

CURRICULUM VITAE

A. PERSONAL PARTICULARS

NAME: **Joseph F. Hokello, Ph.D., M.Sc., BSc.ED.**

DATE OF BIRTH: October 10th 1976

GENDER: Male

MARITAL STATUS: Married

CITIZENSHIP: Ugandan

CURRENT POSITION: SENIOR LECTURER AND AG. HEAD OF BIOLOGY DEPARTMENT

ADDRESS: Department of Biology
Faculty of Science and Education
Busitema University
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B. EDUCATION

2004-2010: Doctor of Philosophy (Ph.D.) in Molecular Virology from Case Western Reserve University, Cleveland, Ohio, United States of America.
Dissertation Title: The individual contribution of transcription factors mobilized following T-cell receptor or mitogenic activation in the reactivation of HIV from latency.

2001-2003: Master of Science (M.Sc.) in Molecular Biology and Biotechnology from Makerere University, Kampala, Uganda.
Thesis Title: The antigenicity of the V3 loop in glycoprotein 120 (gp120) of HIV-1 subtypes A and D from Uganda.

1997-2000: Bachelor of Science (B.Sc.) with Education, (Second Class Honors-Upper Division; Biology-major) from Makerere University, Kampala Uganda.
Thesis Title: The role of self-sponsorship versus government scholarship in determining career choices of first year University entrants: A case of Makerere University School of Education.

C. PROFESSIONAL BACKGROUND

- (a) Molecular Biologist/Virologist with enormous research experience focusing on HIV basic research for HIV prevention in developing countries and globally.
- (b) Professional Science educator with pedagogical skills required to enhance teaching and comprehension of Science's complex concepts.

D. ADVANCED GRADUATE COURSES OFFERED

PhD:

- ❖ Cell Biology
- ❖ Molecular Biology
- ❖ HIV and AIDS: Research and Care
- ❖ Fundamental Immunology
- ❖ Molecular Biology and Pathogenicity of RNA/DNA Viruses
- ❖ Host-Virus Interactions

MSc:

Semester I:

- ❖ Molecular Cell Biology
- ❖ Molecular Biotechnology I (Proteins)
- ❖ Molecular Biotechnology II (Nucleic Acids)
- ❖ Molecular Bacteriology

Semester II:

- ❖ Molecular Virology
- ❖ Molecular and Biochemical Pharmacology
- ❖ Molecular Epidemiology
- ❖ Molecular Immunology
- ❖ Applied Molecular Biology
- ❖ Research Methods and Biometry

E. AWARDS AND HONOURS

- 2013: Recipient of the best Oral abstract presenter award during the 14th Scientific Conference of the Uganda Society for Health Scientists themed, "Research for Better Health" in Kampala Uganda.
- 2012: Recipient of the NIH Fogarty-AIDS International Training and Research Program (AITRP) re-entry award for resource mobilization to enhance biomedical research in Uganda.
- 2008 (Sept): Recipient of the scholarship from the Fogarty-AITRP at the University of Maryland to attend and present abstract (#236) at the 11th Anniversary Annual International Meeting of the Institute of Human Virology in Baltimore, Maryland, USA.

- 2008 (Feb.): Recipient of the Young Investigator Award to attend and present abstract (#203) at the 15th Conference on Retroviruses and Opportunistic Infections (CROI) in Boston, Massachusetts, USA.
- 2004: Recipient of the prestigious NIH Fogarty-AITRP training fellowship to pursue PhD studies in Molecular Virology at Case Western Reserve University, Cleveland, Ohio, USA.
- 2003: Visiting research scholar in the laboratory of Professor Boto at City University of New York, New York, USA.
- 1997: Recipient of the Government of Uganda scholarship to pursue Bachelor of Science (BSc) with Education degree at Makerere University, Kampala Uganda.

