

Konat Recent Publications:

[2015]

Salm, A.K., Lally, B.E., Borysiewicz, E., Fil, D. and Konat, G.W. (2015) Analysis of extinction to attenuated tones in prenatally stressed and non-stressed offspring following fear conditioning. *Physiol. Behav.* 139:157-166.

Michalovicz, L.T., Lally, B. and Konat, G.W. (2015) Peripheral challenge with a viral mimic upregulates expression of the complement genes in the hippocampus. *J. Neuroimmunol.* (in press).

Bhardwaj, R., Hobbs, G., Wissam, G., Konat, G., Bradford, W., Abnash, J., (2015) Acute Effects of Diets Rich in Almonds and Walnuts on Endothelial Function. *Scand. Cardiovasc. J.* (in revision).

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Michalovicz, L.T. and Konat, G.W. (2014) Peripherally restricted acute phase response to a viral mimic alters hippocampal gene expression. *Met. Brain Dis.* 29:75-86.

[2013]

Borysiewicz E, Doppalapudi S, Kirschman LT, Konat GW. (2013) TLR3 ligation protects human astrocytes against oxidative stress. *J Neuroimmunol* 255:54.9.

[2011]

Konat GW, Lally BE, Toth AA, Salm AK. Peripheral immune challenge with viral mimic during early postnatal period robustly enhances anxiety-like behavior in young adult rats. *Met Brain Dis* (2011 Sep) 26(3):237-40.

Fil D, Borysiewicz E, Konat GW. A broad upregulation of cerebral chemokine genes by peripherally-generated inflammatory mediators. *Metab Brain Dis.* (2011), 26(1):49-59.

Kirschman LT, Fil D, Borysiewicz E, Konat GW. Peripheral immune challenge with dsRNA enhances kainic acid-induced status epilepticus. *Metab Brain Dis.* (2011), 26(1):91-3.

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Borysiewicz E, Fil D, Konat GW. Rho proteins are negative regulators of TLR2, TLR3, and TLR4 signaling in astrocytes. *J Neurosci Res* (2009), 87(7):1565-72.

Borysiewicz E, Fil D, Dlaboga D, O'Donnell JM, Konat GW. Phosphodiesterase 4B2 gene is an effector of Toll-like receptor signaling in astrocytes. *Metab Brain Dis* (2009), 24(3):481-91.

Konat GW, Borysiewicz E, Fil D, James I. Peripheral challenge with double-stranded RNA elicits global up-regulation of cytokine gene expression in the brain. *J Neurosci Res* (2009), 87(6):1381-8.

[2008]

Konat GW. "Signaling by Toll-Like Receptors (Methods in Signal Transduction Series)." G. Konat (ed.), Taylor & Francis CRC Press, Boca Raton, 1-195.

Konat GW, Krasowska-Zoladek A, Kraszpuski M. Statins enhance toll-like receptor 4-mediated cytokine gene expression in astrocytes: Implication of Rho proteins in negative feedback regulation. *Journal of Neuroscience Research* (2008), 86(3):603-609.

Konat GW, Kraszpuski M, James I, Zhang H-T, Abraham J. Cognitive dysfunction induced by chronic administration of common cancer chemotherapeutics in rats. *Metab Brain Dis* (2008), 23(3):325-33.

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Sanga M, Younis IR, Tirumalai PS, Bland TM, Banaszewska M, Konat GW, Tracy TS, Gannett PM, Callery PS. Epoxidation of the methamphetamine pyrolysis product, trans-phenylpropene, to trans-phenylpropylene oxide by CYP enzymes and stereoselective glutathione adduct formation. *Toxicology & Applied Pharmacology* (2006), 211(2):148-156.