

Selected Publications

Silayeva, L., Deeb, T.Z., Lee, H.H., Hines, R.M., Moss, S.J. KCC2 activity is critical in limiting the onset and severity of Status Epilepticus. Revise and resubmit: *Proceedings of the National Academy of Sciences*.

Engin, E., Bakhurin, K.I., Smith, K.S., Hines, R.M., Reynolds, L.M., Tang, W., Sprengel, R., Moss, S.J., Rudolph, U. (2014). Neural basis of benzodiazepine reward: Requirement for $\alpha 2$ containing GABAA receptors in the nucleus accumbens. *Neuropsychopharmacology*. 39(8):1805-15.

Hines, R.M., Hines, D.J., Houston, C.M., Mukherjee, J., Haydon, P.G., Tretter, V., Smart, T. & Moss, S.J. (2013). Impaired GABAA receptor clustering directly contributes to cognitive deficits in a schizophrenia model. *Proceedings of the National Academy of Sciences*. 110(41):16628-33.

Vithlani, M., Hines, R.M., Zhong, P. *, Terunuma, M., Hines, D.J., Revilla-Sanchez, R., Jurd, R., Haydon, P.G., Rios, M., Brandon, N., Yan, Z., Moss, S.J. (2013). The ability of BDNF to modify neurogenesis and depressive-like behaviors is dependent upon phosphorylation of tyrosine residues 365/367 in the GABAAR $\gamma 2$ subunit. *Journal of Neuroscience*. 33(39):15567-77.

Kretschmannova, K., Hines, R.M., Revilla-Sanchez, R., Tretter, V., Jurd, R., Kelz, M.B., Moss, S.J., Davies, P.A. (2013). Enhanced tonic inhibition contributes to the hypnotic and amnesic actions of intravenous anesthetics. *Journal of Neuroscience*. 33(17):7264-73.

Hines, D.J., Choi, H.B., Hines, R.M., Phillips, A.G. & MacVicar, B.A. (2013). Prevention of LPS-induced microglia activation, cytokine production and sickness behavior with TLR4 receptor interfering peptides. *PLOS One*. 8(3):e60388. doi: 10.1371.

Hines, D.J., Schmitt, L.I., Hines, R.M., Moss, S.J., Haydon, P.G. (2013). Antidepressant effects of sleep deprivation require astrocyte-dependent adenosine mediated signaling. *Translational Psychiatry*. Jan 15; 3:e212. doi: 10.1038/tp.2012.136.

Hines, R.M., Davies, P.A., Moss, S.J., Maguire, J. (2011). Functional regulation of GABAA receptors in nervous system pathologies. *Current Opinion in Neurobiology*. 22(3):552-8.