

# Curriculum Vitae of Bongekile Skosana

## Education history

---

Bachelor of Health Science – Biomedical Sciences, Health Sciences  
University of Witwatersrand – Johannesburg, Gauteng, South Africa

Bachelor of Science (Honours) – Medical Science, Health Sciences  
Stellenbosch University – Stellenbosch, South Africa

PhD (Medical Physiology) – Medical Science, Health Sciences  
Stellenbosch University – Stellenbosch, South Africa

## Accomplishments

---

### Courses

#### **AAAS Science Diplomacy and Leadership**

June 2018, Washington D.C.

American Association For The Advancement Of Science

#### **Science communication**

May-August 2019

Centre for Research on Evaluation, Science and Technology (CREST)  
Stellenbosch University

#### **Global Health Diplomacy**

July 2019

Department for Continuing Education  
University of Oxford

### Book Chapters:

**Skosana, B.**, Aboua, G. and du Plessis, S.S. (2014). Buchu - Multi-purpose ethnomedicinally important specie and its benefits in the reproductive system. *In: Antioxidant-Antidiabetic Agents and Human Health*. Ed: Oguntibeju, O. ISBN 978-953-51-1215-0, InTech – Open Access Publisher. Chapter 13 pp 297 - 316

**Bongekile Skosana**, Ibukun P. Oyeyipo, Stefan S. Du Plessis (2016) Introduction to Reactive Oxygen Species: Emphasizing their importance in the male reproductive system. *In: Reactive Oxygen Species in Biology and Human Health: a Comprehensive Treatise*. Ed: Dr Shamim Ahmad. Taylor and Francis/CRC Press, USA. Chapter 1

Ibukun P. Oyeyipo, **Bongekile Skosana**, Stefan S. Du Plessis (2016). Reactive Oxygen Species and Male Fertility. *In: Reactive Oxygen Species in Biology and Human Health: a Comprehensive Treatise*. Ed: Dr Shamim Ahmad. Taylor and Francis/CRC Press, USA. Chapter 31

### Manuscripts:

Goss D, Oyeyipo IP, **Skosana BT**, Ayad BM, Du Plessis SS. Ameliorative potentials of quercetin against cotinine-induced toxic effects on human spermatozoa. *Asian Pacific Journal of Reproduction* 2016;5(3):193-197

Gerhard Van Der Horst, **Bongekile Skosana**, Audrey Legendre, Ibukun P. Oyeyipo, Stefan S. du Plessis. Cut-off values for normal sperm morphology and toxicology for automated analysis of rat sperm morphology and morphometry. *Biotechnic and Histochemistry* 2018;1-10

Temidayo S. Omolaoye, **Bongekile T.Skosana**, Stefan S.du Plessis. Diabetes mellitus- induction: Effect of different streptozotocin doses on male reproductive parameters. *Acta Histochemica* 2018;120(2):103-109

Oyeyipo IP, **Skosana BT**, Everson FP, Strijdom H, du Plessis SS. Highly Active Antiretroviral Therapy Alters Sperm Parameters and Testicular Antioxidant Status in Diet-Induced Obese Rats. *Toxicological Research* 2018;34(1):41-48.

Melissa Adomako, Alaei Kamiar, Abdulla Alshaikh, Lyndsay S. Baines, Desiree Benson, Douglas W. Bettcher, Baljit Cheema, Lex Corijn, Evan Fountain, Bartosz G. Gdaniec, Elan Garonzik, Mary Harney, Rahul M. Jindal, Kate Jones, David Kerr, Deena Mehjabeen, Nick P. Vahid, Emem Okonetuk, Nathalia Pompeu, **Bongekile Skosana**, Soo Tan, Karabo Thokwane & Tyson Welzel. Oncopolicy and global health diplomacy in times of rising populism. *Journal of Public Health Policy* 2020;41:230-232

Melissa Adomako, Alaei Kamiar, Abdulla Alshaikh, Lyndsay S Baines, Desiree Benson, Douglas W Bettcher, Baljit Cheema, Lex Corijn, Evan Fountain, Bartosz G Gdaniec, Elan Garonzik, Mary Harney, Rahul M Jindal, Kate Jones, David Kerr, Deena Mehjabeen, Nick P Vahid, Emem Okonetuk, Nathalia Pompeu, Bongekile Skosana, Soo Tan, Karabo Thokwane, Tyson Welzel. The burgeoning role of global health diplomacy to alleviate suffering of cancer patients in low- and middle-income countries. *International Health*, 2020;12(3):231-233

Conference presentations:

**B.T. Skosana**, Johann P. Maartens, S.S. Du Plessis. Tobacco smoking and its contribution to infertility – the role of cotinine. The 57<sup>th</sup> Academic Day of the Faculty of Medicine and Health Sciences, Stellenbosch University, 13-14 August 2013, Tygerberg Campus RSA.

