

PUBLICATIONS from 2015 through mid-2018

Review Articles

Lacagnina, M., Watkins, L.R. & Grace, P.M., Toll-like receptors and their role in persistent pain, Pharmacology & Therapeutics, 184 (2018) 145-158

Gaudet, A.D., Fonken, L.K., Watkins, L.R., Nelson, R.J., & Popovich, P.G., microRNAs: Roles in regulating neuroinflammation, The Neuroscientist, 24 (2018) 221-245.

Grace, P.M., Gaudet, A.D., Staikopoulos, V., Maier, S.F., Hutchinson, M.R., Salvemini, D. & Watkins, L.R., Nitroxidative signaling mechanisms in pathological pain, Trends in Neuroscience, 39 (2016) 862-879.

Dodds, K.N., Grace, P. Watkins, L.R. & Hutchison, M.R., Glial contributions to visceral pain: implications for disease etiology and the female predominance of persistent pain, Translational Psychiatry, 6 (2016) e888.

Journal Articles

Grace, P.M., Strand, K.A., Galer, E.L., Maier, S.F. & Watkins, L.R., MicroRNA-124 and microRNA-146a both attenuate persistent neuropathic pain induced by morphine in male rats, Brain Research, 1692 (2018)9-11.

Gaudet, A.D., Ayala, M.T., Fonken, L.K., Smith, E.J., Bateman, E.M., Schleicher, W.E., Maier, S.F. & Watkins, L.R., Spinal cord injury in rats disrupts bowel function, Journal of Neurotrauma (2017) in review.

Fonken, L.K., Frank, M.G., D'Angelo, H.M., Heinze, J.D., Watkins, L.R., Lowry, C.A., & Maier, S.F., *Mycobacterium vaccae* immunization protects aged rats from surgery-elicited neuroinflammation and cognitive dysfunction, Neurobiology of Aging, (2018) in review.

Frank, M., Fonken, L., Dolzani, S., Annis, J., Siebler, P., Schmidt, D. Watkins, L., Maier, S. & Lowry, C., Immunization with *Mycobacterium vaccae* induces an anti-inflammatory milieu in the CNS: Attenuation of stress-induced microglial priming, alarmins, and anxiety-like behavior, Brain, Behavior & Immunity (2018) ePub ahead of print.

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Grace, P.M., Strand, K.A., Galer, E.L., Rice, K.C., Maier, S.F. & Watkins, L.R., Protraction of neuropathic pain by morphine is maintained by spinal danger associated molecular patterns in male rats, Brain Behavior & Immunity (2018) ePub ahead of print.

Anttila, J., Albert, K., Simons, E., Matlik, K., Loram, L., Watkins, L.R., Rice, K.C., Wang, Y., Harvey, B., and Aiavaara, M., Post-stroke intranasal (+)-naloxone delivery reduces microglial activation and improves behavioral recovery from ischemic injury, eNeuro (2018) Apr 18;5(2). pii: ENEURO.0395-17.2018. doi: 10.1523/ENEURO.0395-17.2018. eCollection 2018 Mar-Apr

Zhang, X., Cui, F., Chen, H., Zhang, T., Yang, K., Wang, Y., Jiang, Z., Rice, K., Watkins, L., Hutchinson, M., Li, Y., Peng, Y., Wang, X., Dissecting the innate immune recognition of opioid inactive isomer (+)-naltrexone derived toll-like receptor 4 (TLR4) antagonists, Journal of Chemical Information and Modeling, 58 (2018) 816-825.

Dolzani, S., Baratta, M., Moss, J., Leslie, N., Tilden, S., Sorenson, A.t., Watkins, L.R., Lin, Y.-X., & Maier, S.F. Inhibition of a descending prefrontal circuit prevents ketamine-induced stress resilience in females, eNeuro (2018) 2018 Mar 6;5(1). pii: ENEURO.0025-18.2018.

Kwilasz, A.J., Ellis, A., Wieseler, J., Loram, L., Favret, J., Fadden, A., Springer, K., Falci, S., Rieger, J., Maier, S.F & Watkins, L.R., Sustained reversal of central neuropathic pain induced by a single intrathecal injection of adenosine A2a receptor antagonist, Brain, Behavior & Immunity, 69 (2018) 470-479.

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