ORIGINAL RESEARCH ARTICLES

1. **Norton CE**, Shaw RL, Safa, Dockery B, Domeier TL, Segal SS. Advanced age and female sex protect cerebral arteries from mitochondrial depolarization and apoptosis during acute oxidative stress. *Aging Cell*. e14110. 2024. (doi:10.1111/acel.14110).
2. Zawieja SD, Pea GA, Broyhill SE, Patro A, Bromert KH, Li M, **Norton CE**, Castorena-Gonzalez JA, Hancock EJ, Bertram CD, Davis MJ. IP3R1 underlies diastolic ANO1 activation and pressure-dependent chronotropy in lymphatic collecting vessels. *J Gen Physiol*. 155:e202313358. 2023. (doi:10.1085/jgp.202313358).
3. **Norton CE**, Shaw RL, Segal SS. Differential effects of high fat diets on resilience to H_2O_2-induced cell death in mouse cerebral arteries: role for processed carbohydrates. *Antioxidants*. 12:1433. 2023. (doi:10.3390/antiox12071433).
4. Jablon KL, Akerstrom VL, Li M, Braun SE, **Norton CE**, Castorena-Gonzalez JA. Isolation and short-term culturing of primary lymphatic endothelial cell from collecting lymphatics: A techniques study. *Microcirculation*. E12788. 2022. (doi: 10.1111/micc.12778).
5. **Norton CE**, Shaw RL, Mittler R, Segal SS. Endothelial cells promote smooth muscle cell resilience to H_2O_2-induced cell death in mouse cerebral arteries. *Acta Phyiologica*. E13819. 2022. (doi:10.1111/apha.13819).
6. Jacobsen NL, **Norton CE**, Shaw RL, Cornelison DDW, Segal SS. Myofiber injury induces capillary disruption and regeneration of disorganized microvascular networks. *J Physiol*. 600:41-60. 2022. (doi:10.1113/JP282292).
7. **Norton CE,** Boerman EM, Segal SS. Differential hyperpolarization to substance P and calcitonin gene-related peptide in smooth muscle versus endothelium of mouse mesenteric artery. *Microcirculation*. e12733. 2021. (doi:10.1111/micc.12733).
8. **Norton CE**, Grunz-Borgmann EA, Hart ML, Jones BW, Franklin CL, Boerman, EM. Role of perivascular nerve and sensory neurotransmitter dysfunction in inflammatory bowel disease. *Am J Physiol Heart Circ Physiol*. 320:H1887-H1902. 2021. (doi: 10.1152/ajpheart.00037.2021).
9. **Norton CE**, Jernigan NL, Walker BR, Resta TC. Membrane depolarization is required for pressure-dependent pulmonary arterial tone but not enhanced vasoconstriction to endothelin-1 following chronic hypoxia. *Pulm Circ*. 10(4): 204589402973559. doi: 10.1177/2045894020973559. 2020. (doi: 10.1177/2045894020973559).
10. Snow JB, **Norton CE**, Sands MA, Weise-Cross L, Yan S, Herbert LM, Sheak JR, Gonzalez Bosc LV, Walker BR, Kanagy NL, Jernigan, NL, Resta TC. Intermittent hypoxia augments pulmonary vasoconstrictor reactivity through PKCβ/mitochondrial oxidant signaling. *Am J Respir Cell Mol Biol*. 62:732-746. 2020. (doi: 10.1165/rcmb.2019-0351OC).
11. **Norton CE**, Weise-Cross L, Ahmadian R, Yan S, Jernigan NL, Paffet ML, Naik JS, Walker BR, Resta TC. Altered lipid domains facilitate enhanced pulmonary vasoconstriction following chronic hypoxia. *Am J Respir Cell Mol Biol*. 62:709-718. 2020. (doi: 10.1165/rcmb.2018-0318OC).
12. **Norton CE**, Jacobsen NL, Sinkler SY, Manrique-Acevedo C, Segal SS. Female sex and western-style diet protect mouse resistance arteries during acute oxidative stress. *Am J Physiol Cell Physiol*. 318:C627-C639. 2020. (doi: 10.1152/ajpcell.00342.2019).
13. **Norton CE**, Sheak JR, Yan S, Weise-Cross L, Jernigan NL, Walker BR, Resta TC. Augmented pulmonary vasoconstrictor reactivity after chronic hypoxia requires Src

kinase and epidermal growth factor receptor signaling. *Am J Respir Cell Mol Biol*.62:61-73. 2020. (doi:10.1165/rcmb.2018-0106OC).

14. Morton AB*, **Norton CE***, Jacobsen NL, Fernando CA, Cornelison DDW, Segal SS. Barium chloride injure myofibers through calcium-induced proteolysis with fragmentation of motor nerves and microvessels. *Skelet Muscle*. 9:27. doi: 10.1186/s13395-019-0213-2. 2019. (doi:10.1186/s13395-019-0213-2).
15. **Norton CE**, Sinkler SY, Jacobsen NL, Segal SS. Advanced age protects resistance arteries of mouse skeletal muscle from oxidative stress through attenuating apoptosis induced by hydrogen peroxide. *J Physiol*. 597:3801-3816, 2019. (doi: 10.1113/JP278255).
16. **Norton CE**, Segal SS. Calcitonin gene-related peptide hyperpolarizes mouse pulmonary artery endothelial tubes through K_{ATP} channel activation. *Am J Physiol Lung Cell Mol Physiol*. 315:L212-L226. 2018. (doi:10.1152/ajplung.00044.2018).
17. **Norton CE**, Broughton BRS, Jernigan NL, Walker BR, Resta TC. Enhanced depolarization-induced pulmonary vasoconstriction following chronic hypoxia requires EGFR-dependent activation of NAD(P)H oxidase 2. *Antioxid Redox Signal*. 18:1777-1788. 2013. (doi:10.1089/ars.2012.4836).
18. **Norton CE**, Jernigan NL, Kanagy NL, Walker BR, Resta TC. Intermittent hypoxia augments pulmonary vascular smooth muscle reactivity to NO: regulation by reactive oxygen species. *J Appl Physiol*. 111:980-988, 2011. (doi: 10.1152/japplphysiol.01286.2010).
19. Broughton BRS, Jernigan NL, **Norton CE**, Walker BR, Resta TC. Chronic hypoxia augments depolarization-induced Ca^{2+}-sensitization in pulmonary vascular smooth muscle through superoxide-dependent stimulation of RhoA. *Am J Physiol Lung Cell Mol Physiol*. 298: L232-L242, 2009. (doi:10.1152/ajplung.00276.2009).
20. Snow JB, Kitzis V, **Norton CE**, Torres SN, Johnson KD, Kanagy NL, Walker BR, Resta TC. Differential effects of chronic hypoxia and intermittent hypocapnic and eucapnic hypoxia on pulmonary vasoreactivity. *J Appl Physiol*. 104:110-118, 2008. (doi:10.1152/japplphysiol.00698.2005).

REVIEW ARTICLES:

1. **Norton CE**. Role of sensory nerves in pulmonary fibrosis. *Int J Mol Sci*. 25:3538. 2024. (doi: https://doi.org/10.3390/ijms25063538).
2. Shaw RL*, **Norton CE***, Segal SS. Apoptosis in resistance arteries induced by hydrogen peroxide: greater resilience of endothelium versus smooth muscle. *Am J Physiol Heart Circ Physiol*. 320:H1625-H1633. 2021. (doi: 10.1152/ajpheart.00956.2020).