



BIOGRAPHICAL SKETCH

Valerie Flore DONKENG DONFACK, PhD, Researcher, Mycobacteriology Unit, Tuberculosis National Reference Laboratory, Centre Pasteur du Cameroun, 451 Rue 2005, Yaoundé 2 BP 1274, Yaoundé, Cameroun

Education

2008-2015, PhD.	Biochemistry	University of Yaoundé 1 Cameroon University of Minho, Portugal.
2012, Training on Fundamentals in Immunology and Infection.	Immunology	University of Minho, Portugal.
2012, Training on Laboratory Animal Science.	Laboratory Animal Science	University of Minho, Portugal.
2012, Training on biosafety Level 3 Laboratory	Biosafety and Biosecurity	University of Minho, Portugal.
2007, Master with thesis.	Biochemistry	University of Yaoundé 1 Cameroon
2003, Bachelor.	Biochemistry	University of Yaoundé 1 Cameroon

Personal statement

During my master program, I had a great interest with microbiology. Hence, for my PhD program, I conducted a research work on "Evaluation of Antimycobacterial Properties of Some Cameroonian Medicinal Plants". For this research study, I followed a training on biosafety Level 3 Laboratory. My PhD research project led to my integration to Mycobacteriology Unit of Centre Pasteur du Cameroun. This Unit is the National Reference Laboratory for Tuberculosis (NRL-TB). I play a key role in the technical, scientific and administrative management of the Laboratory. I work actively with the National Tuberculosis Program (NTP) to manage Tuberculosis Laboratory Network in Cameroon, to plan and implement new TB diagnostic tools at the national or sub-national level. I am involved in the implementation of TB-LAMP (WHO-recommended rapid diagnostics (WRDs) in Cameroon as replacement of microscopy. I participated in the sample reception and analysis for Hemorrhagic fever during Ebola outbreak in 2014. I am a talented, hardworking and honest woman.

Employment History

2013 – present: **Research assistant**, Mycobacteriology Unit, Centre Pasteur du Cameroun.

2014 – present: **Responsible for Biosafety Level-3 (BSL-3) laboratory** of Centre Pasteur of Cameroon. 2014 – present: **Member of the biosafety and biosecurity committee** of Centre Pasteur of Cameroon

2015 – present: **Member of the Steering Committee for the biobank initiative** at the Centre Pasteur of Cameroon.

Certificates and Awards:

2018: Training workshop for GLC consultants on the new WHO recommendations for the Programmatic Management of Drug resistant Tuberculosis.

2014: SCAC « Service de Coopération et d'Action Culturelle » Scholarship for training on Real time PCR 2014: Xpert/RIF Training of Trainers Workshop

2003: Cameroon Governmental Scholarship for Bachelor's Program.

2015: Research in diagnostics for tuberculosis; fundamentals, best practices, and priorities. 2014: Real time PCR Training for Buruli Ulcer diagnosis at INSERM (Angers)

2013: Training and Monitoring Assessment Tool (Loop Mediated Isothermal Amplification method)

2012-2013: RSM (Robert S. McNamara Fellowships Program) Scholarship for PhD training and research

Publications

- Tchatchouang S, Nzouankeu A, **Donkeng V** et al., *AIDS Res Hum Retroviruses*. 2019 35(5):428-429.
- Keumoe R, Nguembo MS, Tsouh FP, **Donkeng DV** et al. *Int J Mycobacteriol*. 2016 1:105.
- **Donfack VF**, Ngando L et al., *Biomed Biotechnol Res J* 2018;2:46-52.
- **Valerie Flore Donkeng Donfack**, Susana Roque, et al., *International Journal of Biological and Chemical Science* 8(1): 273-288 (2014)

Grant Funding:

2018-2019: Eiken Chemical Company

Title: Evaluation of Loopamp™ MTBC Detection Kit for Tuberculosis diagnosis using various specimen types 2014: FIND (Foundation for Innovative New Diagnostics)

Title: Comparative performance study of Loopamp™ MTBC Detection Kit for Rapid Detection of *Mycobacterium tuberculosis* complex. Study protocol of Cameroon Site.