

## Publications link

[2017]

Bhardwaj, R., Hobbs, G., Wissam, G., Konat, G., Bradford, W., Abnash, J., (2017) Acute effects of diets rich in almonds and walnuts on endothelial function. *Scand. Cardiovasc. J.* (in revision).

Hunsberger, H.C., Konat, G.W. and Reed, M.N. (2017) Peripheral viral challenge elevates extracellular glutamate in the hippocampus leading to seizure hypersusceptibility. *J. Neurochem.* 141:341-346.

Petrisko, T., Konat, G. (2017) Peripheral viral challenge triggers hippocampal production of inflammatory proteins. *Met Brain Dis* 32:1249-1254.

[2016]

Konat, G. (2016) Cerebral response to peripheral challenge with a viral mimetic. *Neurochem. Res.* 41:144-155.

Hunsberger, H.C., Wang, D., Petrisko, T.J., Alhowail, A., Setti, S.E., Suppiramaniam, V., Konat, G. and Reed, M.N. (2016) Peripherally restricted viral challenge elevates extracellular glutamate and enhances synaptic transmission in the hippocampus. *J. Neurochem.* 138:307-316.

[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.* 285:137-142.

[2014]

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 L.T. and Konat, G.W. (2013) TLR3 ligation protects astrocytes against oxidative stress. *J. Neuroimmunol.* 255:54-59.

[2011]

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

Kirschman, L.T., Fil, D., Borysiewicz, E. and Konat, G.W. (2011) Peripheral immune challenge with dsRNA enhances kainic acid-induced status epilepticus. *Met. Brain Dis.* 26:91-93.

Konat, G.W., Lally, B.E., Toth, A.A. and Salm, A.K. (2011). Peripheral immune challenge with viral mimic during early postnatal period robustly enhances anxiety-like behavior in young adult rats. *Met. Brain Dis.* 26:237-40.

[2010]

Dod, H.S., Bhardwaj, R., Sajja, V., Weidner, G., Hobbs, G.R., Konat, G.W., Manivannan, S., Gharib, W., Warden, B.E., Nanda, N.C., Beto, R.J., Ornish, D. and Jain A.C. (2010) Effect of intensive lifestyle changes on endothelial function and on inflammatory markers of atherosclerosis. *Am. J. Cardiol.* 105:262-267

Darwish, D.S., Wang, D., Konat, G.W. and Schreurs, B.G. (2010) Dietary cholesterol impairs memory and memory increases brain cholesterol and sulfatide levels. *Behavior. Neurosci.* 124:115-123.

[2009]

Shrader, C.D., Bailey, K.M., Konat, G.W., Cilento, E.V. and Reilly, F.D. (2009) Insulin induces enhanced proliferation and viability of human umbilical vein endothelial cells (HUVECs). *Arch. Dermatol. Res.* 301:159-166.

Konat, G.W., Borysiewicz, E. Fil, D. and James, I. (2009) Peripheral challenge with double stranded RNA elicits global upregulation of cytokine gene expression in the brain. *J. Neurosci. Res.* 87:1381-1388.

Borysiewicz, E., Fil., D. and Konat, G.W. (2009) Rho proteins are negative regulators of TLR2, TLR3 and TLR4 signaling in astrocytes. *J. Neurosci. Res.* 87:1565-1572.

Borysiewicz, E., Dlaboga, D., Fil., D., O'Donnell, J.M. and Konat, G.W. (2009) Phosphodiesterase 4B2 gene is an effector of Toll-like receptor signaling in astrocytes. *Met. Brain Dis.* 24:481-491.

[2008]

Konat, G.W., Krasowska-Zoladek, A. and Kraszpuski, M (2008) Statins enhance Toll-like receptor 4-mediated cytokine gene expression in astrocytes: Implication of Rho proteins in negative feedback regulation. *J. Neurosci. Res.* 86:603-609.

Konat, G.W., Kraszpuski, M., James, I., Zhang H-T. and Abraham, J. (2008) Cognitive dysfunction induced by chronic administration of common cancer chemotherapeutics in rats. *Met. Brain Dis.* 23:325-333.

Younis, I.R., Elliott, M., Cooper, A.J.L., Peer, C.J., Pinto, J.T., Kraszpuski, M., Konat, G.W., Petros, W.P. and Callery, P.S. (2008) Dehydroalanine analog of glutathione: An electrophilic busulfan metabolite that binds to human glutathione S-transferase A1-1. *J. Pharmacol. Exp. Therap.* 327:770-776.

[2007]

Krasowska, A., Banaszewska, M., Kraszpuski M. and Konat, G.W. (2007) Kinetics of inflammatory response induced by ligation of TLR3 and TLR4 in astrocytes. *J. Neurosci. Res.* 85:205-212.

Wiltshire, T., Senft, J., Wang, Y, Konat, G.W., Wise, J.L., Wenger, S.L., Van Laar, E.S., Waters, S.J., Reed, E. and Wang, W. (2007) BRCA1 contributes to cell cycle arrest and chemoresistance in response to anticancer agent, irifolven. *Mol. Pharmacol.* 71:1051-1060.