

Dr. John H. Morrison's Recent Publications

Age and Alzheimer's disease gene expression profiles reversed by the glutamate modulator riluzole. Pereira AC, Gray JD, Kogan JF, Davidson RL, Rubin TG, Okamoto M, **Morrison JH**, McEwen BS. *Mol Psychiatry*. 2017 Feb;22(2):296-305. doi: 10.1038/mp.2016.33. PMID: [27021815](#)

Diverse Synaptic Distributions of G Protein-coupled Estrogen Receptor 1 in Monkey Prefrontal Cortex with Aging and Menopause. Crimins JL, Wang AC, Yuk F, Puri R, Janssen WG, Hara Y, Rapp PR, **Morrison JH**. *Cereb Cortex*. 2016 Mar 3. pii: bhw050. [Epub ahead of print] PMID: [26941383](#)

Estrogen Restores Multisynaptic Boutons in the Dorsolateral Prefrontal Cortex while Promoting Working Memory in Aged Rhesus Monkeys. Hara Y, Yuk F, Puri R, Janssen WG, Rapp PR, **Morrison JH**. *J Neurosci*. 2016 Jan 20;36(3):901-10. doi: 10.1523/JNEUROSCI.3480-13.2016. PMID: [26791219](#)

Antiviral Protection via RdRP-Mediated Stable Activation of Innate Immunity. Painter MM, **Morrison JH**, Zoecklein LJ, Rinkoski TA, Watzlawik JO, Papke LM, Warrington AE, Bieber AJ, Matchett WE, Turkowski KL, Poeschla EM, Rodriguez M. *PLoS Pathog*. 2015 Dec 3;11(12):e1005311. doi: 10.1371/journal.ppat.1005311. PMID: [26633895](#)

Age and Long-Term Hormone Treatment Effects on the Ultrastructural Morphology of the Median Eminence of Female Rhesus Macaques. Naugle MM, Lozano SA, Guarraci FA, Lindsey LF, Kim JE, **Morrison JH**, Janssen WG, Yin W, Gore AC. *Neuroendocrinology*. 2016;103(6):650-64. doi: 10.1159/000442015. PMID: [26536204](#)

Estrogen Effects on Cognitive and Synaptic Health Over the Lifecourse.

Hara Y, Waters EM, McEwen BS, **Morrison JH**. *Physiol Rev*. 2015 Jul;95(3):785-807. doi: 10.1152/physrev.00036.2014. Review. PMID: [26109339](#)

Glutamatergic regulation prevents hippocampal-dependent age-related cognitive decline through dendritic spine clustering. Pereira AC, Lambert HK, Grossman YS, Dumitriu D, Waldman R, Jannetty SK, Calakos K, Janssen WG, McEwen BS, **Morrison JH**. *Proc Natl Acad Sci U S A*. 2014 Dec 30;111(52):18733-8. doi: 10.1073/pnas.1421285111. PMID: [25512503](#)

TALEN knockout of the PSIP1 gene in human cells: analyses of HIV-1 replication and allosteric integrase inhibitor mechanism. Fadel HJ, **Morrison JH**, Saenz DT, Fuchs JR, Kvaratskhelia M, Ekker SC, Poeschla EM. *J Virol*. 2014 Sep 1;88(17):9704-17. doi: 10.1128/JVI.01397-14. PMID: [24942577](#)

G-protein coupled estrogen receptor, estrogen receptor α , and progesterone receptor immunohistochemistry in the hypothalamus of aging female rhesus macaques given long-term estradiol treatment. Naugle MM, Nguyen LT, Merceron TK, Filardo E, Janssen WG, **Morrison JH**, Rapp PR, Gore AC. *J Exp Zool A Ecol Genet Physiol*. 2014 Aug;321(7):399-414. doi: 10.1002/jez.1871. PMID: [24862737](#)

Differential effects of aging on dendritic spines in visual cortex and prefrontal cortex of the rhesus monkey. Young ME, Ohm DT, Dumitriu D, Rapp PR, **Morrison JH**. *Neuroscience*. 2014 Aug 22;274:33-43. doi: 10.1016/j.neuroscience.2014.05.008. PMID: [24853052](#)

Synaptic health. **Morrison JH**, Baxter MG. *JAMA Psychiatry*. 2014 Jul 1;71(7):835-7. doi: 10.1001/jamapsychiatry.2014.380. No abstract available. PMID: [24806309](#)