**Skosana BT**, Aboua YG, Webster I, Du Plessis SS. Obesity and male infertility – a molecular investigation. 42<sup>nd</sup> Annual Conference of the Physiological Society of Southern Africa, 14 – 17 September 2014, Durban, RSA.

**Skosana BT**, Aboua YG, Webster I, Lochner A, Du Plessis SS. Obesity and male infertility. DST-NRF Intern Research Day, 27 February 2015, Cape Peninsula University of South Africa, Bellville, South Africa

**Skosana BT**, Hattingh SM, Webster I, Lochner A, Du Plessis SS. The

proteomics of obesity-induced male infertility. 43<sup>rd</sup> Annual Conference of the Physiological Society of Southern Africa, 6 – 9 September 2015, Parys, Free State, RSA.

**B Skosana**, S Hattingh, I Webster, A Lochner, G van der Horst, G Aboua, SS Du Plessis. A proteomic search for biomarkers of obesity induced-male infertility. 44th Annual conference of the Physiology Society of Southern Africa, 28-31 August 2016, The River Club, Cape Town, SA.

**B Skosana**, SM Hattingh, I Webster, A Lochner, G van der Horst, YG ABoua, SS du Plessis. (2016) Obesity-related testicular histological changes explained by proteomics. Conference of the Polish Society of Andrology – 18th Andrology Day. 30 September - 1 October 2016. Novotel, Gdansk, Poland.

Stefan S du Plessis, Dale M Goss, Bashir M Ayad, **Bongekile T Skosana**, Gerhard van der Horst, Improved sperm motility after short abstinence: The role of accessory sex gland secretions. XIII th International Symposium on Spermatology, Stockholm, Sweden, May 9-13, 2018

**Bongekile Skosana**, Suzel Hattingh, Ingrid Webster, Amanda Lochner, Stefan S Du Plessis  
Sperm proteins implicated in obesity-induced male infertility  
10th European Congress of Andrology, 11-13 October 2018  
Budapest, Hungary

**Skosana B.T.**, Tabb D., Wang, X., Webster, I., Lochner, A., van der Horst, G., Aboua, Y.G., du Plessis, S.S. Oxidative stress in male reproductive organs: a proteomic investigation of a chronic diet-induced obesity model in male Wistar rats. 47th Annual conference of the Physiology Society of Southern Africa, 18-21 August 2019, East London, SA.

**Skosana B.T.**, Tabb D., Wang, X., Webster, I., Lochner, A., van der Horst, G., Aboua, Y.G., du Plessis, S.S. Oxidative stress in the male reproductive system and the proteins that may cause it: a proteomic investigation into oxidative damage in obesity-induced male fertility. 10th Annual Biomedical Research and Innovation Platform (BRIP) Symposium, Medical Research Council, 19-20 October 2020, Tygerberg, SA.

## Work Experience

---

- Dec 2009** Position/Job title: Facilitator  
Company: Wholesale and Retail SETA of South Africa  
Job description: Taught a post-matric course in retail to matriculants on behalf of the Wholesale and Retail SETA
- April 2014-March 2015** Position/Job title: Intern  
Company: National Research Foundation  
Job description: Research, Teaching, Administration
- March 2015 – April 2016** Position/Job title: Research Assistant/Lab Manager  
Company: Division of Medical Physiology, Stellenbosch University  
Job description: Research, Training , Administration
- May 2016 - Present** Position/Job title: Junior Lecturer  
Company: Division of Medical Physiology, Stellenbosch University  
Job description: Teaching, Research, Training , Administration

## References

---

Prof. Stefan du Plessis

Contact detail: ssdp@sun.ac.za

Telephone number: 021 938 9388

Position: Head: Division of Medicine and Health Sciences, Faculty of Medicine and Health Sciences, Stellenbosch University

Prof. Hans Strijdom

Contact details: jgstr@sun.ac.za

Telephone number: 021 931 9387

Position: Head of Postgraduate studies - Division of Medical Physiology, Stellenbosch University