F. WORK EXPERIENCE

- 2021-to-date: Acting Head of the Department of Biology, Faculty of Science and Education, Busitema University.
- 2021-to-date: Senior Lecturer in the Department of Biology, Faculty of Science and Education, Busitema University.
- 2020-2021: Associate Dean in charge of Research and Innovations, Faculty of Science and Technology, Kampala International University-Western Campus.
- 2019-2020: Research Co-coordinator for the Faculty of Science and Technology, Kampala International University-Western Campus
- 2013-2021: Senior Lecturer in the Department of Basic Science, Faculty of Science and Technology, and Department of Microbiology and Immunology, Faculty of Biomedical Sciences, Kampala International University-Western Campus.
- 2012-2013: Lecturer at Makerere University in the Master of Science in Molecular Biology and Biotechnology Program.
- 2010-2011: Post-Doctoral trainee in the Department of Molecular Biology and Microbiology, School of Medicine, Case Western Reserve University, Cleveland, Ohio, United States of America.
- 2001-2004: Research Assistant and Manager of the International Biomedical Research Training (IBRT) laboratory. Duties included; tracking and procuring laboratory equipments, supplies and reagents, ensuring that all research equipments are in good working conditions at all times, collection, processing and storage of research samples, coordinating with other research laboratories and performing any such duties related to our research interests.

2001-2004: Manager of the IBRT Program Project House at Makerere University, Kampala Uganda.

G. BIOMEDICAL RESEARCH TRAINING EXPERIENCE

- 2012 (June): Returned to Uganda after successfully completing PhD studies in Molecular Virology at Case Western Reserve University in the United States.
- 2008: Hands-on demonstration of a research technique utilized in the laboratory (Chromatin Immunoprecipitation assay) to a new postdoctoral trainee in the laboratory.
- 2007 (Jul): Returned to Uganda from USA to meet with former mentors at Makerere University and Heads of Department at the School of Biomedical Sciences in a bid to evaluate and identify HIV biomedical research needs in Uganda.
- 2005-2009: Conducted and completed PhD dissertation research in the laboratory of Professor Jonathan Karn; investigated the individual contribution of transcription factors mobilized following T-cell receptor or mitogenic activation in the reactivation of HIV from latency.
- 2004 (Nov.) Conducted research in the laboratory of Professor Jonathan Karn investigating the role of NF- κ B in HIV transcription regulation during research rotations to select a laboratory to conduct PhD dissertation research.
- 2004 (Oct.) Conducted research in the laboratory of Professor Eric Arts investigating sequence determinants of recombination breakpoints in HIV-1 subtypes A and D during research rotations to select a laboratory to conduct PhD dissertation research.
- 2004 (Sept.) Conducted research in the laboratory of Professor David McDonald investigating the potency of HIV integrase inhibitors to block HIV replication during research rotations to select a laboratory to conduct PhD dissertation research.
- 2003/2004: Hands-on laboratory instructor for participants of the IBRT Program in the laboratory of Professor Boto in the Department of Pharmacology and Therapeutics, School of Biomedical Sciences, College of Health Sciences, Makerere University, Kampala Uganda (Formerly Makerere University Medical School).
- 2004: Participant of the Annual Workshop and Biomedical Research Training on “Genes and Genomes of Tropical Diseases causing Pathogens” together with trainees from Karolinska Institutet in the Department of Biochemistry, School of Biomedical Sciences, College of Health Sciences, Makerere University, Kampala Uganda.

- 2003: Conducted research in the laboratory of Professor William Boto at City University of New York; PCR amplifying, molecular cloning and sequencing the *env* gene of Ugandan HIV-1 subtypes.
- 2002-2003: Conducted MSc thesis research in the IBRT laboratory in the Department of Pharmacology and Therapeutics, School of Biomedical Sciences, College of Health Sciences, Makerere University, Kampala Uganda.
- 2002-2004: Research assistant in the IBRT laboratory in the Department of Pharmacology and Therapeutics, School of Biomedical Sciences, College of Health Sciences, Makerere University, Kampala Uganda.
- 2001-2002: Participant of the IBRT Program together with American trainees from the City University of New York at Makerere University College of Health Sciences, Kampala Uganda.

