

## CURRICULUM VITAE

**Anne Kasyoka Barasa**, MBChB (UoN), MMed (Path) (UoN)

### Contact Information

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### **CURRENT APPOINTMENTS**

2015 - Lecturer, Immunology Unit, Department of Human Pathology, UoN

### **ADMINISTRATIVE/SCHOOL RESPONSIBILITIES**

Mar 2019 – Thematic Head, Immunology Unit, Department of Human Pathology, UoN  
Mar 2019 – Program Manager for UoN, for the College of Pathologists of East, Central and Southern Africa (COPECSA) GEMx (Global Educational Exchange in Medicine & the Health Professions) Postgraduate Elective Program,  
2018 – 2019 – Postgraduate Programs Coordinator, Department of Human Pathology  
2015 – 2018 – Member, Curriculum Committee, School of Medicine, UoN  
2015 – 2018 – Assistant Postgraduate Programs Coordinator, Department of Human Pathology

### **EMPLOYMENT HISTORY**

2011 – 2014: Tutorial Fellow, Immunology Unit, Department of Human Pathology, UoN  
2008 – 2012: Registrar, Department of Human Pathology, UoN  
2007: Medical Officer (Intern), Kenyatta National Hospital

### **EDUCATION**

2012: Master of Medicine (Pathology), (MMed Path); University of Nairobi (UoN)  
2006: Bachelor of Medicine and Bachelor of Surgery (MBChB); UoN

### **OTHER TRAINING**

Oct 2017 – Sep 2018 Certificate in Applied Biostatistics, University of Washington  
Oct – Dec 2017: Clinical Observership, Department of Laboratory Medicine & Department of Pathology, University of Washington, Seattle WA  
Feb 2016 – Jun 2016: Visiting Postdoctoral Research Fellow, Department of Experimental Therapeutics, Beckman Research Institute of City of Hope, Duarte CA  
Jun 2015 – Jan 2016: Visiting Postdoctoral Research Fellow, Department of Medicine,

## CERTIFICATIONS

2016: Fellow, Union for International Cancer Control (UICC)

2015: Certified as a Specialist – General Pathologist - by the Medical Practitioners and Dentists Board of Kenya (MPDB)

2008: Certified as a General Medical Practitioner by the MPDB

## PUBLICATIONS

### Journal Articles

1. David H. Mulama, Lorraine Z. Mutsunguma, Jennifer Totonchy, Peng Ye, Joslyn Foley, Gabriela M. Escalante, Esther Rodriguez, Ramina Nabiee, Murali Muniraju, Felix Wussow, **Anne K. Barasa** and Javier Gordon Ogembo. A multivalent Kaposi sarcoma-associated herpesvirus-like particle vaccine capable of eliciting high titers of neutralizing antibodies in immunized rabbits. *Vaccine*; 2019. <https://doi.org/10.1016/j.vaccine.2019.04.071> [Epub ahead of print]
2. Muniraju M, Mutsunguma LZ, Foley J, Escalante GM, Rodriguez E, Nabiee R, Totonchy J, Mulama DH, Nyagol J, Wussow F, **Barasa AK**, Brehm M and Ogembo JG. Kaposi Sarcoma-associated Herpesvirus Glycoprotein H is Indispensable for Infection of Epithelial, Endothelial and Fibroblast Cell Types. *J Virol*; 2019. pii: JVI.00630-19. doi: 10.1128/JVI.00630-19. [Epub ahead of print]
3. **Barasa AK**, Ye P, Phelps M, Arivudainambi GT, Tison T and Ogembo JG. BALB/c mice immunized with a combination of virus-like particles incorporating Kaposi sarcoma-associated herpesvirus (KSHV) envelope glycoproteins gpK8.1, gB, and gH/gL induced comparable serum neutralizing antibody activity to UV-inactivated KSHV. *Oncotarget*; 2017 May 23; 8(21): 34481-34497. <https://doi.org/10.18632/oncotarget.15605>
4. Njoroge JW, Oyoo GO, Kitonyi G, **Barasa A** and Odhiambo A. Haematological parameters in systemic lupus erythematosus patients at Kenyatta National Hospital. *Afr J Rheumatol*; 2016; 4 (2): 57-62
5. **Barasa AK**, Kitonyi GW, Rajab JA, Muturi C and Kebaya L. Orbital myeloid sarcoma preceding acute myeloid leukaemia: a case report. *EAJP*; 2014; 1 (1): 41-44
6. **Barasa AK**, Mwanda WO, Kitonyi GK, Gontier CS. Antiphospholipid antibodies in patients with venous thrombosis at Kenyatta National Hospital. *Afr J Rheumatol*; 2013; 1(2): 52-56

