acid, age-related diseases, and glaucoma. In: Advances in Cell Aging and Gerontology, Vol. 12; pps. 205-222, 2003 (book)

Kolko, M., **Rodriguez de Turco, E.B.**, Diemer, N.H., Bazan, N.G. Secretory PLA₂-mediated neuronal cell death involves glutamate ionotropic receptors. *NeuroReport* 13:1963-1966, 2002.

Rodriguez de Turco, E.B., Jackson, F.R., DeCoster, M.A., Kolko, M., Bazan, N.G. Glutamate signaling and secretory phospholipase A₂ modulate the release of arachidonic acid from neuronal membranes. *J Neurosci Res* 68:558-567, 2002.

Rodriguez de Turco, E.B., Belayev, L., Liu, Y., Busto, R., Parkins, N., Bazan, N.G., Ginsberg, M.D. The effects of transient focal cerebral ischemia and of neuroprotective therapy with human albumin on systemic fatty acids response. In: Pharmacology of Cerebral Ischemia 2002; Krieglstein J and Klumpp S (eds.) pps. 431-439, 2002.

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Rodriguez de Turco, E.B., Parkins, N., Jacobson, S.G., Bazan, N.G. Unexpected increase in plasma arachidonoyl phospholipids in retinitis pigmentosa caused by Q64ter rhodopsin gene mutation. (book)

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Bazan, N.G., Tu, B., **Rodriguez de Turco, E.B.** What synaptic lipid signaling tells us about seizure-induced damage and epileptogenesis. In: Do Seizures Damage the Brain, Vol. T. Sutula and A. Pikänen (eds.), Elsevier Science B.V. Prog in Brain Res Chapter 15, pps. 175-185, 2002.

Bazán, N.G., Barreiro, S.B., Soriano, M.H., **Rodríguez de Turco, E.B.** Nuevos conceptos en la patofisiología de glaucoma: Sobrevivencia de las células ganglionares de la retina. *Médico Oftalmólogo* 14:20-23, 2001.

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Homayoun, P., Parkins, N., Soblosky, J., Carey, M.E., **Rodriguez de Turco, E.B.**, Bazan, N.G. Cortical impact injury in rats promotes a rapid and sustained increase in polyunsaturated free fatty acids and diacylglycerols. *Neurochemical Res* 25:269-76, 2000.