

## CURRICULUM VITAE



### DR. EDDY OKOTH ODARI

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#### **Summary of Career objective and achievements**

I envision being an *accomplished professional in the field of academia, scientific research and preventive health, committed to compassionate ethical healthcare research and the expansion of medical knowledge*. Apart from successful teaching and training undergraduate students for the past 7 years cumulatively, I have successfully conducted scientific research for a cumulative 8 years in the field of the development and evaluation of diagnostic assays for human pathogenic viruses. I currently supervise and mentor students in a minimum 15 post graduate projects.

A board member of the Society for Biomedical and Biotechnology Research (Africa), the Catholic Academic Exchange Service (KAAD) partner committee (East Africa), National stakeholders forum for disease surveillance (Kenya). A member of the American Society for Microbiology. Founder of Ogallo-Osako Memorial Foundation in Kenya (<http://www.ogallo-osakofoundation.org/home.html>) supporting education for the physically disable.

Peer reviewed manuscripts submitted to Journal of Virological Methods, World Journal of Pediatrics, Lab on a Chip (published by the Royal Society of Chemistry) and African Health Sciences journals.

Evaluation of diagnostic assays/ systems for Analytik Jena Roboscreen GmbH - Germany, Mast Diagnostics - Germany.

In 2017, I was a delegate in the 3<sup>rd</sup> session of the United Nations Environment Assembly in Nairobi, Kenya.

#### **Education and Training**

2011 – 2014: PhD in Health Research (International Health) – Ludwig Maximilian University of Munich (LMU), Germany.

2008 – 2010: Msc in Medical Virology – Jomo Kenyatta University of Agriculture and Technology (JKUAT) – Nairobi, Kenya.

2004 – 2007: Bsc in Medical Microbiology (hons) – Jomo Kenyatta University of Agriculture and Technology – Nairobi, Kenya.

1994 – 1997: Ordinary level, Kenya Certificate for secondary Education, Maranda Boys High School – Bondo, Kenya.

1986 – 1993: Kenya Certificate for Primary Education, Joel Omino Primary School – Kisumu, Kenya.

### **Work and experience**

**2013 – to date:** Lecturer, Department of Medical Microbiology – Jomo Kenyatta University of Agriculture and Technology, Kenya)

**2011 – 2014:** Diagnostic laboratory of the virology department – Max von Pettenkofer- Institute for Hygiene and Medical Microbiology, Munich – Germany

**2010 – 2013 :** Part-time lecturer, college of health sciences- Jomo Kenyatta University of Agriculture and Technology

**2009 (Mar – Sept):** Diagnostic laboratory of the virology department – Max von Pettenkofer Institute for Hygiene and Medical Microbiology, Munich – Germany.

**2008 – 2009:** St. Bhakita dispensary Utawala in Nairobi, Kenya.

**2007 (Jan – June):** Intern, Centers for Disease Control and Prevention (CDC/KEMRI<sup>1</sup>) – Kisian laboratory in Kisumu, Kenya.

**2007 (Apr – Jul):** Volunteer, Provincial Health Management Team, Ministry of Health (Nyanza province)

**2005 – 2006:** Volunteer, Eastern Deanery AIDS Relief Project (EDARP) in Nairobi, Kenya

### **Selected Conferences and workshops**

- Convener, African international biotechnology and biomedical conference (AIBBC), 2015 and 2017, Nairobi - Kenya
- Annual CIH conference on Health in vulnerable populations (30<sup>th</sup> to 31<sup>st</sup> July, 2015) – Munich, Germany
- Chair – World Café on infectious diseases during the 1<sup>st</sup> CIH conference in Munich – Germany.
- HIV drug therapy congress (2 – 6 November, 2014) – Glasgow, UK
- Second European Seminar on virology: Vaccines and antivirals (13 -15 June, 2014)
- KAAD annual international conference „**Gesundheit ohne Grenzen? ,Global Health‘ in interkultureller Perspektive**“ ("Health without Borders? , Global Health 'in cross-cultural perspective ") – Bonn, Germany

### **Selected Publications:**

1. **Odari EO.**, Maiyo A., Lwembe R., Gurtler L., Eberle J., and Nitschko H (2015). Establishment and evaluation of a loop-mediated isothermal amplification (LAMP) assay for the semi-quantitative detection of HIV-1 group M virus. *Journal of Virological Methods*. 212 (1) pp 30–38

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<sup>1</sup> KEMRI – Kenya Medical Research Institute