### Commentaries

Walong E, **Barasa A**. Primary immunodeficiency in Africa, a case for autopsy based implementation science projects. *J Infect Dis Ther*, 2015 (3): 205. <https://doi.org/10.4172/2332-0877.1000205>

### Published Abstracts

1. **Barasa AK** and Walong EO; Utility of FNA cytology in diagnosis of malignant pediatric solid tumors in a setting of late presentation. *Pathology*, 2014 (46) S124.  
<https://doi.org/10.1097/01.PAT.0000454521.31243.06>
2. Walong EO and **Barasa AK**; Autopsy as a tool for problem based learning: experience from a low resource setting. *Pathology*, 2014 (46) S122.  
<https://doi.org/10.1097/01.PAT.0000454516.08372.97>
3. **Barasa AK**, Mwanda WO, Kitonyi GK, Gontier CS. Antiphospholipid antibodies in patients with venous thrombosis at Kenyatta National Hospital. *Clin Rheumatol*; 2013; 32(Suppl 2): 115. <https://doi.org/10.1007/s10067-013-2314-3>
4. **Barasa AK**, Kalebi AY and Muchiri LW. Histological patterns of conjunctival lesions seen at two centers in Kenya. *Ophthalmic Pathology. Histopathology*, 2012 (61) Suppl 1:184-186.  
[https://doi.org/10.1111/j.1365-2559.2012.04359\\_20](https://doi.org/10.1111/j.1365-2559.2012.04359_20)

### Manuscripts in Preparation

**Barasa AK**, Walong EO, Ahmed I and Rajab JA. Primary Immunodeficiency presenting as persistent oral thrush and disseminated tuberculosis; a case report

### POSTGRADUATE DISSERTATIONS SUPERVISED TO COMPLETION

1. Dr. Cathy Samo, MMed Pathology, 2018 - Autopsy Findings of the Thymus in Cases of Fatal Pediatric Severe Acute Respiratory Conditions
2. Dr. Martha Mwangi, MMed Pathology, 2018 - Seroprevalence of Human Herpesvirus 8 and Selected Associated Factors among Blood Donors at two Blood Donor Centres in Nairobi, Kenya
3. Dr. Jacqueline Njoroge, MMed Internal Medicine, 2016 – Haematological Parameters in Systemic Lupus Erythematosus Patients at Kenyatta National Hospital, Nairobi
4. Catherine Kariuki, MSc Cytology, 2016 - Human Papilloma Virus subtypes and Cytological Findings in Oral and Cervical Smears among Female Sex Workers Attending Sex Workers Outreach Programme in Nairobi, Kenya

### CONFERENCES/WORKSHOPS/SYMPOSIA/TRAININGS ATTENDED

#### Conference Presentations

1. Kenya Paediatric Association Asthma & Allergy Track, 9<sup>th</sup> April 2019. Oral presentation: “Utility of Total Serum IgE Testing in Allergy”
2. HLA Typing Workshop, 30<sup>th</sup> November 2018, Nairobi, Kenya. Oral presentation: “Tissue Typing in Kidney Transplant – KNH Experience”
3. 30<sup>th</sup> Congress of the International Academy of Pathology (IAP), 5<sup>th</sup> to 10<sup>th</sup> October 2014, Bangkok, Thailand. Presented a poster on “Utility of FNA in diagnosis of paediatric malignant solid tumours in a setting of late presentation”.
4. 7<sup>th</sup> Congress of the African League of Associations for Rheumatology (AFLAR) and the 23<sup>rd</sup>

