

CURRICULUM VITAE

NAME Charles Muiruri, PhD, MPH

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EDUCATION & TRAINING

| <u>Institution</u> | <u>Date</u> | <u>Degree</u> | <u>Field</u> |
|--|-------------|---------------|----------------------------|
| University of North Carolina at Chapel Hill Gillings School of Global Public Health | 2017 | PhD | Health Policy & Management |
| University of North Carolina at Chapel Hill Gillings School of Global Public Health | 2009 | MPH | Public Health Leadership |
| University of Nairobi | 1998 | BSc. | Mathematics & Chemistry |

ACADEMIC CAREER

2022-2023 Research Associate without Salary
University of California – San Francisco

2021- Assistant Professor
Department of Population Health Sciences
Duke Global Health Institute
Duke University School of Medicine

2021 - Co-Director
Center for Pathway Programs
<https://sites.duke.edu/centerforpathwayprograms/>
Duke University

2021 - Co-Director
Health Services Scientific Working Group
Center for AIDS Research
Duke University

2019 - 2021 Medical Instructor
Department of Population Health Sciences
Duke Global Health Institute
Duke University School of Medicine

2020- 2021 Adjunct Faculty
Department of Public Administration
North Carolina Central University

2018 - Visiting lecturer
Institute of Public Health, Kilimanjaro Christian Medical University
College, Moshi Tanzania

OTHER PROFESSIONAL EMPLOYMENT

2020 & 2022 Small Group Leader - IMS 248 Community-Engaged Research
University of California- San Francisco

2017 -2019 Consultant, FHI360
 2009 – 2019 Program Director
 Duke Global Health Institute, Duke University, Durham, NC
 2004 -2008 Program Coordinator, Duke University Medical Center,
 Infectious diseases division

HONORS, AWARDS & Professional memberships

2023 - Member, International Academy of Health Preference Research (IAHPR)
 2022 NHLBI PRIDE- RISE Scholar
 2021 REACH Equity Career Development Award recipient
 2019 Duke CFAR Early stage Investigator (ESI) award for the 2019
 2019 2020 ADVANCE-UP program – Academic Development, Advocacy, Networking, Coaching
 and Education for Underrepresented Populations at Duke.
 2017 - Board Member Affordable Community Residence Association (ACRA) (Durham)
 2015- Gillings Global Gateway Alumni Mentor (UNC-Chapel Hill)
 2009 - Member, American Public Health Association
 2009- Founder, Patron – Association of Research Administrators in Africa (ARAA)
 2009- Member, African Organization for Research and Training in Cancer (AORTIC)
 2017 Best Abstract, Social Behavioral Sciences, HIV & Aging; From Mitochondria to
 Metropolis, Decatur, Georgia
 2014 Best Poster, Global Education & Technology Health Summit; Dublin Ireland
 2014 Gillings Global Gateway Scholarship Award; UNC School of Public Health
 2012 Delta Omega National Honor Society, Graduate studies, UNC- Chapel hill
 2008 Rachel Stevens Special Service Fellowship Award; UNC- Chapel hill

RESEARCH GRANT PARTICIPATION

ONGOING

Addressing barriers to antihypertensive medication adherence among persons living with HIV who have achieved viral suppression (K01HL159052) - NHLBI (Muiruri) – 153,442 8/31/2021 – 6/30/2026
 The objective of this career development award is to receive mentorship and conduct research that first determines the most salient modifiable barriers persons living with HIV who have achieved viral suppression face along with health system barriers that an interventions should address in order to increase their likelihood of antihypertensive medication adherence and subsequently achieve blood pressure control
 Role: Principal investigator

Addressing barriers to achieving treatment goals for cardiometabolic disorders for persons living with HIV in the Southeastern United States Center for AIDS Research (CFAR) Administrative supplement (5P30 AI064518) NIAID \$241,000 (Muiruri) 2/1/2022 – 6/30/2023
 Three HIV clinics and two community-based organizations that provide care for PLWH in Mecklenburg and Durham Counties in North Carolina are involved in the study. This project will identify social determinants of cardiometabolic health and determine facilitators and modifiable barriers in achieving treatment goals; assess knowledge, skills, and confidence for self-management of cardiometabolic disorders for PLWH; and tailor a self-management support and education intervention with stakeholder input to enhance facilitators and address barriers identified.