2. **Odari E.O.**, Budambula NLM, Nitschko H (2014). Evaluation of an antigen-antibody “combination” Enzyme Linked Immunosorbent Assay for diagnosis of Hepatitis C Virus infections. *Ethiopian Journal of Health Sciences*. 24 (4) pp 343-352
3. **Odari E.O.**, Odhiambo S, Budambula NLM (2014). Laboratory surveillance of Nyanza province during the outbreak from April to July 2007. *Journal of Agriculture Science and Technology*. 16(1) pp 79– 91
4. Omolo GA, Nitschko H, Lwembe R, Maiyo AK, **Odari EO** (2017) Evaluation of A Reverse Transcriptase (Rt) Loop Mediated Isothermal Amplification Assay for Detection of Hepatitis C Genotypes 1-4 Viruses Under Limited Logistical Conditions. *J Hum Virol Retrovirol* 5(2): 00145.
5. Raini K.S., Nyangáo J., Kombich J., Ongus J.R., Sang C., and **Odari E.O.** (2015). Characterization of Human Rotavirus Group A Serotypes Causing Gastroenteritis in Children Less than 5 Years and HIV-Infected Adults in Viwandani Slum, Nairobi. *Ethiopian journal of health sciences*. 25 (1) pp 39-46
6. Kerosi D., Budambula N.L.M., **Odari E.O.**, Lihana R., Osman S., Omire A., Langat H., Aman R. and Lwembe R. (2015). Human Immunodeficiency Virus -1 and Hepatitis B Virus Coinfections among Injecting Drug Users in Malindi, Kenya. *Journal of Biology, Agriculture and Healthcare* 5 (22) pp 45 – 50

### **Selected Scientific Conference presentations**

- 1) Establishment and evaluation of a Loop-Mediated Isothermal Amplification (LAMP) assay for the semi-quantitative detection of HIV-1 group M virus in blood and plasma. **Odari E.O.**, Maiyo A., Lwembe R.L., Gurtler L., Eberle J. and Nitschko H. (2014). Proceedings of the 2<sup>nd</sup> Africa International Biotechnology and Biomedical Conference (17<sup>th</sup> – 18<sup>th</sup> September, 2015 in Nairobi, Kenya).
- 2) High Rate of Human Immunodeficiency Virus (HIV), Hepatitis B Virus (HBV) and Hepatitis C virus (HCV) Co-infection Among People Who Inject Drugs (PWIDs) in the Kenyan Coast, A Risk to The General Population. **Odari E.O.**, Tengia L., Lwembe R.L (2015). Proceedings of the 1<sup>st</sup> Annual CIH Conference “Health in vulnerable populations” (30<sup>th</sup> to 31<sup>st</sup> July, 2015, in Munich, Germany)
- 3) Comparison of *gag*-p24 and *pol*-integrase primers for semi-quantification of HIV-1 group M virus using Reverse Transcription- Loop-Mediated Isothermal Amplification (RT-LAMP) assay. **Odari E.O.**, Maiyo A. and Nitschko H. (2014). proceedings of the 9<sup>th</sup> JKUAT Annual Scientific, Technological and Industrialization Conference (13<sup>th</sup> -14<sup>th</sup> November, 2014)
- 4) Establishment and evaluation of a Loop-Mediated Isothermal Amplification (LAMP) assay for the semi-quantitative detection of HIV-1 group M virus in blood and plasma. **Odari E.O.**, Maiyo A., Lwembe R.L., Gurtler L., Eberle J. and Nitschko H. (2014). Proceedings of the 2<sup>nd</sup> European Seminar on virology: Vaccines and antivirals (13 -15 June, 2014 in Padova, Italy).

- 5) Fresh blood samples versus Archived samples in Hepatitis C virus screening: A comparative study. **Odari E.O**, Ochwotto M. Budambula N.L.M, Nitschko H and Kimotho J.H. (2010). Proceedings of the 5<sup>th</sup> JKUAT Annual Scientific, Technological and Industrialization Conference (17<sup>th</sup> -18<sup>th</sup> November, 2010)
- 6) Failure of a “combination” ELISA assay to detect infected sera from a bone marrow transplant patient, **Odari E.O**, Budambula and Nitschko (2010). Proceedings of the 2<sup>nd</sup> Institute of Tropical Medicine and Infectious Diseases.
- 7) *Prevalence of Rotavirus related diarrhea in Bondo and Siaya Districts in Kenya, February to April 2007*, **Odari E.O** and Budambula N.L.M (2008). Proceedings of the 4<sup>th</sup> JKUAT Scientific conference
- 8) Laboratory surveillance of cholera in Nyanza province during the outbreak from April to July 2007. **Odari E.O**, Odhiambo S., and Budambula N.L.M (2007). Proceedings of the 3<sup>rd</sup> JKUAT Scientific conference.

### Referees.

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