H. COMPUTER SKILLS

Microsoft Office 2010

I. RESEARCH SKILLS AND TECHNIQUES

- ❖ Southern, Northern and Western blotting
- ❖ Molecular Cloning
- ❖ Conventional PCR
- ❖ Quantitative real-time PCR
- ❖ DNA sequence analysis and Phylogeny construction
- ❖ Protein sequence analysis and Phylogeny construction
- ❖ Isotope labeling
- ❖ Electrophoretic Mobility Gel Shift Assay (EMSA)
- ❖ Tissue and Cell Cultures
- ❖ Primary T-cell isolation and expansion ex-vivo
- ❖ Fluorescently-activated cell sorting (FACS)
- ❖ Chromatin Immunoprecipitation (ChIP) Assay
- ❖ Enzyme-linked Immunosorbent Assay (ELISA)

J. GRADUATE COURSES TAUGHT

1. Protein Biotechnology
2. Fundamental Immunology
3. Medical Virology
4. Parasite Biochemistry, Physiology and Immunology
5. Molecular Biology
6. Research Methodology

K. UNDERGRADUATE BIOLOGY COURSES TAUGHT

1. Microbiology and Immunology
2. Microbiology and Mycology
3. Applied genetics
4. Molecular Biology Techniques
5. Cell Biology
6. Advanced Animal Physiology
7. Plant Physiology
8. Applied Genetics
9. Principles of Ecology
10. Evolution

L. SUPERVISION OF GRADUATE STUDENTS' RESEARCH

1. Tijani Naheem Adekilekun (Reg. No: 2021-04-04433): Biogenic Synthesis of Silver Nanoparticles from *Termitomyces* sp. and their Antimicrobial Activity against Pathogenic *Candida* sp. isolated from KIU-Teaching Hospital Clinical Samples (2021). **PhD in Microbiology-(On going).**
2. Dr. Nixson Onyanga (Reg No: M.MED-2019-01-05404). Factors associated, Spirometry and Inflammatory markers post-COVID-19 hospitalization at Lira Regional Referral Hospital, Northern Uganda (2021). **M.MED in Internal Medicine-(On-going)**
3. Dr. Bamuhimbisa Muteguya Richard (Reg. No: MMED/8212/163/DU). Factors Associated with Poor Glycaemic Control among Diabetic Patients in Mubende Regional Referral Hospital (2021). **M.MED in Internal Medicine-(On going).**
4. Mukani Philip (Reg No: 2020/MSc/010/PS). Antimicrobial activities of crude extracts of selected medicinal plants against common urinogenital pathogens (2021). **MSc in Biology-(On-going).**
5. Allan Wandera (Reg No: MSc.BCH/9560/173/DU). The effects of Combining Centrifugation with HIV-1 Virion Lysis on the Sensitivity of 4th-Generation HIV Ag/Ab Combo Assay for Diagnosis of Acute HIV Infection (2021). **MSc in Biochemistry-(Completed).**

M. RESEARCH INTERESTS

1. Molecular mechanisms of HIV-1 latency reactivation in resting memory CD4⁺ T-lymphocytes from HIV patients on HAART.
2. Investigating whether human endogenous retroviruses (HERV) mRNA and proteins are expressed in HIV exposed seronegative (HESN) individuals to induce HIV specific immune responses prior to HIV exposure and also to determine whether the correlates of immune protection observed in HESN individuals are inheritable by their offspring
3. Host mechanisms mediating HIV-discordance, elite suppression, long-term non-progression, fast disease progression and its implications in HIV vaccine research, design and development.
4. Transmissibility and prevalence of HIV-associated systemic and oral herpesviral and high-risk human papillomavirus infections among HIV-exposed seronegative individuals

N. PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS

17. Wandera A, Ssekatawa K, Kato C.D and **Hokello J (2022)**. Centrifugation following HIV-1 Virion Lysis improves the Sensitivity of the Fourth-Generation HIV Ag/Ab Combo Assay. (*In Preparation*)
16. **Hokello J (2022)**. Dietary approach to prevention of cardiovascular diseases: A personal practical handbook. (*In Preparation*)
15. **Hokello J**, Sharma AL and Tyagi M (2022). Insights into HIV Molecular Biology, HIV-induced Th1/Th2 Shift and Preferential Virus infection of Th2 Cells. (*In Preparation*)
14. **Hokello J**, Sharma AL and Tyagi M (2022). T-cell receptor activation using α -CD3mAb without α -CD28mAb co-stimulation activates HIV latency through functional synergy between NFAT and AP-1. (*In Preparation*)
13. **Hokello J**, Sharma AL and Tyagi M (2022). Comparison of biological basis for non-HIV transmission to HIV-exposed seronegative individuals, disease non-progression in HIV long-term non-progressors and elite suppressors. (*In Preparation*)
12. **Hokello J**, Sharma AL, Tyagi P, Bhushan A and Tyagi M (2021). Human Immunodeficiency Virus type-1 (HIV-1) transcriptional regulation, latency and therapy in the Central Nervous System. *Vaccines*, 9 (11): 1272
11. Sharma AL, **Hokello J** and Tyagi M (2021). Acquisition of HIV in the mal genital tract and circumcision as an intervening strategy. *Pathogens*, 10 (7): 806
10. **Hokello J**, Sharma AL and Tyagi M (2021). An update on the HIV DNA vaccine

- strategy. *Vaccines*, 9 (6): 605
9. **Hokello J**, Sharma AL and Tyagi M (2021). Combinatorial use of both epigenetic and non-epigenetic mechanisms to efficiently reactivate HIV latency. *Int. J. Mol. Sci.*, 22 (7): 3697
 8. **Hokello J**, Sharma AL and Tyagi M (2021). AP-1 and NF- κ B synergize to transcriptionally activate latent HIV upon T-cell receptor activation. *FEBS Letters*, 595 (5): 577-594
 7. **Hokello J**, Sharma AL, Shukla GC and Tyagi M (2020). A narrative review on the basic and clinical aspects of the novel SARS-CoV-2, the etiologic agent of COVID-19. *Annals of Translational Medicine*, 8 (24): 1686
 6. Sharma AL, **Hokello J**, Sonti S, Zicari S, Sun L, Alqatawni A, Bukrinsky M, Simon G, Chauhan A, Daniel R and Tyagi M (2020). CBF-1 promotes the establishment and maintenance of HIV latency by recruiting Polycomb repressive complexes, PRC1 and PRC2, at HIV LTR. *Viruses*, 12 (9): 1040
 5. **Hokello J**, Sharma AL and Tyagi M (2020). Efficient non-epigenetic activation of HIV latency through the T-cell receptor signalosome. *Viruses*, 12 (8): 868
 4. **Hokello J**, Sharma AL, Dimri M and Tyagi M (2019). Insights into the HIV latency and the role of cytokines. *Pathogens*, 8 (3): 137
 3. Kim YK, Mbonye U, **Hokello J**, and Karn J (2011). T-cell receptor signaling enhances transcriptional elongation from latent HIV proviruses by activating P-TEFb through an ERK-dependent pathway. *Journal of Molecular Biology*, 410 (5): 896-916
 2. Pearson R, Kim YK, **Hokello J**, Lassen K, Friedman J, Tyagi M, and Karn J (2008). Epigenetic silencing of human immunodeficiency virus transcription by formation of restrictive chromatin structures at the viral long terminal repeat drives the progressive entry of HIV in to latency. *Journal of Virology*, 84 (24): 12292-303.
 1. Kajumbula H, Wallace RG, Zong JC, **Hokello J**, Sussman N, Simms S, Rockwell RF, Pozos R, Hayward GS and Boto W (2006). Ugandan Kaposi's sarcoma-associated herpesvirus phylogeny: evidence for cross-ethnic transmission of viral subtypes. *Intervirology*, 49 (3): 133-43.
- O. RESEARCH ABSTRACTS PRESENTED AT SCIENTIFIC MEETINGS**
23. **Hokello J**, Sharma AL, Dimria M and Tyagi M (2019). Insights in to HIV latency and the role of TGF- β in the modulation of latent HIV reservoirs in resting

