

# CANCER RESEARCH PUBLICATIONS IN PEER-REVIEWED JOURNALS BY STELLENBOSCH UNIVERSITY STAFF 2019

## FACULTY OF MEDICINE AND HEALTH SCIENCES

### 1. Department of Biomedical Sciences

- **Baatjes, K. J., Kotze, M. J., McCaul, M., & Conradie, M.** (2019). Baseline bone health status in multi-ethnic South African postmenopausal breast cancer patients at initiation of aromatase inhibitor therapy: A descriptive study. *PLoS One*, *14*(4), e0214153. doi: 10.1371/journal.pone.0214153. eCollection 2019.
- **Cilliers, K., Muller, C. J. F., & Page, B. J.** (2019). Trace Element Concentration Changes in Brain Tumors: A Review. *Anatomical Record*, *303*(5), 1293-1299. doi: 10.1002/ar.24254
- Huang, S.-H., Tseng, J.-C., Lin, C.-Y., Kuo, Y.-Y., Wang, B.-J., Kao, Y.-H., **Muller, C. J. F., Joubert, E., & Chuu, C.-P.** (2019). Rooibos suppresses proliferation of castration-resistant prostate cancer cells via inhibition of Akt signaling. *Phytomedicine*, *64*, 153068. doi: 10.1016/j.phymed.2019.153068
- **Okunola, A., Torrorey-Sawe, R., Baatjes, K. J., Zemlin, A. E., Erasmus, R. T., & Kotze, M. J.** (2019). Investigation of the role of vitamin D metabolism in South African breast cancer patients using whole exome sequencing. *Breast*, *44*(1), S36. [https://doi.org/10.1016/S0960-9776\(19\)30162-6](https://doi.org/10.1016/S0960-9776(19)30162-6)
- **Scott, C. J., Schoeman, M., & Urban, M. F.** (2019). Cancer genetics: An approach to suspected hereditary breast or colorectal cancer. *South African Medical Journal*, *109*(4), 214-218. doi: 10.7196/SAMJ.2019.v109i4.13992
- Tapfuma, K. I., Uche-Okerefor, N., Sebola, T. E., **Hussan, R., Mekuto, L., Makatini, M. M., Green, E., & Mavumengwana, V.** (2019). Cytotoxic activity of crude extracts from *Datura stramonium*'s fungal endophytes against A549 lung carcinoma and UMG87 glioblastoma cell lines and LC-QTOF-MS/MS based metabolite profiling. *BMC Complementary and Alternative Medicine*, *19*(1), 330. doi: 10.1186/s12906-019-2752-9
- Uche-Okerefor, N., Sebola, T., Tapfuma, K., Mekuto, L., Green, E., & **Mavumengwana, V.** (2019). Antibacterial activities of crude secondary metabolite extracts from *Pantoea* species obtained from the stem of *Solanum mauritanium* and their effects on two cancer cell lines. *International Journal of Environmental Research and Public Health*, *16*(4), 602. doi: 10.3390/ijerph16040602

