

**BIOGRAPHICAL SKETCH**

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NAME: Lumbala Kabuyi, Paul

eRA COMMONS USER NAME (agency login):

POSITION TITLE: Lecturer and Researcher

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Kinshasa, Faculty of Medicine. D. R. Congo	Master	03/2000	Medicine
University of Kinshasa, Faculty of Medicine. D. R. Congo	Specialization	12/2006	Pediatrics
Catholic University of Louvain. Belgium (Brussels).	Master	09/2012	Pediatric cardiology
Paris Descartes University. France (Paris)	University Diploma	09/2013	Pediatric cardiology
K U Leuven. Belgium (Leuven)	Predoc		Heart and genetics

**A. PERSONAL STATEMENT**

I'm trained as pediatric cardiologist and I'm particularly interested in the cardiovascular phenotype of SCD. In 2016, as PI, I conducted a research entitled: "Morphological and functional aspects of the heart in children with homozygous sickle cell disease." This was the first research to explore the hearth of SCD patients in DR Congo. Since April 2015 I have joined the SCD-related so-called "TEAM project" where I will contribute with cardiovascular data including the TCD. Here is one of our publications that is related to SCD.

- a. **LUMBALA KP**, AKETI LL, SHIKU DJ. Aspects morpho-fonctionnels cardiaques de l'enfant drépanocytaire homozygote. Ann. Afr. Med. 2011; 4 (4): 838-844.

**B. POSITIONS AND EMPLOYMENT**

Sept 2005 –Sept 2010 : Consultant in pediatric cardiology, Pediatric Hospital of Kimbondo

2007 to date : Lecturer, Pediatric cardiology unit, University Hospitals, University of Kinshasa, DR Congo

January 2013 to date : Consultant in pediatric cardiology, Biamba Marie Mutombo Hospital, DR Congo

**Professional Memberships**

January 2007- Member, Congolese Society of Pediatrics (SOPECOD).

**C. Contribution to Science**

1. My main contribution to the SCD was made through my research on the morphological and functional characterization of heart in SCD patients. We found that in addition to minor structural changes the heart function was the most affected in case of SCD. Volumes are increased and the heart functions as overloaded.

- a. **LUMBALA KP**, AKETI LL, SHIKU DJ. Aspects morpho-fonctionnels cardiaques de l'enfant drépanocytaire homozygote. Ann. Afr. Med. 2011; 4 (4): 838-844.

2. As a pediatric cardiologist, I also collaborate with colleagues for the investigations of suspected heart defect in the context of congenital malformations. I have performed testing in patients with malformation caused by known or unknown genetic etiology defect. Recently we have identified typical genetic defects in a patient with Williams syndrome.

- a. Lumaka, A., Lukoo, R., Mubungu, G., **Lumbala, P.**, Mbayabo, G., Mupuala, A., Tshilobo P. L. and Devriendt, K. (2016), Williams–Beuren syndrome: pitfalls for diagnosis in limited resources setting. *Clinical Case Reports*. doi: 10.1002/ccr3.476
- b. Nancy Ucima a, Deborah Debola Tuka, Mathonnet Matondo Kimbongila, **Paul Kabuyi Lumbala**, Thérèse Biselele, Bruno Muyala Tady, Emmanuel Dimbu Nkidiaka , Michel Ntetani Aloni. Rare Occurrence of Ectopia Cordis in a Congolese Neonate. *Pediatrics and Neonatology* 2015; 56: 132-133.

3. Beside the structured collaborations above mentioned, I have also contributed to various researches in the field on infectious diseases as they are very frequent in developing countries, and in kidney diseases.

- a. Aketi L, Nsangu N, **Lumbala P**, Shiku D. Ascaridiose massive compliquée d'angiocolite ascaridienne chez un nourrisson : cas clinique. *Ann Fac Méd*, déc 2012.
- b. L. AKETI , A. ENGO , **P. LUMBALA**, S. KASONGO, E. LUKUTE, M. KABEDI, D. SHIKU. Pulmonary bacilliform tuberculosis in an infant: case report. *Arch. Pediatr.* 2008 oct; 15(10): 1611-3.
- c. Pépé Mfutu Ekulu, Orly Kazadi wa Kazadi, **Paul Kabuyi Lumbala**, Michel Ntetani Michel. Nephrotic syndrome in a child suffering from tetralogy of fallot: a rare association. *Case Reports in Pediatrics* 2015; 2015: 128409. doi.org/ 10.1155/2015/128409.
- d. BABAKAZO P, TSHIBASSU P, NGANDU-KABEYA D, NKUADIOLANDU A, **LUMBALA K P**. Profil clinique et indicatif de l'infection à VIH chez les enfants malnutris sévères. *Congo Méd.* 2004, hors série, 1 : 45-49.
- e. NGANDU K. D., BODI M. J., **LUMBALA K. P**. Paludisme grave de l'enfant aux Cliniques Universitaires de Kinshasa. *Congo Med.*, 2002, III, 8 : 674-681

#### D. Research Support

I acknowledge having never applied or received funding from NIH agencies before. However, I have benefited from supports from funding agencies in Europe as listed below.

#### Ongoing Research Support

VLIR-UOS TEAM- project (Belgium) Paul (Researcher) 10/04/15-31/12/18

Title: Sickle Cell Disease in DR Congo and determinant of Hydroxy-urea treatment

The goal of this study is to prepare the implementation of hydroxyl-urea treatment at large scale in DR Congo. This study will determine whether there are specific criteria for selection of patients to receive HU and evaluate genetic and non-genetic factors that can influence that treatment in young and adult Congolese SCD patients.

Role: Researcher

Institution Funding Paul (Researcher) 01/03/15-31/12/16

Title: Association between genetic polymorphisms and pulmonary functions in SCD.

This project aims at evaluating respiratory functions in SCD patients in DR Congo and investigates further association between pulmonary functions and carriage of certain polymorphisms influencing fetal hemoglobin values.

Role: Co-supervisor

Role: Investigator