

Publications

The following is a selection of 10 out of 119 peer reviewed publications and book chapters:

Brenner, M., Kisseberth, W.C., Su, Y., Besnard, F., and Messing, A. (1994) GFAP promoter directs astrocyte-specific expression in transgenic mice. *J. Neurosci.* 14, 1030-1037.

Brenner, M., Johnson, A.B., Boespflug-Tanguy, O., Rodriguez, D., Goldman, J.E. and Messing, A. (2001). Mutations in GFAP, encoding glial fibrillary acidic protein, are associated with Alexander disease. *Nature Genetics* 27: 117-120.

Su, M., Hu, H., Lee, Y., d'Azzo, A., Messing, A. and Brenner, M. (2004). Expression specificity of GFAP transgenes. *Neurochem. Res.* 29:2075-2093

Li, R., Johnson, A.B., Salomons, G.S., Goldman, J.E., Naidu, S., Quinlan, R., Cree, B., Ruyle, S.Z., Banwell, B., D'Hooghe, M., Siebert, J.R., Rolf, C.M., Cox, H., Reddy, A., Gutiérrez-Solana, L.G., Collins, A., Weller, R.O., Jakobs, C., Messing, A., Van der Knaap, M.S., and Brenner, M. (2005). GFAP mutations in infantile, juvenile and adult forms of Alexander disease. *Annals Neurol.* 57(3):310-326.

Brenner, M., Goldman, J.E., Quinlan, R.A. and Messing, A. (2009). Alexander disease: a genetic disorder of astrocytes. In Parpura, V. and Haydon, P., *Astrocytes in (patho) physiology of the nervous system*, Springer, New York, pp. 591-648

Yeo, S., Bandyopadhyay, S., Messing, A. and Brenner, M. (2013). Transgenic analysis of GFAP promoter elements. *Glia* 61: 1488-1499.

Brenner, M. (2014). Role of GFAP in CNS injuries. *Neuroscience Let.* 565: 7-13.

Heaven, M. R., Wilson, L., Barnes, S., and Brenner, M. (2019) Relative stabilities of wild-type and mutant glial fibrillary acidic protein in patients with Alexander disease. *J Biol Chem* 294, 15604-15612

Messing, A., and Brenner, M. (2020) GFAP at 50. *ASN Neuro* 12, 1759091420949680

Brenner, M., and Messing, A. (2021) Regulation of GFAP expression, *ASN Neuro* 13, 1759091420981206