

Dr. Micheline McCarthy

PUBLICATIONS AND ABSTRACTS

Journal Articles selected from 32 total:

McCarthy, M., M. D. Norenberg, L.O.B. Norenberg, R. D. Dix. 1990. Herpes Simplex Virus type 1 infection of rat astrocytes in primary culture: effects of dibutyryl cyclic AMP. *J. Neuropathol. Exp. Neurol.* 49: 3-20.

Berger, J.R., S. Raffanti, A. Svenningsson, *M. McCarthy*, S. Snodgrass, L. Resnick. 1991. The role of HTLV in HIV-1 neurological disease. *Neurology* 41: 197-202.

McCarthy, M., L. Resnick, F. Taub, R.V. Stewart, and R.D. Dix. 1991. Infection of human neural cell aggregate cultures with a clinical isolate of cytomegalovirus. *J. Neuropathol. Exp. Neurol.* 50: 441-450.

Wolinsky, J.S., *M. McCarthy*, O. Allen-Cannady, W.T. Moore, R. Jin, S-N. Cao, A. Lovett, D. Simmons. 1991. A monoclonal antibody defined epitope map of expressed rubella virus protein domains. *J. Virol.* 65: 3986-3994.

Narayana P.A., J.S. Wolinsky, E.F. Jackson, *M. McCarthy*. 1992. Proton magnetic resonance spectroscopy of gadolinium-DTPA enhanced multiple sclerosis plaques. *J. Mag. Res. Imaging*, 2:263-270.

Lovett, A.E., *M. McCarthy*, J.S. Wolinsky. 1993. Mapping cell-mediated immunodominant domains of the rubella virus structural proteins using recombinant proteins and synthetic peptides. *J. Gen. Virol.* 74:445-452.

McCarthy, M., A. Lovett, R.H. Kerman, A. Overstreet, J.S. Wolinsky. 1993. Immunodominant T-cell epitopes of Rubella virus structural proteins defined by synthetic peptides. *J. Virol.* 67: 673-681.

Dix, R.D., *M. McCarthy*, J.R. Berger. 1994. Diagnostic value for culture of cerebrospinal fluid from HIV-1-infected individuals for opportunistic viruses: a prospective study. *AIDS* 8:307-312.

McCarthy, M., C. Wood, L. Fedoseyeva, S.R. Whittemore. 1995. Media components influence viral gene expression assays in human fetal astrocyte cultures. *J. NeuroVirol.* 1:275-285.

He, J., *M. McCarthy*, Y. Zhou, B. Chandran, C. Wood. 1996. HHV-6 infection of fetal human astrocytes. *J Virol* 70:1296-1300.

McCarthy, M., J. He, C. Wood. 1998. HIV-1 strain-associated variability in infection of primary neuroglia. *J. NeuroVirol.* 4:80-89.

Neary J.T., *M. McCarthy*, Y. Kang, S. Zuniga. 1998. Mitogenic signaling from P1 and P2 purinergic receptors to mitogen-activated protein kinase in human fetal astrocyte cultures. *Neurosci. Lett.* 242:159-162.

McCarthy, M., D. Auger, J. He, C. Wood. 1998. Cytomegalovirus and human herpesvirus-6 trans-activate the HIV-1 long terminal repeat via multiple response regions in human fetal astrocytes. *J. NeuroVirol.* 4: 495-511.

Neary J.T., *M. McCarthy*, A. Cornell-Bell, Y. Kang. 1999. Trophic signaling pathways activated by purinergic receptors in rat and human astroglia. *Prog. Brain Res.* 120:323-332.

Petito C.K., B. Adkins, K. Tracey, B. Roberts, J. Torres-Munoz, *M. McCarthy*, C. Czeisler. 1999. Chronic systemic administration of tumor necrosis factor alpha and HIV gp120: effects on adult rodent brain and blood brain barrier. *J. NeuroVirol* 5:314-318.

McCarthy, M., D.A. Auger, S.R. Whittemore. 2000. Human cytomegalovirus causes productive infection and neuronal injury in differentiating fetal human CNS neuroepithelial precursor cells. *J. Hum. Virol.* 3:215-228.

McCarthy, M. 2001. Saint Louis Encephalitis and West Nile Virus Encephalitis. *Curr. Treatment Options in Neurol.*3:433-438.

McCarthy, M., J. He, D. Auger, R. Geffin, C. Woodson, C. Hutto, C. Wood, G. Scott. 2002. Cellular tropisms and co-receptor usage of HIV-1 isolates from vertically-infected children with neurological abnormalities and rapid disease progression. *J. Med. Virol* 67:1-8.

Delgado, S., *McCarthy, M.* 2002. Is there a role for human herpesvirus-6 in the course of multiple sclerosis? *Int. J. MS Care* 4:30-31, 36-39.

Petito, C.K., Adkins, B., *McCarthy, M.*, Roberts, B., Khamis, I. 2003. CD4+ and CD8+ cells accumulate in the brains of AIDS patients with HIV encephalitis. *J Neurovirol* 9:36-44.

McCarthy, M. 2003. Newer viral encephalitides. *The Neurologist*, 9(4):189-199.

Petito, C.K., Torres-Munoz, J.E., Zielger, F., *McCarthy, M.* 2006. Brain CD8+ and cytotoxic T lymphocytes are associated with, and may be specific for, Human Immunodeficiency Virus type 1 encephalitis in patients with acquired immunodeficiency syndrome. *J Neurovirol.* 12:272-283.

McCarthy, M., Vidaurre, V., Geffin, R. 2006. Maturing Neurons are Selectively Sensitive to HIV-1 Exposure in Differentiating Human Neuroepithelial Progenitor Cell Cultures. *J Neurovirol.* 12:333-348.

Tatard, V.M., D'Ippolito, G., Diabira, S., Valeyev, A., Hackman, J., *McCarthy, M.*, Bouckenoghe, T., Menei, P., Montero-Menei, C.N., Schiller, P. C. 2007. Neurotrophin-Directed Differentiation of Human Adult Marrow Stromal Cells to Dopaminergic-like Neurons. *Bone* 40:360-373.
doi:[10.1016/j.bone.2006.09.013](https://doi.org/10.1016/j.bone.2006.09.013)

Book Chapters selected from 5 total:

McCarthy, M. 2005. Herpesvirus Infections, in *Current Therapy in Neurologic Disease*, 7th ed. Johnson, R.T., J.W. Griffin, J.C. McArthur, eds. Philadelphia, PA: Mosby-Elsevier Press, pp121-128.

McCarthy, M. and C. Wood. Neurovirology, in *Neurology in Clinical Practice*, 2nd ed. Bradley, W.G., R.B. Daroff, G. M. Fenichel, C.D. Marsden, eds. Stoneham, Massachusetts: Butterworth-Heinemann Publishing, 1996; 723-742.

McCarthy, M., T. Weber, and J.R. Berger. Central nervous system diseases caused by unconventional transmissible agents and chronic viral infections, in Neurology in Clinical Practice, 2nd ed. Bradley, W.G., R.B. Daroff, G. M. Fenichel, C.D. Marsden, eds. Stoneham, Massachusetts: Butterworth-Heinemann Publishing, 1996; 1293-1306.

Other Professional Communications:

Berger, J.R., McCarthy, M. 1990. Neurosyphilis in patients infected with human immunodeficiency virus. (letter). *Ann Neurol* 27: 213.

Petito CK, Kerza-Kwiatecki AP, Gendelman HE, McCarthy M, Nath A, Podack ER, Shapshak P, Wiley CA. 1999. Neuronal injury in HIV infection. (Meeting report). *J NeuroVirol*.5:327-330.