- memory CD4⁺ T-cells (Oral). 19th Annual Conference of the Uganda Society for Health Scientists, May 23rd -24th, Kampala Uganda.
22. **Hokello J**, Arts E, Whalen E and Karn J (2013). Reactivation of HIV-1 latency is regulated by complementary MAPK and PKC signal pathways: Synergy between AP-1 and NF- κ B or NFAT following TCR activation (Oral). 14th Annual Conference of the Uganda Society for Health Scientists (USHS) themed research for better health, May 30th -31st, Kampala, Uganda.
 21. Karn J, Arts E, Whalen C and **Hokello J** (2013). Activator Protein-1 and NF- κ B synergistically modulate HIV-1 gene transcriptional initiation and elongation following PMA activation of T-cells (Oral). 14th Annual Conference of the Uganda Society for Health Scientists (USHS) themed research for better health, May 30th -31st, Kampala, Uganda.
 20. Mbonye U, Kim YK, **Hokello J** and Karn J (2010). Reactivation of processive HIV proviral transcription by T-cell receptor signaling (#23). Rustbelt RNA Meeting (RRM), October 22-23rd, Cleveland, Ohio, USA.
 19. **Hokello J**, Kim YK and Karn J (2010). Synergy between AP-1 and NF- κ B or NFAT following T-cell receptor activation modulates the duration and magnitude of HIV transcriptional response (#31). Annual Research ShowCase, April 15th, CWRU Campus, Cleveland, Ohio, USA.
 18. Karn J, Friedman J, **Hokello J**, Jadowsky J, Mbonye U, Tyagi M and Wong J (2009). Epigenetic and Non-epigenetic mechanisms controlling HIV entry and exit from latency (Oral). 4th International Workshop on HIV Persistence during Drug Therapy. December 8-11th, St. Martins, West Indies.
 17. **Hokello J**, Kim YK and Karn J (2009). Induction of latent HIV proviruses is regulated by complimentary T-cell signaling pathways: Synergy between AP-1 and NF- κ B or NFAT following T-cell receptor activation (#WEPEA080). 5th International AIDS Society (IAS) Conference on HIV Pathogenesis, Treatment and Prevention. July 19-22nd, Cape Town, South Africa.
 16. **Hokello J** and Karn J (2009). The individual contribution of transcription factors mobilized following T-cell receptor or mitogenic activation in the reactivation of HIV from latency (#218). Annual Retroviruses Meeting, May 18-23rd, Cold Spring Harbor, New York, USA.
 15. **Hokello J**, Kim YK, and Karn J (2009). Efficient and sustained HIV transcriptional elongation and initiation is mediated by T-cell receptor signaling (Poster). Annual Research ShowCase, April 16th, CWRU Campus, Cleveland, Ohio, USA.
 14. Karn J, **Hokello J**, Pearson R and Kim YK (2008). The ins and outs of HIV latency (Oral). Annual Case Center for AIDS research (CFAR) Conference, November 6th, Cleveland, Ohio, USA.
 13. **Hokello J**, Kim YK and Karn J (2008). T-cell receptor activation mediates efficient and sustained HIV transcriptional elongation and initiation through multiple signal pathways (#236). 11th Anniversary Annual International Meeting of the Institute of Human (IHV) Virology. September 11-13th, Baltimore, Maryland, USA.
 12. Friedman J, Pearson R, **Hokello J**, Lassen K, Wong J, Tyagi M, Kim YK and Karn J (2008). Epigenetic shutdown of HIV transcription drives entry of HIV into

