

## Dr. Michelle Mynlieff's Publications

- 2013** Karls, A.S. and Mynlieff, M. 2013. Nonspecific, Reversible Inhibition of Voltage-Gated Calcium Channels by CaMKII Inhibitor CK59. *Cellular and Molecular Neurobiology*, 33(5):723-729.
- 2012** Kramer\*, A.A., Ingraham\*, N.E., Sharpe\*, E.J., and Mynlieff, M. 2012. Levels of CaV1.2 L-type Ca<sup>2+</sup> channels peak in the first two weeks in rat hippocampus whereas CaV1.3 channels steadily increase through development. *Journal of Signal Transduction*, vol. 2012, Article ID 597214, doi:10.1155/2012/597214
- 2011** Bray, J.G. and Mynlieff, M. 2011. Involvement of protein kinase C and protein kinase A in the enhancement of L-type calcium current by GABAB receptor activation in neonatal hippocampus. *Neuroscience*, 179, 62-72.
- 2009** Bray, J.G. and M. Mynlieff. 2009. Influx of calcium through L-type calcium channels in early postnatal regulation of chloride transporters in rat hippocampus. *Developmental Neurobiology*, 69(13): 885-896.
- 2004** Carter, T.J. and M. Mynlieff. 2004. GABA-B receptors facilitate L-type and attenuate N-type calcium current in isolated hippocampal neurons. *J. of Neurosc. Res.*, 76:323-333.
- 2003** McCallum, J.B., W.M. Kwok, M. Mynlieff, B. Bosnjak, and Q.H. Hogan. 2003. Loss of T-type calcium current in sensory neurons of rats with neuropathic pain. *Anesthesiology*, 98:209-16.
- Carter, J.R. and M. Mynlieff. 2003. Amyotrophic lateral sclerosis patient IgG alters voltage-dependence of Ca<sup>2+</sup> channels in dissociated rat motoneurons. *Neuroscience Letters*, 353:221-225.
- 2000** Hogan, Q.H., J.B. McCallum, C. Sarantopoulos, M. Aason, M. Mynlieff, W.M. Kwok and Zj. Bosnjak. 2000. Painful neuropathy decreases membrane calcium current in mammalian primary afferent neurons. *Pain*, 86(1-2):43-53.
- 1999-00** Mynlieff, M. 1999. Identification of interneuronal subtypes in cultures obtained from postnatal hippocampus using electrophysiological parameters. *Neuroscience*, 93(2):979-986
- 1996-97** Garcia, K.D., M. Mynlieff, D.B. Sanders, J.P. Walrond, and K.G. Beam. 1996. Lambert-Eaton sera reduce low-voltage and high-voltage activated Ca<sup>2+</sup> currents in mouse dorsal root ganglion neurons. *Proceedings of the National Academy of Sciences*, 93:9264-9269.
- Mynlieff, M. 1997. Dissociation of postnatal hippocampal neurons for short term culture. *J. of Neurosci. Methods*, 73(1):35-44.
- 1994-95** Mynlieff, M. and K.G. Beam. 1994. Adenosine acting at an A1 receptor decreases N-type calcium current in mouse motoneurons. *J. Neurosci.*, 14(6):3628-3634.
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- At Marquette University
- 1993-94** Mori, Y. T. Nildome, Y. Fujita, M. Mynlieff, R.T. Dirksen, K.G. Beam, N. Iwabe, T. Miyata, D. furutama, T. Furuichi, and K. Mikoshiba. 1993. Molecular diversity of voltage-dependent calcium channels. *Annals of the New York Academy of Sciences*, 707:87-108.
- 1992-93** Fujita, Y., M. Mynlieff, R.T. Dirksen, M.S. Kim, T. Niidome, J. Nakai, N. Iwabe, T. Miyata, K.G. Beam and Y. Mori. 1993. Primary structure and functional expression of the  $\alpha_1$  conotoxin-sensitive N-type calcium channel from rabbit brain. *Neuron*, 10:585-598.

- 1991-92** Mynlieff, M., K.G. Beam. 1992. Characterization of voltage-dependent calcium currents in identified mouse motoneurons. *J. of Neurophys.*, 68:85-92.
- Mynlieff, M., K.G. Beam. 1992. Developmental expression of voltage-dependent calcium currents in identified mouse motoneurons. *Develop. Biol.*, 152:407-410.
- 1990-91** Su, M.T., T.V. Dunwiddie, M. Mynlieff and G.A. Gerhardt. 1990. Electrochemical characterization of stimulated norepinephrine overflow in locus coeruleus-hippocampus double brain grafts grown in oculo. *Neurosci. Letters*, 110:186-192.
- 1989-90** Mynlieff, M. and T.V. Dunwiddie. 1990. Electrophysiological analysis of synaptic transmission between intraocular hippocampus/locus coeruleus co-transplants. *Brain Res.*, 515:135-142.
- Mynlieff, M. P. Curella, N.R. Zahniser, G.A. Gerhardt, A. Seiger and T.V. Dunwiddie. 1990. Regulation of adrenergic receptors in intraocular hippocampal transplants: Role of noradrenergic innervation. *Synapse*, 6:115-120.
- 1988-89** Mynlieff, M. W.R. Proctor, A. Seiger and T.V. Dunwiddie. 1989. *In vitro* electrophysiological analysis of mature rat hippocampal transplants *in oculo*. *Develop. Brain Res.*, 50:113-122.
- 1987-88** Mynlieff, M. and T.V. Dunwiddie. Noradrenergic depression of synaptic responses in rat hippocampus: Evidence for mediation by alpha1-receptors. *Neuropharma.*, 27:391-398.
- 1986-87** Henley, J.M., M. Mynlieff, J. M. Lindstrom, R.E. Oswald. 1986. Interaction of monoclonal antibodies to electroplaque acetylcholine receptors with the alpha-bungarotoxin binding site of goldfish brain. *Brain Res.*, 364:405-408.
- Proctor, W. R., M. Mynlieff and T.V. Dunwiddie. 1986. Facilitatory action of etomidate and pentobarbital on recurrent inhibition in rat hippocampal pyramidal neurons. *J. Neurosci.*, 6:3161-3168.