

Bibliography

- 1.) Flores J*, Huang S*, Sawyer S*, Thomas M*, Venegas L*, **Burke MW**, Blankenship K, Wutoh A. (2023) Developing an Inclusive Generation of HIV Researchers through Diversity and Community. *Journal of Acquired Immune Deficiency Syndromes (AIDS)*. Accepted *contributed equally
- 2.) **Burke MW**, Slimani H, Ptito M, Ervin FR, Palmour RM. (2022). Dose-related reduction in hippocampal neuronal population in fetal alcohol exposed vervet monkeys. *Brain Sciences*. 12(9): 117. doi: 10.3390/brainsci12091117. PMID: 36138853
- 3.) Haddad A*, Voth B*, Brooks J*, Swang M, Carryl H, Algarzae N, Taylor S, Parker C, Van Rompay K, De Paris K, **Burke MW**. (2021). Reduced neuronal population in the dorsolateral prefrontal cortex in infant macaques infected with simian immunodeficiency virus (SIV). *Journal of Neurovirology*, 27(6): 923-935. doi: 10.1007/s13365-021-01019-2 PMID: 34554407 *contributed equally
- 4.) Raper J, Kovacs-Balint Z, Mavigner M, Gumber S, **Burke MW**, Habib J, Mattingly C, Fair D, Earl E, Feczkó E, Styner M, Jean S, Cohen J, Suthar MS, Sanchez MM, Alvarado MC, Chahroudi A. (2020). Long-term alterations in brain and behavior after postnatal Zika virus infections in infant macaques. *Nature Communications*. 11(1):2534. doi: 10.1038/s41467-020-16320-7. PMID: 32439858
- 5.) LaRocca, TJ, Altman, P, Jarrah, AA, Gordon, R, Wang, E, Hadri, L, **Burke, MW**, Haddad, GE, Hajjar, RJ, Tarzami, ST. (2019). CXCR4 Cardiac specific knockout mice develop a progressive cardiomyopathy. *International Journal of Molecular Science*. 20(9):2267. doi:10.3390/ijms20092267. PMID: 31071921.
- 6.) **Burke, MW**, Fillion, M, Mejia, J, Ervin, FR, Palmour, RM. (2018). Perinatal MAO inhibition produces long-lasting impairment of serotonin function in offspring. *Brain Sciences*. 8(6). pii: E106. PMID: 29891804 doi: 10.3390/brainsci8060106.
- 7.) Mavigner, M, Raper, J, Kovacs-Balint, Z, Gumber, S, O'Neal, JT, Bhaumik, SK, Zhang, X, Habib, J, Mattingly, C, McDonald, CE, Avanzato, V, **Burke, MW**, Magnani, DM, Bailey, VK, Watkins, DL, Vanderford, TH, Fair, D, Earl, E, Feczkó, E, Styner, M, Jean, SM, Cohen, JK, Silvestri, G, Johnson, RP, O'Connor, DH, Wrammert, J, Suthar, MS, Sanchez, MM, Alvarado, MC, Chahroudi, A* (2018) Postnatal Zika virus infection causes persistent abnormalities in brain structure, function, and behavior in infant macaques. *Science Translational Medicine*. 10(435). pii: eaa06975. doi: 10.1126/scitranslmed.aao6975. PMID: 29618564 **featured in 64 news media outlets**.
- 8.) Amedee, A, Phillips, B, Jensen, K, Robichaux, S, Lacour, N, **Burke, M**, Piatak, M, Lifson, J, Kozlowski, P, Van Rompay, K, De Paris, K. (2018). Early sites of virus replication after oral SIVmac251 infection of infant macaques: implications for pathogenesis. *AIDS Research and Human Retroviruses*. Doi: 10.1089/AID.2017.0169 (Epub ahead of print).
- 9.) Carryl, H, Van Rompay, KK, De Paris, K, **Burke, MW**. (2017). Hippocampal Neuronal Loss in Infant Macaques Orally Infected with Virulent Simian Immunodeficiency Virus (SIV). *Brain Sciences*. 7(4): pii:E40.
- 10.) **Burke, MW**, Inyatkin, A, Ptito, M, Ervin, FR, Palmour, RM. (2106). Prenatal Alcohol Exposure Affects Progenitor Cell Numbers in Olfactory Bulbs and Dentate Gyrus of Vervet Monkeys. *Brain Sciences*. 6(4): pii:E52.