### 2. Department of Global Health

- **Christowitz, C., Davis, T., Isaacs, A., Van Niekerk, G., Hattingh, S., & Engelbrecht, A.-M.** (2019). Mechanisms of doxorubicin-induced drug resistance and drug resistant tumour growth in a murine breast tumour model. *BMC Cancer*, *19*, 1-10. doi: 10.1186/s12885-019-5939-z
- Marques, M.M., de Gonzalez, A.B., Beland, F.A., Browne, P., **Sewram, V.**, et al. IARC Monographs Priorities Group. Advisory Group recommendations on priorities for the IARC Monographs. *Lancet Oncol.* 2019 Jun;20 (6):763-764. doi: 10.1016/S1470-2045(19)30246-3. Epub 2019 Apr 17.
- Mavundza, E. J., Wiyeh, A. B., Mahasha, P. W., Halle-Ekane, G., & **Wiysonge, C. S.** (2019). A systematic review of immunogenicity, clinical efficacy and safety of human papillomavirus vaccines in people living with the human immunodeficiency virus. *Human Vaccines & Immunotherapeutics*, *16*(2), 426-435. doi: 10.1080/21645515.2019.1656481. Epub 2019 Sep 20.
- Paken, J., Govender, C. D., Pillay, M., & **Sewram, V.** (2019). A Review of Cisplatin-Associated Ototoxicity. *Seminars in Hearing*, *40*(2), 108-121. doi: 10.1055/s-0039-1684041. Epub 2019 Apr 26.
- Paken, J., Govender, C. D., Pillay, M., Ayele, B. T., & **Sewram, V.** (2019). Cisplatin associated ototoxicity: Considerations for the health care professional. In *Ototoxicity: Signs, Symptoms and Treatment*.
- **Pape, J., Swart, O., & Duvenage, R.** (2019). Four-year review of admissions to a South African regional hospital general surgery department. *South African Medical Journal*, *109*(2), 122-126. doi: 10.7196/SAMJ.2019.v109i2.13433
- **Simba, H., Kuivaniemi, H., Lutje, V., Tromp, G., & Sewram, V.** (2019). Systematic review of genetic factors in the etiology of esophageal squamous cell carcinoma in African populations. *Frontiers in Genetics*, *10*(642). doi: 10.3389/fgene.2019.00642. eCollection 2019.
- Wiyeh, A. B., Cooper, S., Jaca, A., Mavundza, E., Ndwandwe, D., & **Wiysonge, C. S.** (2019). Social media and HPV vaccination: Unsolicited public comments on a Facebook post by the Western Cape Department of Health provide insights

into determinants of vaccine hesitancy in South Africa. *Vaccine*, 37(43), 6317-6323. doi: 10.1016/j.vaccine.2019.09.019. Epub 2019 Sep 11.

### 3. Department of Medical Imaging and Clinical Oncology

- **Chinhengo, A., Serafin, A., & Akudugu, J.** (2019). Comparison of cellular sensitivity to a split radiation dose and a combination of a single radiation dose and electromagnetic field exposure. *Plasma Medicine*, 9(1), 15-22. doi: 10.1615/PlasmaMed.2018027349
- Kisting, K., Johnson, J. L., **Simonds, H.**, Zhang, L., Jhingran, A., Beadle, B. M., Burger, H., **Du Toit, M.**, Joubert, N., Makufa, R., Shaw, W., Trauernicht, C., Balter, P., Howell, R. M., Schmeler, K., & Court, L. (2019)<sup>3</sup>. A risk assessment of automated treatment planning and recommendations for clinical deployment. *Medical Physics*, 46(6), 2567-2574. doi: 10.1002/mp.13552. Epub 2019 May 6.
- Kisting, K., Zhang, L., Shaitelman, S. F., Anderson, D., Thebe, T., Yang, J., Balter, P. A., Howell, R. M., Jhingran, A., Schmeler, K., **Simonds, H.**, **Du Toit, M.**, Trauernicht, C., Burger, H., Botha, K., Joubert, N., Beadle, B. M., & Court, L. (2019)<sup>2</sup>. Automated treatment planning of postmastectomy radiotherapy. *Medical Physics*, 46(9), 3767-3775. doi: 10.1002/mp.13586. Epub 2019 Jul 9.
- Kisting, K., Zhang, L., **Simonds, H.**, Fakie, N., Yang, J., McCarroll, R., Balter, P., Burger, H., Bogler, O., Howell, R., Schmeler, K., Mejia, M., Jhingran, A., Court, L., & Beadle, B. M. (2019)<sup>1</sup>. Fully automatic treatment planning for external-beam radiation therapy of locally advanced cervical cancer: A tool for low-resource clinics. *Journal of Global Oncology*, 2019(5), 1-9. doi: 10.1200/JGO.18.00107
- **Maleka, S., Serafin, A. M., & Akudugu, J. M.** (2019). PI3K and mTOR inhibitor, NVP-BEZ235, is more toxic than X-rays in prostate cancer cells. *International Journal of Radiation Research*, 17(1), 37-45. doi: 10.18869/acadpub.ijrr.17.1.37
- **Njovu, C., & Simonds, H.** (2019). Cervical cancer in young women treated at a single institution – a retrospective cohort study. *International Journal of Gynecological Cancer*, 29(3, SI), A91. <https://doi.org/10.1136/ijgc-2019-IGCS.207>
- **Simonds, H., Botha, H., Ellmann, A., Warwick, J., Doruyter, A., Van der Merwe, H., & Jacobson, J.** (2019). PET-CT findings in HIV-positive and negative patients with locally advanced cervical cancer in a South African cohort. *International Journal of Gynecological Cancer*, 29(3, SI), A53. <https://doi.org/10.1136/ijgc-2019-IGCS.105>
- **Twycross, S. H., Burger, H., & Holness, J.** (2019). The utility of PET-CT in the staging and management of advanced and recurrent malignant melanoma. *South African Journal of Surgery*, 57(3), 44-49.
- Vorster, M., **Warwick, J.**, Lawal, I. O., Du Toit, P., Vangu, M., Nyakale, N. E., Steyn, R., Gutta, A. A., Hart, G., Mutambirwa, S., **Ellmann, A.**, & Satheke, M. M. (2019). South African guidelines for receptor radioligand therapy (RLT) with Lu-177-PSMA in prostate cancer. *South African Journal of Surgery*, 57(4), 45-51.
- Wedman, J., **Pruim, J.**, Van der Putten, L., Hoekstra, O. S., De Bree, R., Van Dijk, B. A. C., & Van der Laan, B. F. A. M. (2019). Is C-11 Methionine PET an alternative to 18-F FDG-PET for identifying recurrent laryngeal cancer after radiotherapy? *Clinical Otolaryngology*, 44(2), 124-130. doi: 10.1111/coa.13242. Epub 2018 Nov 18.

