



# Bixa Ogola

DR

University of Venda

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## Education

### University of Venda

PHD IN MICROBIOLOGY

South Africa

2023

- Thesis: Human immunodeficiency virus type 1 diversity in patients initiating treatment in Limpopo province, South Africa

### University of Venda

MSC IN MICROBIOLOGY

South Africa

2016

- Dissertation: Recombination events and epitope prediction in HIV-1 strains from Southwest Cameroon

### University of Venda

BSC HONOURS IN BIOCHEMISTRY

South Africa

2010

- Coursework and mini-dissertation

### University of Venda

BSC IN BIOCHEMISTRY AND BIOLOGICAL SCIENCES

South Africa

2008

- Biochemistry, Bacteriology, Immunology, Virology, molecular genetics and biotechnology

### Almighty learning center

HIGH/SECONDARY SCHOOL

South Africa

2002

- Matric certificate

## Research activities

### South Africa Medical Research Council (MRC)

Transmitted and acquired HIV drug resistance

TUTORIAL FELLOW

2020

### National Academies of Sciences Engineering and Medicine (Washington DC, USA)

Effectiveness of point-of-use water treatment technologies to prevent child stunting in South Africa

RESEARCH ASSISTANT

2019

## Academic support roles

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### University of Venda Work-study Department

MICROBIOLOGY LAB DEMONSTRATOR

*Preparing undergraduate lab sessions and assist with lab sessions*

Mar 2019 - Nov 2019

### University of Venda Work-study Department

MICROBIOLOGY LAB DEMONSTRATOR

*Preparing undergraduate lab sessions and assist with lab sessions*

Mar 2018 - Nov 2018

### University of Venda Work-study Department

MICROBIOLOGY LAB DEMONSTRATOR

*Preparing undergraduate lab sessions and assist with lab sessions*

Mar 2017 - Nov 2017

### University of Venda Centre for higher education teaching and learning (Academic development unit)

TUTOR

*Preparing tutorials, assist with marking lab and assignment scripts*

Mar 2015 - Nov 2015

### University of Venda Work-study Department

MICROBIOLOGY LAB DEMONSTRATOR

*Preparing undergraduate lab sessions and assist with lab sessions*

Mar 2013 - Nov 2013

### University of Venda

BIOCHEMISTRY LAB DEMONSTRATOR

*Preparing undergraduate lab sessions and assist with lab sessions*

Mar 2009 - Nov 2009

### University of Venda

BIOCHEMISTRY LAB DEMONSTRATOR

Mar 2008 - Nov 2008

## Conferences

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### Prevalence and diversity of HIV drug resistance mutations in patients entering treatment programmes in Northern South Africa

INTERNATIONAL CONFERENCE ON AIDS AND STI'S IN AFRICA

*Kigali, Rwanda*

2019

## Publications

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1. Ogola, B. O. (2017). *Recombination events and epitope prediction in HIV-1 strains from southwest cameroon.*
2. Ogola, B., Matume, N. D., Mavhandu-Ramarumo, L. G., Tebit, D. M., & Bessong, P. O. (2022). Drug resistance mutations in a population before antiretroviral therapy initiation in northern south africa. *AIDS Research and Human Retroviruses*, 38(3), 248–256. <https://doi.org/10.1089/aid.2021.0026>
3. Ogola, B., Matume, N. D., Mavhandu-Ramarumo, L. G., Tebit, D. M., & Bessong, P. O. (2024). Immunologic, virologic and drug resistance, outcomes in an HIV-infected cohort on treatment in south africa. *PLOS One*. <https://doi.org/in press>