



## Medicine in the Era of 4th Industrial Revolution, Where do we place Cancer? Exploring Emerging Biomedical Diagnostic and Treatment Technologies

### Facilitators:

Dr Palesa Sekhejane, Human Sciences Research Council (HSRC)

Dr Steven Mufamadi, Nabio Consulting

**INVITATION**

**Date:** 25 October 2018 || **Time:** 9:30 - 15:30 || **Venues:** Pretoria, Durban, Cape Town and PE

Significant shift from deaths caused by communicable to non-communicable diseases in South Africa is on the rise. Cancer is now in the second position on the list of causes of deaths in the country under the category of non-communicable diseases. The leading cancers in South Africa are prostate, basal cell carcinoma, breast cancer, cervix and colorectal. In 2014 alone, histologically diagnosed cancer (all) cases in female were 37 787, and 36 790 for males. Frequency of diagnosis peaks from age 25 with an increase in likelihood as the population ages beyond 30-35 years. To this end, there is a need to prioritise biomedical innovation as an intervention strategy. The social impact of cancer triggers multiple challenges for mental health, which can be reduced or avoided by early detection systems. Whilst there is a significant amount of effort dedicated to HIV/TB in South Africa, cancer is expected to top list killers in the near future because it is a slow developing disease and early detection methods are not advanced. Fourth industrial revolution should not leave human health behind, especially because one of the factors that slows down the public healthcare is human capital.

In this seminar, we are interested to explore existing challenges in the public healthcare system in deploying use of emerging cancer diagnostic models as well as application of therapeutic modalities.

The topics of discussions will include;

- The social impact of cancer
- WHO cancer control programme
- Is cancer disease the next threat to South Africans?
- Where do we place cancer in the Era of 4th Industrial Revolution?
- Emerging biomedical diagnostic and treatment technologies for cancer
- The next wave of innovation in oncology by pharmaceutical companies

Kindly RSVP by 23 October 2018

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Pretoria: HSRC Video Conference, 1st floor HSRC Library Human Sciences Research Council, 134 Pretorius Street, Pretoria. Contact: Arlene Grossberg, Tel: (012) 302 2811, e-mail: [acgrossberg@hsrc.ac.za](mailto:acgrossberg@hsrc.ac.za) or Steven Mufamadi, e-mail: [steven.mufamadi@gmail.com](mailto:steven.mufamadi@gmail.com)

Cape Town: HSRC, Merchant House 116-118 Buitengracht Street Cape Town, Cape Town. Contact: Carmen Erasmus, Tel: (021) 466 7827, e-mail: [CErasmus@hsrc.ac.za](mailto:CErasmus@hsrc.ac.za)

Durban: The Atrium, 5th Floor, 430 Peter Mokaba Ridge, Berea, 4001. Contact: Ridhwaan Khan, Tel (031) 242 5400, cell: 083 788 2786 or [RKhan@hsrc.ac.za](mailto:RKhan@hsrc.ac.za) or Wiseman Mbambo, e-mail: [wmbambo@hsrc.ac.za](mailto:wmbambo@hsrc.ac.za)

Port Elizabeth: Ascot Office Park, Cnr of Ascot and Conyngham Roads, Left Wing, 1st Floor, Port Elizabeth 6001. Contact: Nomfanelo Plaatjie, email: [nplaatjie@hsrc.ac.za](mailto:nplaatjie@hsrc.ac.za) or 041 393 9500