### 4. Department of Obstetrics and Gynaecology

- Moodley, J., Constant, D., **Botha, M. H., Van der Merwe, F. H.**, Edwards, A., & Momberg, M. (2019). Exploring the feasibility of using mobile phones to improve the management of clients with cervical cancer precursor lesions. *BMC Women's Health*, 19(1):2. doi: 10.1186/s12905-018-0702-1
- **Paulsen, C., & Gebhardt, S.** (2019). An evidence-based breast cancer screening protocol for O&G. *Obstetrics and Gynaecology Forum*, 29(1), 17-20.
- **Van der Merwe, H.** (2019). Endometrial cancer – What is new? *Obstetrics and Gynaecology Forum*, 29(1), 10-15.

### 5. Department of Paediatrics and Child Health

- Afungchwi, G. M., **Hesseling, P., Van Elsland, S. L.**, Kouya, F., & **Kruger, M.** (2019). Destitution, treatment adherence and survival of children with Burkitt lymphoma in a twinning programme in Northwest Cameroon. *Pediatric Blood and Cancer*, 66(12), e27946. doi: 10.1002/pbc.27946. Epub 2019 Aug 22.
- Hendricks, M., Cois, A., Du Plessis, J., Geel, J., Bassingthwaite, M., Naidu, G., Biance, R., Buchner, A., Omar, F., Thomas, K., Uys, R., Van Zyl, A., Van Heerden, J., Mahlachana, N., Vermeulen, J., Davidson, A., Frazier, A. L., Donald, K., & **Kruger, M.** (2019). Favourable Outcomes for South African Children and Adolescents with Mature and Immature Teratomas (1990-2015): First Report by the South African Children Cancer Study Group. *Pediatric Blood & Cancer*, 66(4, SI), S598-S599.
- Hendricks, M., Cois, A., Geel, J., Du Plessis, J., Bassingthwaite, M., Naidu, G., Rowe, B., Buchner, A., Omar, F., Thomas, K., Uys, R., Van Zyl, A., Van Heerden, J., Mahlachana, N., Vermeulen, J., Davidson, A., Frazier, A. L., Donald, K., & **Kruger, M.**

(2019). Favorable Outcomes for Children with Biopsy Proven Malignant Extracranial Germ Cell Tumours 1990-2015: A First National Report by the South African Children's Cancer Study Group (SACCSG). *Pediatric Blood & Cancer*, 66(4, SI), S306-S307.

