

## **CURRICULUM VITAE**

### **A. PERSONAL INFORMATION**

Alarakol Simon Peter, PhD

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### **B. ACADEMIC AND PROFESSIONAL QUALIFICATIONS**

Senior Lecturer, Department of Biochemistry, Faculty of Medicine, Gulu University

PhD Molecular Parasitology/Genomic analysis, Gulu University 2016

M.Sc Molecular Biology, Makerere University, 2007.

B. Biomedical Laboratory Technology (BBLT), Makerere University, 2003

### **C. PROFESSIONAL WORK EXPERIENCE**

2008 Lecturer, Department of Biochemistry, Gulu University, Gulu

2010- 2016; Head, department of Biochemistry, Gulu University

2021 to date Senior Lecturer Department of Biochemistry, Faculty of Medicine, Gulu University

### **D. PROFESSIONALS TRAININGS, WORKSHOPS AND SEMINARS ATTENDED**

5<sup>th</sup> August – 9<sup>th</sup> August 2013: Short course in Bioethics and Good Clinical Practice (GCP) in Gulu.

8<sup>th</sup> -26<sup>th</sup> April 2013: Short course in Monoclonal Antibody Sandwich ELISA for detection of Circulating antigens, in Zambia

1<sup>st</sup> Aug-31<sup>st</sup> Oct, 2011: Short course on immunodiagnostic tests for *Taenia solium*, in Germany.

17<sup>nd</sup> – 19<sup>th</sup> May 2011: Short course in Good Clinical Practice (GCP) and research ethics, Gulu

23<sup>rd</sup>-27<sup>th</sup> March 2011: Short course in Molecular Biology targeting use of Real Time PCR in Nairobi, Kenya

25<sup>th</sup> March to 2<sup>nd</sup> April, 2010: Short courses in Quantitative Research in Faculty of Medicine, Gulu

15<sup>th</sup> June to 21<sup>st</sup> June 2010: Short course in Qualitative Research in Faculty of Medicine, Gulu

### **E. RESEARCH INTEREST**

My research interests are in areas of diagnostics; Genomic analysis/Molecular and immunological diagnostics, epidemiology, Microbiology and Population genetics, Public Health

## **F. SUPERVISION OF STUDENTS' RESEARCH**

I have supervised several undergraduates, 8 Masters' students and 2 PhD students.

## **G. CURRENT RESEARCH ACTIVITIES**

1. Population structure and genetic diversity of *Taenia solium* in two districts of Amuru and Gulu, Northern
2. Spatial distribution and prevalence of porcine cysticercosis among households practising pig farming the districts of Amuru and Gulu, Northern Uganda

## **H. CONFERENCE PRESENTATIONS**

1. Presented a paper in Makerere University Joint Annual Scientific conference, 2016
2. Presented a paper during in Gulu University Conference, 2017

## **I. RESEARCH GRANT SUPPORT**

1. I was awarded a competitive grant from THRiVE-2 Career Development Award (THRiVE-2 CDA) supported through the DELTAS Africa Initiative grant # DEL-15-011 (2018-2019). The DELTAS Africa Initiative is an independent funding scheme of the African Academy of Sciences (AAS)'s Alliance for Accelerating Excellence in Science in Africa (AESA) and supported by the New Partnership for Africa's Development Planning and Coordinating Agency (NEPAD Agency) with funding from the Wellcome Trust grant # 107742/Z/15/Z and the UK government. THRiVE-2 CDA project is being housed at Faculty of Medicine, Gulu University and Dr. Alarakol Simon Peter is the principal investigator (PI).

2. I was awarded a competitive WHO AFRO/TDR Small Grant support for conducting research on Neglected Tropical Diseases (TDR Grant) (2016-2018). The TDR project was housed at Faculty of Medicine, Gulu University and Dr Alarakol was the team leader and the principal investigator of the project. Grant number: SR PO201553050

3. I awarded a European Union grant award through National research Organization (NARO) for conducting research on pesticides residue levels on selected vegetable products exported to Europe.
4. Awarded Career Development award grant. Funded by Wellcome Trust grant and UK Government through Delta Africa Initiative THRiVE-2
5. Research Innovation Grant for Covid-19, through Collaboration with Makerere University
6. Awarded Grant from Royal Society of Tropical Medicine and Hygiene for conducting porcine cysticercosis in Omoro district, 2022

## **J. OTHER SELECTED ACADEMIC ACTIVITIES:**

1. Gest Editor: Scientific and Publishing Corporation (2017-2018)
2. Reviewer of scientific articles for Publications in PLOS one Journal.
3. Reviewer of scientific articles for BMC public health
4. Reviewer of scientific articles in Journal of Parasitology and Vector Biology
5. Reviewer of scientific articles in Journal of Public Health and Epidemiology
6. Reviewer of proposals submitted for ethical approvals to Gulu University Research Ethic Committee (GUREC).
7. Organized Workshops on GCL/GLP and diagnosis of Neurocysticercosis
8. Attended several conferences
9. Internal examiners for undergraduates, Masters and PhD students

External examiner for Msc students from Makerere College of Health Science (MAK.CHS)

