

Milan Fiala, M.D.

Selected Peer-Reviewed Publications

(from a list of 64 peer-reviewed articles and 7 chapters)

1. Gendelman H, Persidsky Y, Ghorpade A, Limoges J, Stins M, Fiala M, Morrisett R: The neuropathogenesis of the AIDS dementia complex. *AIDS* 1997,11(supplA): S35-S45.
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3. Zhang L, Taub D, Looney D, Chang SL, Way D, Witte M, Graves MC, Fiala M: Cocaine opens the blood-brain barrier to HIV-1 invasion. *J NeuroVirol* 4:619-626, 1998
4. Fiala M, Zhang L, Gan X-H, Graves MC, Hama S, Sherry B, Taub D, Way D, Weinand M, Witte M, Lorton D, Kuo Y-M, Roher AE: Amyloid-b induces chemokine secretion and monocyte migration across a human blood-brain barrier model. *Molecular Medicine* 4:480-489, 1998
5. Gan X, Zhang L, Taub D, Chang SL, Stins M, Kim K-S, Way D, Weinand M, Witte M, Graves MC, Fiala M: Cocaine enhances endothelial adhesion molecules and leukocyte migration. *Clin Immunol* 91: 68-76, 1999
6. Chang, S., J. Bersig, B. Felix, M. Fiala, and S.D. House. Chronic cocaine alters hemodynamics and leukocyte-endothelial interactions in rat mesenteric venules. *Life Sciences*, 24: 2357-2369, 2000
7. Persidsky, Y., A. Ghorpade, J. Rasmussen, J. Limoges, X. J. Liu, M. Stins, M. Fiala, D. Way, K. S. Kim, M. H. Witte, M. Weinand, L. Carhart, and H. E. Gendelman. 1999. Microglial and astrocyte chemokines regulate monocyte migration through the blood-brain barrier in human immunodeficiency virus-1 encephalitis. *Am J Pathol* 155: 1599
8. Berger, O, Gan, X, Gujuluva, C, Burns, AR, Sulur, G, Stins, M, Way, D, Witte, M, Weinand, M, Said, J, Kim, K-S, Taub, D, Graves, M.C., Fiala, M: CXC and CC chemokine receptors on coronary and brain endothelia. *Molec Med* 5:795-805, 1999.
9. Fiala, M, Gujuluva, C, Berger, O, Bukrinsky, M, Kim, K-S, Graves, M.C: Chemokine receptors on brain endothelia-the keys to HIV-1 neuroinvasion? In *Neuroimmune Circuits, Drugs of Abuse, and Infectious Diseases*. Friedman H, Klein TW, Madden J, eds. Kluwer Academic/Plenum Press. 2000. New York.
10. Chang SL, Felix B, Jiang Y, Fiala M 2000. Actions of endotoxin and morphine. In *Neuroimmune Circuits, Drugs of Abuse, and Infectious Diseases*. Friedman H, Klein TW, Madden J, eds. Kluwer Academic/Plenum Press. 2000. New York, NY. *Medicine*, 7(3), 169-176, 2001.
11. Nancy Liu, Srinu Redy, Viorella Pop, Michael C. Graves, Milan Fiala: Essential role of HIV-1-infected and COX-2- and iNOS-activated macrophages and T cells in HIV-1 myocarditis. *AIDS Research and Human Retroviruses*, 17:1423-1433, 2001.
12. Lee Y W, Hennig B, Fiala M, Kim KS, Toborek M: Cocaine activates redox-regulated transcription factors and induces TNF- α expression in human brain endothelial cells. *Brain Research* 920: 125-133, 2001.
13. Fiala M, Liu N, Sayre J, Pop V, Brahmandam V, Graves MC, Vinters HV: Cyclooxygenase-2-positive macrophages infiltrate the Alzheimer's disease brain and damage the blood-brain barrier. *European Journal of Clinical Investigation*,32:360 (2002)
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16. Fiala M, Roos KP, MacLellan R: Roles of HIV-1 macropinocytosis and cardiomyocyte apoptosis in the pathogenesis of HIV cardiomyopathy. In Watson R: *AIDS and Heart Disease*. Marcel Dekker 2003.
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20. Michael C. Graves, Milan Fiala, Lu Anne V. Dinglasan, Nancy Q. Liu, James Sayre, Francesco Chiappelli, Cees van Kooten, Harry V. Vinters. Inflammation in amyotrophic lateral sclerosis spinal cord and brain is mediated by activated macrophages, mast cells and T cells. *Journal of Amyotrophic Lateral Sclerosis*, 2004; 5:1-7
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22. Milan Fiala, Justin Lin, Vali Kermani-Arab, John Ringman, Andrew Gustavson, James Sayre, Albert S. Lossinsky, Emanuela Sofroni, Michael C. Graves, Francesco Chiappelli, George Bernard. Defective phagocytosis of amyloid- β by macrophages of Alzheimer's disease patients. *Journal of Alzheimer's Disease* 7:221-232, 2005
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24. Albert S. Lossinsky, Ambrose Jong, Milan Fiala, Muhammad Mukhtar, Karolyn F. Buttle and Marylou Ingram: The histopathology of *Candida albicans* invasion in neonatal rat tissues and in the human blood-brain barrier in culture revealed by light, scanning and immunoelectron microscopy. *Histology and Histopathology*, 2006 21:1029-41
25. Fiala M: Enhancement of innate immunity by curcuminoids and hormones as a therapeutic strategy in neurodegenerative disorders. *Future Neurol.* 2(2), 125–127 (2007).
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27. Milan Fiala, Philip Liu, Araceli Espinosa-Jeffrey, Mark Rosenthal, John Ringman, James Sayre, Laura Zhang, Justin Zaghi, Ben Chiang, Sheila Dejbakhsh, James Hui, Michelle Mahanian, George Bernard, John Cashman. Innate immunity and transcription of MGAT-III and Toll-like receptors in Alzheimer disease patients are improved by bisdemethoxycurcumin. *Proc Natl Acad Sci (USA)* 104: 12849-12854, 2007.
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32. Avagyan H., Goldenson B., Masoumi A., Porter V., Wiedau-Pazos M., Sayre J., Ong R, Tse E, Koo P, Bae S, Mahanian M, Micic M, Liu P, Rosenthal M., Fiala M. Immune blood biomarkers of Alzheimer disease patients . *Journal of Neuroimmunology*, In revision 2009