

Biographical Sketch:

Marguerite completed her MSc in Genetics at Stellenbosch University, where after she focussed on scientific writing before returning to the university to complete a PhD. Her genetics background allows her to combine molecular techniques with cell signalling and protein analysis. Her main interest is in mitochondrial dysfunction and its role in metabolism, disease and ageing. She visited the Rutherford Appleton Laboratory in Oxfordshire (UK) for four months as a Newton-funded sandwich PHD student, and have had the opportunity to return as a visiting scientist during her post-doctoral fellowship.

Research Outputs:

1. 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
2. **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
3. **Blignaut, M.**, Espach, Y., van Vuuren, M., Dhanabalan, K., Huisamen, B. (2019) Revisiting the cardiotoxic effect of chloroquine, *Cardiovascular Drugs and Therapy*; 33(1):1-11. DOI:10.1007/s10557-018-06847-9
4. **Blignaut, M.**, Ellis, A., Le Roux, J.J. (2013) Towards a transferable and cost-effective plant AFLP protocol. *PLoS ONE*, **8**(4). e61704. doi:10.1371/journal.pone.0061704
5. **Blignaut, M.** (2012) Review of Non-coding RNAs and the epigenetic regulation of gene expression: Drivers of Natural Selection by Kevin Morris (editor). *Epigenetics*, 7:6.