- Kouya, F. N. T. E., **Hesseling, P.**, Wharin, P., Nana, P., Mbah, G., & Njamshi, V. (2019). Improving Access to Care for Children with Cancer in Rural Cameroon. *Pediatric Blood & Cancer*, 66(4, SI), S235.
- Njodzeka, B., Afungchwi, G. M., Kinang, P., Wharin, P., Kouya, F., Madimba, C., & **Hesseling, P. B.** (2019). HIV Prevalence and Disease Outcome Among Patients with Childhood Cancer in Mbingo, Bango, and Mutengene Baptist Hospitals, Cameroon. *Pediatric Blood & Cancer*, 66(4, SI), S112.
- **Schoeman, J.**, Kellerman, I., Ladas, E. J., Rogers, P. C., Aryal, S., & **Kruger, M.** (2019). The Prevalence of Household Food Insecurity Affecting Children Diagnosed with Cancer in Two Paediatric Oncology Units in South Africa. *Pediatric Blood & Cancer*, 66(4, SI), S540.
- **Schoeman, J.**, Ladas, E. J., Rogers, P. C., Aryal, S., & **Kruger, M.** (2019). Unmet needs in nutritional care in African paediatric oncology units. *Journal of Tropical Pediatrics*, 65(4), 397-404. doi: 10.1093/tropej/fmy068
- **Van Heerden, J.**, Hendricks, M., Geel, J., Sartorius, B., Hadley, G. P., Du Plessis, J., Büchner, A., Naidu, G., Van Emmenes, B., **Van Zyl, A.**, & **Kruger, M.** (2019). Overall survival for neuroblastoma in South Africa between 2000 and 2014. *Pediatric Blood and Cancer*, 66, e27944. <https://doi.org/10.1002/pbc.27944>

#### 6. Department of Medicine

- **Du Plessis, P. J.**, Leventer, M., Krekels, G., **De Wet, J. D.**, & Laeuchli, S. (2019). Outcomes of Mohs Micrographic Surgery at the American Society for Dermatologic Surgery International Traveling Mentorship Program International Mohs Fellowship Recognition Units: A Retrospective Survey of 5889 Cases from South Africa, Romania, and the Net. *Dermatologic Surgery*, 45, S155-S162. doi: 10.1097/DSS.0000000000002251
- Duru, K. C., Kovaleva, E. G., Danilova, I. G., & **Van der Bijl, P.** (2019). The pharmacological potential and possible molecular mechanisms of action of *Inonotus obliquus* from preclinical studies. *Phytotherapy Research*, 33(8), 1966-1980. doi: 10.1002/ptr.6384. Epub 2019 Jun 17.
- **Fazel, F.**, & **Bassa, F.** (2019). An approach to the diagnosis and management of multiple myeloma. *South African Medical Journal*, 109(10), 723-727. doi: 10.7196/SAMJ.2019.v109i10.14376
- **Koegelenberg, C. F. N.**, Dorfman, S., Schewitz, I., Richards, G. A., Maasdorp, S., Smith, C., & Dheda, K. (2019). Recommendations for lung cancer screening in Southern Africa. *Journal of Thoracic Disease*, 11(9), 3696-3703. doi: 10.21037/jtd.2019.08.66
- **Makiwane, M.**, **Decloedt, E.**, Chirehwa, M., **Rosenkranz, B.**, & Kruger, M. (2019). Adverse drug reactions in paediatric in-patients in a South African tertiary hospital. *Journal of Tropical Pediatrics*, 65(4), 389-396. doi: 10.1093/tropej/fmy067
- **Tod, B. M.**, Kellett, P. E., Singh, E., **Visser, W. I.**, Lombard, C. J., & Wright, C. Y. (2019). The incidence of melanoma in South Africa: An exploratory analysis of national cancer registry data from 2005 to 2013 with a specific focus on melanoma in black Africans. *South African Medical Journal*, 109(4), 246-253. doi: 10.7196/SAMJ.2019.v109i4.13565
- Van Zyl, A., Schubert, P. T., & **Koegelenberg, C. F. N.** (2019). The utility of TTF-1, napsin A, CK5 and p63 staining in the sub-classification of non-small cell carcinoma of the lung. *Cytopathology*, 30(6), 586-591. doi: 10.1111/cyt.12741. Epub 2019 Jul 25.
- Wright, C. Y., Norval, M., Kapwata, T., Du Preez, D. J., Wernecke, B., **Tod, B. M.**, & **Visser I, W.** (2019). The Incidence of Skin Cancer in Relation to Climate Change in South Africa. *Atmosphere*, 10(10). <https://doi.org/10.3390/atmos10100634>

