

## Recent Peer-Reviewed Publications

### *Lab trainees\**

Huang Y, Cui D, Chen L, Tong H, Wu H, Muller GK, Qi Y, Wang S, Xu J, Gao X, Fifield KE\*, Wang L, Xia Z, **Vanderluit JL**, Liu S, Leng L, Sun G, McGuire J, Young LH, Bucala R, Qi D. (2023) A pref-1-controlled non-inflammatory mechanism of insulin resistance. *iScience* 26(6):106923

Vitale I, Pietrocola F, Guilbaud E, .....**Vanderluit JL**, .....Kroemer G, Galluzi L. (2023) Apoptotic cell death in disease – Current understanding of the NCCD 2023. *Cell Death and Differentiation* 30(5):1097-1154.

Flemmer RT\*, Connolly SP\*, Geizer BA\*, Opferman JT, **Vanderluit JL**. (2021) The role of Mcl-1 in embryonic neural precursor cell apoptosis. *Frontiers in Cell and Developmental Biology* 20;9:659531.

Fifield KE\*, **Vanderluit JL**. (2020) Rapid degeneration of neurons in the penumbra region following a small, focal ischemic stroke. *European Journal of Neuroscience* 52(4): 3196-3214.

Fifield KE\*, Rowe TM, Raman-Nair J\*, Hirasawa M, **Vanderluit JL**. (2019) Prolonged high fat diet worsens the cellular response to a small, covert-like ischemic stroke. *Neuroscience* 406:637-652.

Fogarty LC\*, Flemmer RT\*, Geizer BA\*, Licursi M, Karunanithy A\*, Opferman JT, Hirasawa K, **Vanderluit JL**. (2019) Mcl-1 and Bcl-xL are essential for survival of the developing nervous system. *Cell Death and Differentiation* 26: 1501-1515.

Fogarty LC\*, Song B\*, Suppiah Y\*, Hasan SMM\*, Martin HC\*, Hogan, SE\*, Xiong J\*, **Vanderluit JL**. (2016) Bcl-xL dependency coincides with the onset of neurogenesis in the developing mammalian spinal cord. *Molecular and Cellular Neuroscience* 77:34-46.

Roome RB\*, **Vanderluit JL**. (2015) Paw-Dragging: a novel, sensitive analysis of the mouse cylinder test. *Journal of Visualized Experiments* 98:1-12, e52701.

Roome RB\*, Bartlett RF\*, Jeffers M, Corbett D, **Vanderluit JL**. (2014) A reliable model of Endothelin-1 mediated ischemia in the mouse forelimb motor cortex. *Journal of Neuroscience Methods* 233:34-44.

Hasan SMM\*, Sheen A\*, Power AM\*, Langevin LM, Xiong J\*, Furlong M\*, Day K\*, Schuurmans C, Opferman JT, **Vanderluit JL**. (2013) Mcl-1 regulates terminal mitosis of neural precursor cells in the mammalian brain. *Development* 140(15): 3118-3127.

Amini M, Ma C-I, Farazifard R, Zhu Q, Zhang Y, **Vanderluit J**, Zoltewicz JS, Hage F, Savitt J, Lagace D, Slack R, Beique J-C, Baudry M, Greer P, Bergeron R, Park DS (2013) Conditional disruption of calpain in the CNS alters dendrite morphology, impairs LTP, and promotes neuronal survival following injury. *Journal of Neuroscience* 33(13):5773-5784.

Malone CD\*, Hasan SMM\*, Power AM\*, Sheen A\*, Xiong J\*, Furlong M\*, Opferman JT, **Vanderluit JL**. (2012) Mcl-1 is a survival factor for neural stem cells in the embryonic and adult mammalian brain. Molecular and Cellular Neuroscience. 49:439-447.