- Congress of the South African Rheumatism and Arthritis Association (SARAA), 3<sup>rd</sup> to 6<sup>th</sup> April 2013, Durban, South Africa. Presented a poster on “Antiphospholipid antibodies in patients with venous thrombosis at Kenyatta National Hospital”
5. Haemostasis and Thrombosis symposium, 11<sup>th</sup> October 2012, at KNH. Presented a paper titled “Antiphospholipid antibodies in patients with venous thrombosis at Kenyatta National Hospital”
  6. 29<sup>th</sup> Congress of the International Academy of Pathology (IAP), 30<sup>th</sup> September to 5<sup>th</sup> October 2012, Cape Town, South Africa. Presented a poster on “Histological patterns of conjunctival lesions seen at two centers in Kenya”
  7. Kenyatta National Hospital (KNH) 4<sup>th</sup> Annual Scientific Conference, October 2011. Presented a paper on “Atypical Teratoid Rhabdoid Tumour – A case report”
  8. The 10<sup>th</sup> Biennial Conference of the Association of Pathologists of East, Central and Southern Africa (APECSA), 15<sup>th</sup> – 17<sup>th</sup> September, 2010, Kampala, Uganda. Gave an oral presentation titled “Antiphospholipid antibodies and venous thrombosis: a review”

### **Workshop/Symposia/Other Training/Conference Participation**

1. Kenya Society of Haematology & Oncology (KESHO) Symposium: “HIV Associated Malignancies: What every Clinician should know”; 27<sup>th</sup> April 2019, Nairobi, Kenya
2. Quality Control and Blood Transfusion Testing Workshop, 16<sup>th</sup> April 2019, Nairobi, Kenya
3. The A-Project Track, Kenya Paediatric Association Annual Scientific Conference, 9<sup>th</sup> April 2019, Mombasa, Kenya
4. Asthma & Allergy Track, Kenya Paediatric Association Annual Scientific Conference, 9<sup>th</sup> April 2019, Mombasa, Kenya
5. 1<sup>st</sup> HLA East Africa Symposium; “HLA Complex System: HLA typing and its Role in Tissue Transplantation”; 18-19<sup>th</sup> March 2019, Intercontinental Hotel, Nairobi, Kenya.
6. HLA Typing Workshop, 30<sup>th</sup> November 2018, Southern Sun Hotel, Nairobi, Kenya. Made a presentation on “*Tissue Typing in Kidney Transplant – KNH Experience*”
7. The 44<sup>th</sup> Annual Scientific Meeting of the American Society of Histocompatibility and Immunogenetics, 1-5<sup>th</sup> October 2018, Baltimore, USA
8. Roche Xperience Educational Forum, 30-31<sup>st</sup> August 2018, Johannesburg , South Africa
9. The Partnership for Health Research Training in Kenya (P-HERT) Program – Training in Research Administration and Grant Writing, 30<sup>th</sup> July – 3<sup>rd</sup> August 2018, UoN.
10. The Partnership for Health Research Training in Kenya (P-HERT) Program – Training in Bioinformatics, 16<sup>th</sup> – 20<sup>th</sup> July 2018, UoN.
11. African Federation of Clinical Chemistry (AFCC) Workshop in Improving Quality in the Laboratory through Leadership, Training and Evaluation, 30<sup>th</sup> June 2018, Nairobi, Kenya
12. Kenya Paediatric Association Annual Scientific Conference, 24<sup>th</sup> to 27<sup>th</sup> April 2018, Mombasa, Kenya
13. Allergy & Asthma Symposium, Kenya Paediatric Association Annual Scientific Conference, 24<sup>th</sup> to 27<sup>th</sup> April 2018, Mombasa, Kenya