#### 7. Department of Pathology

- **Grant, K. A.**, **Myburgh, E. J.**, Murray, E., Pienaar, F. M., Kidd, M., **Wright, C. A.**, & Kotze, M. J. (2019). Reclassification of early stage breast cancer into treatment groups by combining the use of immunohistochemistry and microarray analysis. *South African Journal of Science*, 115(3-4). doi: 10.17159/sajs.2019/5461
- Monaco, S. E., Baloch, Z. W., Rossi, E. D., Teot, L. A., & **Wright, C.** (2019). The application of current classification systems in pediatric cytopathology: Perspectives from the pediatric cytopathology symposium at the 20th International Congress of Cytology 2019. *Cancer Cytopathology*, 127(10), 625-631. doi: 10.1002/cncy.22166. Epub 2019 Sep 25.
- Petersen, D. C., Jaratlerdsiri, W., **Van Wyk, A.**, Chan, E. K. F., Fernandez, P., Lyons, R. J., Mutambirw, S. B. A., Van der Merwe, A., Venter, P. A., **Bates, W.**, Bornman, M. S. R., & Hayes, V. M. (2019). African KhoeSan ancestry linked to high-risk prostate cancer. *BMC Medical Genomics*, 12(1):82. doi: 10.1186/s12920-019-0537-0

• **Van Zyl, A., Schubert, P. T., & Koegelenberg, C. F. N.** (2019). The utility of TTF-1, napsin A, CK5 and p63 staining in the sub-classification of non-small cell carcinoma of the lung. *Cytopathology*, 30(6), 586-591. doi: 10.1111/cyt.12741. Epub 2019 Jul 25.

8. Department of Surgical Sciences

• De Rose, A. F., **Mantica, G.**, Gallo, F., Dotta, F., Testino, N., **Van der Merwe, A.**, & Terrone, C. (2019). Risk factors for the delay in the diagnosis of penile lesions: results from a single center in Italy. *The Italian Journal of Urology and Nephrology*, 71(3), 258-263. doi: 10.23736/S0393-2249.18.03189-2

• **Edge, J.**, Parker, M., Maliepaard, M., & Ung, O. (2019). Lymph node harvest in breast cancer patients with and without preoperative scintigraphy. *South African Journal of Surgery*, 57(1), 7-10. <http://dx.doi.org/10.17159/2078-5151/2018/v56n3a2737>

• **Mantica, G., Benelli, A., Ackermann, H., Nxumalo, Z., Solaiman, A.**, Dotta, F., **Van der Merwe, A.**, & Terrone, C. (2019). Clinical and histopathological features of carcinosarcoma of the renal pelvis: A systematic review of a rare tumor. *The Italian Journal of Urology and Nephrology*, 71(2), 121-126. doi: 10.23736/S0393-2249.18.03192-2

• **Mantica, G., Van der Merwe, A.**, Terrone, C., Gallo, F., **Zarrabi, A. D., Vlok, A. L., Ackermann, H. M.**, Territo, A., Esperto, F., Olapade-Olapa, E. O., Riccardi, N., Bongers, M., & Bonkat, G. (2019). Awareness of European practitioners toward uncommon tropical diseases: are we prepared to deal with mass migration? Results of an international survey. *World Journal of Urology*, 38(7), 1773-1786. doi: 10.1007/s00345-019-02957-7

• **Meyer, D., & Smit, D. P.** (2019). Eyelid and Orbital Involvement in HIV Infection – An African Perspective. *Ocular Immunology and Inflammation*, 28(7), 1022-1030. doi: 10.1080/09273948.2019.1705987

9. Department of Nursing and Midwifery

• **Stecher, N. E., Cohen, M. A., & Myburgh, E. J.** (2019). Experiences of women in survivorship following mastectomy in the Cape Metropole. *South African Journal of Surgery*, 57(1), 19-23. <http://dx.doi.org/10.17159/2078-5151/2019/v57n1a2746>