## **K. PUBLICATIONS**

### **(a). PEER REVIEWED PUBLICATIONS**

1. **Alarakol SP<sup>1</sup>, Bagaya Bernard<sup>2</sup>, Onen Walter Yagos<sup>3</sup>, Odongo Aginya Igwaro Emmanuel<sup>4</sup>**. Prevalence and factors associated with *Taenia Solium* cysticercosis among pig farmers in two districts (Gulu and Amuru) in Northern Uganda. *Journal of Parasitology and vector Biology*; Vol. 13(1), pp.25-34, January-June, 2021; doi:10.5897/JPVB2020.0395.
2. **Alarakol SP<sup>1</sup>, Bagaya Bernard<sup>2</sup>, Onen Walter Yagos<sup>3</sup>, Odongo Aginya Igwaro Emmanuel<sup>4</sup>**. Knowledge, Attitudes and Practices of communities towards Neurocysticercosis in the districts of Gulu and Amuru, Northern Uganda. *Journal of Parasitology and vector Biology*; Vol. 12(2), pp.17-28, December, 2020; DOI: 10.5897/JPVB2020.0386
3. **Alarakol SP<sup>1</sup>, Joloba ML<sup>3</sup>, Onen WY<sup>4</sup>, Odongo Aginya E<sup>2</sup>**. Evaluation of metacestode of *Taenia solium* antigens for detection of anticysticercal IgG among patients with epilepsy in three districts of Northern Uganda. *Journal of Parasitology and vector Biology*; Vol. 10(8), pp.107-114, August, 2018; doi:10.5897/JPVB2018.033.
4. **Alarakol SP<sup>1</sup>, Joloba ML<sup>3</sup>, Odongo Aginya E<sup>2</sup>**. Seroprevalence of *T.solium* cysticercosis among epileptic patients in three districts in Northern Uganda. *Journal of Parasitology and vector Biology*; Vol. 9(5), pp.47-56, May, 2017; doi:10.5897/JPVB2016.0262.
5. **Alarakol SP, Loum SC, Onen WY, Luryangamoi K**. Assessment of impediments affecting the functionality of health systems response to Neurocysticercosis in two districts of Amuru and Gulu, Northern Uganda. *Journal of Public Health and Epidemiology*; Vol.10 Issue 4: 87-96, April, 2018.

6. **Schmidt V<sup>1</sup>, Sikasunge CS<sup>2</sup>, Odongo-Aginya E<sup>3</sup>, Simukoko C<sup>2</sup>, Mwanjali G<sup>5</sup>, Alarakol S<sup>4</sup>, Ovuga E<sup>4</sup>, Matuja W<sup>6</sup>, Kihamia C<sup>5</sup>, Löscher T<sup>1</sup>, Winkler AS<sup>7</sup>, Bretzel G<sup>1</sup>.** *Taenia solium* metacestode preparation in rural areas of sub-Saharan Africa: a source for diagnosis and research on cysticercosis. *African Health Sciences Vol 15 Issue 1, March 2015*
7. **Alarakol SP<sup>1</sup>, Nakavuma J<sup>2</sup>, Odongo P<sup>3</sup>, Joloba ML<sup>4</sup>.** Evaluation of PCR for direct detection of *Mycobacterium tuberculosis* complex in sputum samples in Kawempe Division, Kampala, Uganda. *East African Medical Journal*; Vol.94; No. 3 March, 2017
8. **Alarakol S.P, Nakavuma J.L, Odong P and Byarugaba D.K.** Evaluation of microbial quality of water in Kawempe Division, Kampala suburb. *East African Medical Journal*; Vol. 9 (8): August, 2017
9. **Moses L. Joloba<sup>a\*,1</sup>, Benson R. Kidenya<sup>a,1,2</sup>, David P. Kateete<sup>a</sup>, Fred A. Katabazi<sup>a</sup>, Julian K. Muwanguzia<sup>3</sup>, Benon B. Asiimwea, Simon P. Alarakol<sup>a,4</sup>, Jessica L.Nakavuma<sup>b</sup>, Sarale<sup>e</sup> Bajaksouzian<sup>c,d</sup>, Anne Windau<sup>c,d</sup>, Michael R. Jacobs<sup>c,d</sup>.** Comparison of Transformation frequencies among streptococcus Pneumoniae serotypes: *International Journal of antimicrobial agents*; 36 (2010)124-128; doi:10.1016/j.ijantimicag.2010.03.024
10. **Francis Atube<sup>1\*</sup>, Geoffrey M. Malinga<sup>2</sup>, Martine Nyeko<sup>3</sup>, Daniel M. Okello<sup>4</sup>, Simon Peter Alarakol<sup>5</sup> and Ipolto Okello-Uma<sup>6</sup>.** Determinants of small holder farmers' adaptation strategies to the effects of climate change: Evidence from Northern Uganda. *BMC Agric.& Food Secur.*2021(10):6: <https://doi.org/10.1186/s40066-020-00279-1>
11. **Eunice Achiro<sup>a,\*</sup>, Lawrence Okidi<sup>a</sup>, Richard Echodu<sup>b</sup>, Simon Peter Alarakol<sup>c</sup>, Juliet Anena<sup>a</sup>, Duncan Ongeng<sup>a</sup>.** Prevalence of aflatoxin along processing points of locally made complementary food formulae in northern Uganda: Safety and children's exposure across seasons. Elsevier; *Heliyon* 9(2023)e1856; <https://doi.org/10.1016/j.heliyon.2023.e18564>
12. **Eunice Achiro<sup>1</sup>, Lawrence Okidi<sup>1</sup>, Richard Echodu<sup>2</sup>, Simon Peter Alarakol<sup>3</sup>, Prossy Nassanga<sup>1</sup>, Duncan Ongeng<sup>1</sup>.** Status of food safety knowledge, attitude, and practices of caregivers of children in northern Uganda. *Food and Nutrition*, Wiley, May 2023; DOI: 10.1002/fsn3.3504

#### **b). BOOK PUBLICATION**

*Taenia solium* infections in Northern Uganda; Author; Simon Peter Alarakol, Publisher, LAP Lambert Academic Publishing, International Book Market Services Ltd. ISBN: 9783339351646