14. The Partnership for Health Research Training in Kenya (P-HERT) Program – Training Leadership and Management, 19<sup>th</sup> – 23<sup>rd</sup> March 2018, UoN.
15. The 1<sup>st</sup> Kenya Society of Thrombosis and Haemostasis (KSTH) Scientific Conference, 1<sup>st</sup> March 2018, Nairobi, Kenya
16. University of Nairobi STD/HIV/SRH Collaborative Research Group Annual Review Meeting, 22<sup>nd</sup> January 2018, Mayfair Court, Southern Sun, Nairobi.
17. Workshop on the Development of Strategic Plan for the Office of Research and Grants Promotion and Support, CHS; 22<sup>nd</sup> – 23<sup>rd</sup> June 2017, Maanzoni Lodge, Nairobi
18. Academic staff training in Pedagogy by the Centre for Pedagogy and Andragogy, 5<sup>th</sup> – 7<sup>th</sup> April 2017, CCU Hall, Main Campus, UoN
19. The 13<sup>th</sup> Biennial Conference of the Association of Pathologists of East, Central and Southern Africa (APECSA), 24<sup>th</sup> – 26<sup>th</sup> October 2016, Kigali, Rwanda
20. Basic Concepts and Clinical Applications of Flow Cytometry Certificate Program 2016; American Association of Clinical Chemistry
21. Fundamental of Molecular Pathology Certificate Program 2015; American Association for Clinical Chemistry
22. 5<sup>th</sup> East Africa British School of Pathology Haematopathology training workshop, 18<sup>th</sup> – 19<sup>th</sup> August 2014, Arusha, Tanzania
23. 4<sup>th</sup> International Network for Cancer Treatment and Research (INCTR) meeting: “Lymphomas, what can we learn from Africa?” from 13<sup>th</sup> – 15<sup>th</sup> February 2014, in Arusha, Tanzania
24. International Clinical MicroResearch Training Workshop held at the University of Nairobi, 30<sup>th</sup> October – 12<sup>th</sup> November 2013
25. Integration of Leadership and Health Systems Management Workshop, held by Management Sciences for Health from 10<sup>th</sup> to 12<sup>th</sup> September 2013, in Nairobi, Kenya
26. Consultants’ workshop on appropriate use of blood and blood products, by the Regional Society for Blood Transfusion Kenya, on 9<sup>th</sup> July 2013, in Nairobi, Kenya
27. 3<sup>rd</sup> International Network for Cancer Treatment and Research (INCTR) meeting: “Lymphomas, what can we learn from Africa?” from 31<sup>st</sup> January to 2<sup>nd</sup> February 2013, in Mombasa, Kenya
28. Attended and rapportuered at the PACE program HIV symposium, College of Health Sciences, University of Nairobi, 14<sup>th</sup> – 15<sup>th</sup> June 2012
29. NIH-sponsored D43 Pathology Training Conference, 4<sup>th</sup> – 5<sup>th</sup> June 2012, University of Nairobi
30. 4<sup>th</sup> British Division of the International Academy of Pathology/Institute of Biomedical Science (BDIAP/IBMS) Sponsored Training Workshop on Histology and Immunohistochemistry for Laboratory Scientists/Technologists and Pathologists, Department of Human Pathology, University of Nairobi, 10<sup>th</sup> – 13<sup>th</sup> April 2012
31. 3<sup>rd</sup> East African British School of Pathology (EABSoP) Course on Head and Neck Pathology, Muhimbili University of Health and Allied Sciences, Dar es Salaam, Tanzania,

