

Peer Reviewed Journal Articles:

- Bester, D., **Blignaut, M.**, Huisamen, B. ATM facilitates autophagy and protects against oxidative stress and apoptosis in response to ER stress in vitro (2024). *Biochemical and Biophysical Research Communication*. 732: 150422
- Blignaut, M.**, Espach, Y., Lochner, A., Huisamen, B. Acute inhibition of Ataxia Telangiectasia Mutated Protein kinase (ATM) improves cardiac function during early reperfusion through attenuation of mitochondrial respiration (2024) *Cardiovascular Drugs and Therapy*, under review.
- Lochner, A., **Blignaut, M.** Mitochondrial dynamics in myocardial ischemia/reperfusion injury: Effects of melatonin (2022) *Melatonin Research*. 5, 3: 335-373. <https://doi.org/10.32794/mr112500136>.
- Blignaut, M.**, Harries, S., Lochner, A., Huisamen, B. Ataxia-Telangiectasia Mutated protein kinase: potential master puppeteer of oxidative stress-induced metabolic recycling (2021) *Oxidative Medicine and Cellular Longevity*, <https://doi.org/10.1155/2021/8850708>.
- Dube, K., Dhanabalan, K., Salie, R., **Blignaut, M.**, Huisamen, B., Lochner, A. Melatonin has profound effects on mitochondrial dynamics in myocardial ischaemia/reperfusion (2019) *Heliyon* 5 (10), e02659
- Blignaut, M.**, Loos, B., Botchway, SW., Parker, AW., Huisamen, B. Ataxia-Telangiectasia Mutated protein kinase is located on the inner mitochondrial membrane of rat cardiac mitochondria (2019) *Scientific Reports*, 9, 4782. DOI:10.1038/s41598-019-41108-1
- Blignaut, M.**, Espach, Y., van Vuuren, M., Dhanabalan, K., Huisamen, B. Revisiting the cardiotoxic effect of chloroquine (2019) *Cardiovascular Drugs and Therapy*; 33(1):1-11. DOI:10.1007/s10557-018-06847-9
- Le Roux, JJ., **Blignaut, M.**, Gildenhuys, E., Mavengere, N., Berthouly-Salazar, C. The molecular ecology of biological invasions: What do we know about non-additive genotypic effects and invasion success? (2013) *Biological Invasions*, 16, 997–1001. DOI: 10.1007/s10530-013-0568-y
- Blignaut, M.**, Ellis, A., Le Roux, J.J. Towards a transferable and cost-effective plant AFLP protocol (2013) *PLoS ONE*, 8(4). e61704. doi:10.1371/journal.pone.0061704