## FACULTY OF SCIENCE

### 1. Department of Biochemistry

- De Jager, C., Aneck-Hahn, N., Van Zijl, M., **Hayward, S., Swart, P.**, & Genthe, B. (2019). Endocrine disrupting chemicals in commercially available cling film brands in South Africa. *Human and Ecological Risk Assessment*, 25(6), 1633-1644. <https://doi.org/10.1080/10807039.2018.1471659>
- **Gent, R., Du Toit, T., & Swart, A. C.** (2019)<sup>1</sup>. 11 $\alpha$ -Hydroxyprogesterone, a potent 11 $\beta$ -hydroxysteroid dehydrogenase inhibitor, is metabolised by steroid-5 $\alpha$ -reductase and cytochrome P450 17 $\alpha$ -hydroxylase/17,20-lyase to produce C11 $\alpha$ -derivatives of 21-deoxycortisol and 11-hydroxyandrostenedione in vitro. *Journal of Steroid Biochemistry and Molecular Biology*, 191, 105369. doi: 10.1016/j.jsbmb.2019.04.018. Epub 2019 Apr 27.
- **Gent, R., Du Toit, T., Bloem, L. M., & Swart, A. C.** (2019)<sup>2</sup>. The 11 $\beta$ -hydroxysteroid dehydrogenase isoforms: pivotal catalytic activities yield potent C11-oxy C 19 steroids with 11 $\beta$ HSD2 favouring 11-ketotestosterone, 11-ketoandrostenedione and 11-ketoprogesterone biosynthesis. *Journal of Steroid Biochemistry and Molecular Biology*, 189, 116-126. doi: 10.1016/j.jsbmb.2019.02.013. Epub 2019 Feb 27.
- **Storbeck, K.-H.**, & Mostaghel, E. A. (2019). Canonical and Noncanonical Androgen Metabolism and Activity. *Advances in Experimental Medicine and Biology*, 1210, 239-277. doi: 10.1007/978-3-030-32656-2\_11