14<sup>th</sup> – 16<sup>th</sup> November 2011

32. 3<sup>rd</sup> British Division of the International Academy of Pathology/Institute of Biomedical Science (BDIAP/IBMS) sponsored training workshop on Histology and Immunohistochemistry for Laboratory Scientists/Technologists and Pathologists, UoN/KNH, 26<sup>th</sup> – 30<sup>th</sup> September 2011
33. International Network for Cancer Treatment and Research (INCTR) Tutorial in Haematopathology aimed to improve diagnosis of Haematolymphoid Neoplasms and HIV Associated Malignancies in Kenya (Program for Pathologists and Haematologists), Nairobi, 8<sup>th</sup>–10<sup>th</sup> September 2011
34. Teachers Training on Innovative Methods of Teaching, at the University of Nairobi, 25<sup>th</sup> – 28<sup>th</sup> July 2011
35. The University of Nairobi College of Health Sciences 1<sup>st</sup> International Scientific Conference, 15<sup>th</sup> – 17<sup>th</sup> June 2011
36. Clinicopathological Symposium on Renal Biopsies for Nephrologists/Clinicians and Pathologists, by the East African Division of the International academy of Pathology (EADIAP); 2<sup>nd</sup> – 3<sup>rd</sup> April 2011, University of Nairobi/Kenyatta National Hospital
37. The 10<sup>th</sup> Annual Human Quality Assessment Services (HuQAS) Conference, at the Kenya Institute of Education, 4<sup>th</sup> November 2010
38. Kenyatta National Hospital 3<sup>rd</sup> Annual Scientific Conference, October 2010
39. The 2<sup>nd</sup> East African British School of Pathology (EABSoP) Breast Pathology Course and the APECSA pre-conference Haematopathology course, 13<sup>th</sup> – 15<sup>th</sup> September 2010, in Kampala, Uganda
40. Fine Needle Aspiration Cytology Workshop, Aga Khan University Hospital, 11<sup>th</sup> – 13<sup>th</sup> May 2010
41. Cytology Tutorial on Gynaecological & Fluids Cytology and the Fine Needle Biopsy Diagnosis of Breast, Thyroid and Lymph Node Lesions, University of Nairobi/Kenyatta National Hospital/Aga Khan University Hospital, 6<sup>th</sup> – 9<sup>th</sup> October 2009

## **AWARDS**

American Cancer Society Beginning Investigator Fellowship by the Union for International Cancer Control (funded by American Cancer Society); July 2015 – June 2016

## **HONORS**

The Pathologist Power List 2016 - Recognized as one of the most influential “rising stars” in laboratory medicine

## **PROFESSIONAL AFFILIATIONS**

- 2019 - Member, South Africa Immunology Society
- 2017 - Member, Allergy Society of Kenya
- 2017 - Member, American Society of Histocompatibility and Immunogenetics

Anne Kasyoka Barasa

- 2016 - Member, Association of UICC (Union for International Cancer Control) Fellows
- 2015 - 2017 Vice Secretary, Kenya Association of Clinical Pathologists
- 2013 - Member, Kenya Association of Clinical Pathologists
- 2013 - Member, Association of Clinical Pathologists of East, Central & Southern Africa

## REFEREES

1. Prof. Jessie Githang'a, MBChB, MMed (Path), FPath ECSA  
Associate Professor, Haematology & Blood Transfusion  
Department of Human Pathology  
University of Nairobi  
P. O. Box 19676-00202, Nairobi  
[jqithanga3@gmail.com](mailto:jqithanga3@gmail.com)
2. Dr. Jamilla Rajab, MBChB, MMed Path, MPH, FCPATH ECSA  
Senior Lecturer, Haematology & Blood Transfusion  
Department of Human Pathology  
University of Nairobi  
P. O. Box 19676-00202, Nairobi  
[CrisStGont2015@gmail.com](mailto:CrisStGont2015@gmail.com)
3. Javier G. Ogembo, PhD  
Assistant Professor, Department of Experimental Therapeutics  
Beckman Research Institute of City of Hope  
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