- latency and controls proviral reactivation (Oral). 25 years of HIV Meeting, Institut Pasteur, Paris, France.
11. **Hokello J** and Karn J (2008). Coordinated activation of HIV transcriptional elongation and initiation is mediated by T-cell receptor signaling (Oral). Annual Retroviruses Meeting, May 19-24th Cold Spring Harbor, New York, USA.
 10. **Hokello J**, Kim YK and Karn J (2008). T-cell receptor activation mediates coordinated HIV transcriptional initiation and elongation through multiple cellular signaling pathways (#51). 31st Annual Biomedical Graduate Students Symposium, May 9th CWRU Campus, Cleveland, Ohio, USA.
 9. Wong J, **Hokello J**, Kim YK and Karn J (2008). NFAT synergizes with c-Myc oncogenes to regulate HIV transcription (#58). 31st Annual Biomedical Graduate Students Symposium, May 9th, CWRU Campus, Cleveland, Ohio, USA.
 8. **Hokello J**, Kim YK and Karn J (2008). AP-1 synergizes with NF- κ B to activate latent HIV provirus transcription upon T-cell receptor activation (Poster). Annual Research ShowCase, April 17th CWRU Campus, Cleveland, Ohio, USA.
 7. **Hokello J**, Kim YK, and Karn J (2008). AP-1 synergizes with NF- κ B to activate latent HIV provirus transcription following T-cell receptor activation (#203). 15th Conference on Retroviruses and Opportunistic Infections (CROI), February 3-6th Boston, Massachusetts, USA.
 6. Karn J, **Hokello J**, Pearson R, Friedman J and Kim YK (2007). Unexpected HIV transcriptional dynamics following T-cell receptor activation (Oral). Annual Case Center for AIDS Research (CFAR) Spring Conference, June 7-9th Cleveland, Ohio, USA.
 5. Kim YK, Pearson R, Tyagi M, **Hokello J** and Karn J (2006). Unexpected transcriptional dynamics during HIV proviral reactivation (Oral). Annual Case Center for AIDS Research (CFAR) Spring Conference, June 2-3rd Cleveland, Ohio, USA.
 4. Pearson R, Kim YK, **Hokello J**, Friedman J and Karn J (2007). Epigenetic shutdown of HIV transcription through formation of restrictive chromatin structures at the viral LTR drives the progressive entry of HIV into latency (Oral). 26th Summer Symposium in Molecular Biology, Penn State University, State College, Pennsylvania, USA.
 3. Wallace RG, Kajumbula H, **Hokello J**, Sussman N, Elumeze J, Chong J, Rasul Z, Sabo N, Acquah C and Boto W (2005). Is Kaposi's sarcoma-associated herpesvirus in Uganda a vicariant or dispersed phylogeography? (#231) Experimental Biology and XXXV International Congress of Physiological Sciences, April 2-5th San Diego, California, USA.
 2. Boto W, Wallace RG, **Hokello J**, Kajumbula H, Hayward GS and Zong JC (2005). Ethnic phylogeny of Ugandan Kaposi's sarcoma-associated herpesvirus (#581). Experimental Biology 2005 and XXXV International Congress of Physiological Sciences, April 2-5th San Diego, California, USA.
 1. Wallace RG, Kajumbula H, **Hokello J**, Sussman N, Elumeze J, Rasul Z, Guyden J and Boto W (2004). The molecular ecology of Kaposi's sarcoma-associated herpesvirus in Uganda. Do host populations create their own viral subtypes? (Poster). 9th Research Centers in Minority Institutions (RCMI) International Symposium on Health Disparities, Baltimore, Maryland, USA.