- 11.) Rodriguez, A, Chawla , K, Umoh, N, Cousins, V, Ketegou, A, Reddy, M, AlRubaiee, M, Haddad, G, **Burke, MW.*** (2015) Alcohol and Apoptosis: Friends or Foes?" BioMolecules. 5(4):3193-203.
- 12.) Carryl, H, Swang, M, Lawrence, J, Curtis, K, Kamboj, H, Van Rompay, KK, De Paris, K, **Burke, MW.*** (2015). Of Mice and Monkeys: Can Animal Models Be Utilized to Study Neurological Consequences of Pediatric HIV-1 Infection? ACS Chem Neurosci. 6(8):1276-89.
- 13.) **Burke, MW**, Ptito, M, Ervin, F, Palmour, R. (2015). Hippocampal Neuron Populations are Reduced in Vervet Monkeys with Fetal Alcohol Exposure. Developmental Psychobiology. 57(4) 470-85.
- 14.) T. Dyrby, H. Lundell, **M. Burke**, N. Reisley, O. Paulson, M. Ptito, H. Siebner. (2014). Interpolation of diffusion weighted imaging datasets. NeuroImage. 103 202-13.
- 15.) K. Curtis, M. Rollins, H. Carryl, K.A. Van Rompay, K. Abel, **M.W. Burke*** (2014). Reduction of Pyramidal and Immature Hippocampal Neurons in Pediatric SIV Infection. NeuroReport 25(13) 973-8.
- 16.) **Burke, MW***, Kuppers, R, Ptito, M. (2012). Adaptive Neuroplastic Responses in Early and Late Hemispherectomized Monkeys. Neural Plasticity Special Issue "Sensory Deprivation and Brain Plasticity" 2012:852423. doi: 10.1155/2012/852423.
- 17.) Bouskila, J, **Burke, MW**, Zabouri, N, Bouchard, JF, Ptito, M. (2012). Expression and localization of the cannabinoid receptor type 1 and the enzyme fatty acid amide hydrolase in the retina of the non-human primate. Neuroscience. Epub Nov 28, 2011, 202, 117-130. **Cover Illustration**
- 18.) Zhang, ZW, **Burke MW**, Calakos N, Beaulieu JM, Vaucher E. (2010). Confocal analysis of cholinergic and dopaminergic inputs onto pyramidal cells in the prefrontal cortex of rodents. Frontiers of Neuroanatomy. 4, 21.
- 19.) Papia M, **Burke MW***, Zangenehpour S, Palmour, R, Ervin, F, Ptito, M. (2010). Reduced neuronal size in the magnocellular layers of the lateral geniculate nucleus following fetal alcohol exposure in non-human primates. Experimental Brain Research. 205(2), 263-271. ***co-first authors**
- 20.) **Burke MW**, Zangenehpour S, Ptito M. (2010). Partial recovery of hemiparesis following hemispherectomy in infant monkeys. Neuroscience Letters. 469, 243-247.
- 21.) **Burke, MW**, Palmour, R, Ervin, F, Ptito, M. (2009). Neuronal loss in frontal cortex of primates after prenatal alcohol exposure. NeuroReport. 20, 13-17.
- 22.) Dotigny F, Ben Amor A, **Burke MW**, & Vaucher E (2008). Neuromodulatory role of acetylcholine in visually-induced cortical activation: behavioral and neuroanatomical correlates. Neuroscience, 154(4), 1607-18.
- 23.) **Burke, MW**, Zangenehpour, S, Ptito, M. (2009). Brain banking: making the most of your research specimens. Journal of Visualized Experimentation. Jul 24;(29). pii: 1260. doi: 10.3791/1260.
- 24.) **Burke, MW**, Zangenehpour, S, Boire, D, Ptito, M. (2009). Dissecting the non-human primate brain in stereotaxic space. Journal of Visualized Experimentation. Jul 16;(29):1-5. doi: 10.3791/1259.

- 25.) **Burke, MW**, Zangenehpour, S, Bouskila, J, Boire, D, Ptito, M. (2009). The Gateway to the brain: Dissecting the primate eye. *Journal of Visualized Experimentation*. May 27;(27). pii: 1261. doi: 10.3791/1261.
- 26.) **Burke, MW**, Zangenehpour, S, Mouton, PR, Ptito, M. (2009). Knowing what counts: Unbiased stereology in the non-human primate brain. *Journal of Visualized Experimentation*. May 14;(27). pii: 1262. doi: 10.3791/1262.
- 27.) Zangenehpour, S, **Burke, MW**, Chaudhuri, A, Ptito, M. (2009). Batch immunostaining for large-scale protein detection in the whole monkey brain. *Journal of Visualized Experimentation*. Jul 27;(29). pii: 1286. doi: 10.3791/1286.

Books and Chapters

Burke, MW and Ptito M Editors (2018) Primates. InTechOpen DOI:10.5772/65832. ISBN: 978-1-78923-217-2. Print ISBN: 978-1-78923-216-5

Burke, MW and Ptito M (2018). "Introductory Chapter: Primates-What the monkey brain tells the human brain." In Primates. Mark Burke and Maurice Ptito, editors. InTechOpen DOI:10.5772/65832. ISBN: 978-1-78923-217-2. Print ISBN: 978-1-78923-216-5

Burke, MW (2014). "Design-based stereology in the brain bank setting." In Neurostereology: Unbiased Stereology of Neural Systems. Peter Mouton, editor. Wiley Blackwell, Ames, Iowa, USA.