### 2. Department of Chemistry and Polymer Science

- Cimmino, A., Nimis, P. L., Masi, M., De Gara, L., **Van Otterlo, W. A. L.**, Kiss, R., Evidente, A., & Lefranc, F. (2019). Have lichenized fungi delivered promising anticancer small molecules? *Phytochemistry Reviews*, 18(1), 1-36. <https://doi.org/10.1007/s11101-018-9577-x>
- Dasari, R., Błaż, A., Medellin, D. C., Kassim, R. M., Viera, C., Santarosa, M., **Van der Westhuyzen, A. E., Van Otterlo, W. A. L.**, Olivas, T., Yildiz, T., Betancourt, T., Shuster, C. B., Rogelj, S., Rychlik, B., Hudnall, T., Frolova, L. V., & Kornienko, A. (2019). Microtubule-Targeting 7-Deazahypoxanthines Derived from Marine Alkaloid Rigidins: Exploration of the N3 and N9 Positions and Interaction with Multidrug-Resistance Proteins. *ChemMedChem*, 14(3), 322-333. doi: 10.1002/cmdc.201800658. Epub 2019 Jan 25.
- Hussain, H., **Green, I. R.**, Saleem, M., Khattak, K. F., Irshad, M., & Ali, M. (2019). Cucurbitacins as anticancer agents: A patent review. *Recent Patents on Anti-Cancer Drug Discovery*, 14(2), 133-143. doi: 10.2174/1574892813666181119123035
- **Kaschula, C. H.**, Tuveri, R., Ngarande, E., Dzobo, K., Barnett, C., Kusza, D. A., Graham, L. M., Katz, A. A., Rafudeen, M. S., Parker, M. I., Hunter, R., & Schäfer, G. (2019). The garlic compound ajoene covalently binds vimentin, disrupts the vimentin network and exerts anti-metastatic activity in cancer cells. *BMC Cancer*, 19(1), 248. doi: 10.1186/s12885-019-5388-8
- Lategahn, J., Keul, M., Klövekorn, P., Tumbrink, H. L., Niggenaber, J., Müller, M. P., **Hodson, L.**, Flaßhoff, M., Hardick, J., Grabe, T., Engel, J., Schultz-Fademrecht, C., Baumann, M., Ketzer, J., Mühlenberg, T., Hiller, W., Günther, G., Unger, A., Müller, H., Heimsoeth, A., Golz, C., Blank-Landeshammer, B., Kollipara, L., Zahedi, R. P., Strohmam, C., Hengstler, J.G., **Van Otterlo, W. A. L.**, Bauer, S. & Rauh, D. (2019). Inhibition of osimertinib-resistant epidermal growth factor receptor EGFR-T790M/C797S. *Chemical Science*, 10(46), 10789-10801. doi: 10.1039/c9sc03445e. eCollection 2019 Dec 14.
- **Mabank, T.**, Alexandre, K. B., **Pelly, S. C., Green, I. R., & Van Otterlo, W. A. L.** (2019). Synthesis of 2-substituted tetrahydroisoquinolin-6-ols: potential scaffolds for estrogen receptor modulation and/or microtubule degradation. *ARKIVOC*, 4, 245-279.
- Masi, M., Van Slambrouck, S., Gunawardana, S., **Van Rensburg, M. J.**, James, P. C., Mochel, J. G., Heliso, P. S., Albalawi, A. S., Cimmino, A., **Van Otterlo, W. A. L.**, Kornienko, A., **Green, I. R.**, & Evidente, A. (2019). Alkaloids isolated from *Haemanthus humilis* Jacq., an indigenous South African Amaryllidaceae: Anticancer activity of coccinine and montanine. *South African Journal of Botany*, 126, 277-281. <https://doi.org/10.1016/j.sajb.2019.01.036>
- Singh, A. P., Singh, R., Verma, S. S., Rai, V., **Kaschula, C. H.**, Maiti, P., & Gupta, S. C. (2019). Health benefits of resveratrol: Evidence from clinical studies. *Medicinal Research Reviews*, 39(5), 1851-1891. doi: 10.1002/med.21565. Epub 2019 Feb 11.
- **Van Niekerk, A., Chellan, P., & Mapolie, S. F.** (2019). Heterometallic Multinuclear Complexes as Anti-Cancer Agents – An Overview of Recent Developments. *European Journal of Inorganic Chemistry*, 2019(30), 3432-3455. doi:10.1002/ejic.201900375

### 3. Department of Mathematical Sciences

- Malinzi, J., & **Amima, I.** (2019). Mathematical analysis of a tumour-immune interaction model: A moving boundary problem. *Mathematical Biosciences*, 308, 8-19. doi: 10.1016/j.mbs.2018.12.009. Epub 2018 Dec 8.

### 4. Department of Physiological Science

- Bleloch, J. S., **Du Toit, A.**, Gibhard, L., Kimani, S., Ballim, R. D., Lee, M., Blanckenberg, A., Mapolie, S., Wiesner, L., **Loos, B.**, & Prince, S. (2019). The palladacycle complex AJ-5 induces apoptotic cell death while reducing autophagic flux in rhabdomyosarcoma cells. *Cell Death Discovery*, 5(1), 60. doi: 10.1038/s41420-019-0139-9. eCollection 2019.
- **Engelbrecht, A.-M.**, **Fourie, C.**, & Mitchell, M. (2019). Therapy resistance: Do Cancer-Associated Fibroblasts Contribute? *Cell Death Discovery*, 5.
- **Fourie, C.**, **Davis, T.**, **Kriel, J.**, & **Engelbrecht, A.-M.** (2019). The paracrine effects of fibroblasts on Doxorubicin-treated breast cancer cells. *Experimental Cell Research*, 381(2), 280-287. doi: 10.1016/j.yexcr.2019.05.020. Epub 2019 May 20.
- **Kriel, J.**, & **Loos, B.** (2019). The good, the bad and the autophagosome: exploring unanswered questions of autophagy-dependent cell death. *Cell Death and Differentiation*, 26(4), 640-652. doi: 10.1038/s41418-018-0267-4. Epub 2019 Jan 18.
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