Role: Principal investigator

Contextualizing factors associated with non-adherence to cardiovascular disease prevention strategies for people living with HIV who have achieved viral suppression. Center for AIDS Research (CFAR) Microgrant (5P30 AI064518) – NIAID \$20,000 (Muiruri) 11/1/2019 – 6/30/2023

The objective of this study is to obtain preliminary data to elucidate the extent of nonadherence and to facilitate better understanding of the factors that affect adherence to hypercholesterolemia and hypertension medication and life style modification for PLWH who have achieved viral suppression Duke infectious diseases (ID) clinic

Role: Principal investigator

Discrete Choice Experiment Study in Prostate Cancer (DECIDER) Study.

Astellas Pharma Global Development Inc. (Gonzalez) 03/01/2020- 11/30/2023

This is a Prospective Evaluation of Prostate Cancer Patient Preferences for Outcomes of Hormonal Agents and Chemotherapy in Combination with Androgen Deprivation Therapy

Role: Investigator

Pathways to cardiovascular disease prevention and impact of specialty referral in under-represented racial/ethnic minorities with HIV - R01 MD013493-01 - \$3,000,000 (Bloomfield) 9/1/2018 -3/31/2024

Project seeks to determine the effect of cardiology referral cardiovascular disease (CVD) outcomes in a large racially/ethnically diverse cohort of people living with HIV, and to generate qualitative and quantitative evidence to guide development of a framework for future interventions.

Role: Co-investigator

To Reach the People: Transforming Health Professions Education In Tanzania (THET)

FIC- R25TW011227-01 \$3,000,000 (Kaaya) - 9/1/2018- 8/31/2023

HEPI proposes to develop and share education and research innovations through key relationships with stakeholders in the public and private sectors in Tanzania

Role: Project leader/ Investigator

Sociobehavioral Sciences Research to Improve Care for HIV Infection in Tanzania. FIC - D43-TW009595

\$1,200,000 (Mmbaga) 06 01/02/ 2018 - 01/31/28

This training grant focuses on developing a critical mass of qualified researchers in Sociobehavioral research at KCMC.

Role: Training director/ mentor

COMPLETED

Faculty Development Award - Center for AIDS Research (CFAR) (5P30 AI064518) – NIAID \$25,000 (Muiruri) 2/1/2019 – 11/30/2023

The purpose of this funding is to support the establishment of a research program in CVD medication adherence at Duke.

Role: Principal investigator

Hypertension and Hyperlipidemia Medication Adherence in EXTRA-CVD Study: Diversity Supplement – NHLBI -U01 HL142099-01S1 - \$540,000 (1/11/2019 – 11/30/2021)

This study will explore intrinsic and extrinsic motivating factors that facilitate optimal hypertension and hyperlipidemia medication adherence among PLHIV who have achieved durable viral suppression.
Role: Trainee PI

Sociobehavioral Sciences Research to Improve Care for HIV Infection in Tanzania. D43-TW009595-S1 \$100,000 (Bartlett/Muiruri) 06/01/2018 - 01/31/22
This supplemental funding to investigate the effect of Patient-Initiated Repackaging of Antiretroviral Therapy (ART) on Adherence and Viral Suppression in Northern Tanzania.
Role: Principal Investigator

The Adolescent Mental Health in Africa Network Initiative (AMANI),
Pilot grant from Duke Global Health Institute to \$25,000 6/1/2019 – May 31, 2020
AMANI proposed to focus on measurement and compilation of existing data in East and Southern Africa that will provide the foundation necessary to define mental health gaps, apply for external funding to evaluate tailored mental health interventions, and build capacity of future mental health specialists.
Role: Investigator