P. RESEARCH AWARDS AND GRANTS AMOUNT IN US DOLLARS

3. Presidential Scientific Initiative on Epidemics (PRESIDE) award to Dr. Enock Matovu (PI/MUK), Dr. Bernard Bagaya Co-PI/MUK) and Dr. Monica Namayanja (Co-PI/KIU). Development and evaluation of recombinant SARS-CoV-2 spike and membrane proteins as potential sub unit vaccines. 06/2020-06/2021
Role: Investigator \$ 486,000.00
2. NIH Fogarty-AITRP re-entry award to Hokello J (PI) June/2012 \$10,000.00
1. Training Grant # NIH D43 TW00011 Whalen C (PD) 08/2004-05/2010
National Institutes of Health Fogarty-AIDS International Training and Research Program. The goal of this program was to enable young scientists from developing countries to pursue advanced graduate and research training at United States Universities and to subsequently return to their home countries to pursue independent research careers.
Role: Ph.D. Trainee from Uganda.

Q. COMMUNITY OUTREACH ACTIVITIES

In terms of community service, in August 2019, I provided consultancy services to the Ministry of Water and Environment during the stakeholders' workshop to review the situational analysis report for the preparation of the River Mitano catchment management plan in Bushenyi District. The workshop culminated in the election of the Catchment Management Committee (CMC) for River Mitano in Western Uganda.

Since 2013, I have been providing consultancy services to the Uganda Society for Health Scientists (USHS) as an active member, an organization that brings together health and biomedical research scientists with a goal of improving health care practices in Uganda through research.

Furthermore, I've been the Patron of Lango Students Association (LASA) at Kampala International University Western Campus since 2014. As the Patron, I provide consultancy services to the LASA student leadership. But most importantly, together with LASA student leadership, we mobilize resources particularly from the members of parliament belonging to the Lango Parliamentary Group (LPG), as well as the general population. The funds are then used to purchase medication and procure logistics for free medical camps for needy communities in the Lango sub-region. The medical camps are held biannually conducted by finalist and semi-finalist medical students of Kampala International University belonging to LASA under strict supervision by qualified medical personnel.

Furthermore, Kampala International University Western campus regularly indulges in community service day whereby the University staff and students get involved in cleaning and serving the community surrounding the University. In this case, at the Faculty of Science and Technology, we have been involved in cleaning the Basajabalaba Township that neighbors the University, as well as offer services of repairing electronics particularly computers for the community members.

At the Faculty of Science and Technology, I served as the Research Coordinator for a year and subsequently as the Associate Dean of Research and Innovations whereby, my duties, among others, included initiating and directing the research agenda of the faculty in line with the set research goals of the University. I'm also a member of board of higher degrees and research. Furthermore, I'm also an editor of the KIU Journal of Science, Engineering and Technology.

R. PROFESSIONAL ACHIVEMENTS AND CAREER DEVELOPMENT ATTRIBUTES

- (a) The first Ugandan Fogarty-AITRP trainee “Directly admitted with Full Standing” to a PhD program in Molecular Virology at CWRU in the United States of America.
- (b) Recipient of Full Fogarty training Fellowship to pursue PhD studies in Molecular Virology at CWRU in the United States of America.
- (c) Completed PhD dissertation research in record time of four years.
- (d) Presented twenty-three abstracts at national and international scientific meetings, eleven out of which he is the principal author or last senior author.
- (e) Innovative and highly productive with PhD dissertation research generating four manuscripts published in peer-reviewed high impact international scientific journals and over fourteen research abstracts presented at National and International Scientific Meetings.
- (f) Has a total of over twenty years of research experience.
- (g) Excellent communication and interpersonal skills and the unique ability to work independently with minimal supervision.
- (h) Recipient of AITRP re-entry award to conduct HIV biomedical research in Uganda
- (i) Initiator of research collaborative and partnership with both local and international research scientists and scholars to bolster HIV Biomedical Research Capacity in Uganda.
- (j) Supervision and mentorship of students/scientists in to biomedical research scientists with the required knowledge and research skills necessary to independently conduct high quality research that are critical and relevant for HIV prevention in developing countries.
- (k) Provision of leadership to the University and service to both the general public and scientific community.

S. REFERENCES

1. George W. Lubega, Ph.D.
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2. Jonathan Karn, Ph.D.
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4. Christopher C. Whalen, M.D.
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Director of the Fogarty-AIDS International Training and Research Program
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