Investigating Febrile Deaths in Tanzania (INDITe). NIAID -R01AI121378 \$2,679,841 (Crump) 01/01/2016 – 12/31/2020
The objective of INDITe is to identify actionable patient management and health system interventions that could avert fatal outcomes among patients with severe febrile illness in low-resource areas. This is collaboration between DGHI, Duke – National University of Singapore, KCMC, CDC and University of South Carolina.
Role: Investigator – Social Autopsy

Strengthening of Research Capacity For Junior Faculty in Tanzania Program- FIC - D43TW010138 – NIH/FIC –\$3,000,000 (Mteta) - 9/1/2015 – 8/31/2020
The project focuses on research capacity building for junior faculty in Tanzania. This is collaboration between KCMC, CUHAS, Weil Cornell Medical Center and DGHI.
Role: Project Leader / Investigator/ mentor

Medical Education Partnership Initiative (MEPI) HRSA T84HA21123 \$10,000,000 (Mteta) - 9/01/10 – 9/01/16
The project focused on enhancing medical education at KCMU College and KCMC through a robust information technology platform. This was a collaborative project between the Duke School of Medicine and KCMC.
Role: Investigator and Project Leader

Impact and Social Ecology of Bacterial Zoonoses in Northern Tanzania FIC -R01 TW009237 (Crump) 9/01/11-5/31/15 - \$3,000,000
This project was a collaboration between the US, UK, and Tanzania institutions which investigated the transmission patterns of febrile illnesses among humans, livestock and wildlife hosts in Northern Tanzania.
Role: Investigator and Project Leader

International Clinical Trials Unit NAID U01 AI062563 \$4,000,000 (Bartlett)– 9/1/04-8/31/08 -
This project assisted in fostering an independent and sustainable research enterprise by conducting

clinical trials for AIDS-associated co-infections in the Kilimanjaro Region of Tanzania.

Role: Project Coordinator

AIDS International Training and Research Program (AITRP) FIC -D43 TW06732 (Bartlett) 6/1/04-5/31/14 - \$2,200,000

The major goal of the projects was to develop a critical mass of qualified researchers in Tanzania capable to conduct clinical, epidemiological, operational, and behavioral HIV preventions and treatment.

Role: Project Leader, Coordinator

Research Administration Supplement FIC -D43 TW006732) \$107,000 – (Bartlett/ Muriuri)– 6/1/08-5/31/14 - . The objective of this project was to pilot and study the formation of a research administrator’s hub in Africa.

Role: Principal Investigator

Developing Research Capacity in Africa for Studies on HIV-Associated Malignancies NCI -D43 CA15372 – - \$3,250,000 (Bartlett) – 7/1/10-6/30/15

The major focus of the project was to develop a critical mass of qualified researchers and support staff for HIV/AIDS associated malignancies to build a platform to conduct future clinical trials.

Role: Project Leader and Coordinator

PEER REVIEWED PUBLICATIONS

Under review

1. Bloomfield, GS; Hill, CL; Chiswell, K; Cooper, L; Gray, S; Longenecker, CT; Louzao, D; Marsolo, K; Meissner, EG; Morse, CG; **Muiruri, C** ; Thomas, KL; Velazquez, EJ; Vicini, J; Pettit, AC; Sanders G; Okeke, NL Cardiology Encounters for Underrepresented Racial and Ethnic Groups with Human Immunodeficiency Virus and Borderline Cardiovascular Disease Risk; accepted at Journal of Racial and Ethnic Health Disparities

Published

2023

1. Wajanga, B.M.K., Kim, C.Y., Knettel, B.A., Juma, A., Kayange, N., Msaki, E.B., Mabula, D., Malulu, A.Z., Peck, R.N., Bartlett, J.A. and **Muiruri, C.** (2023) Barriers in the Transition of Care for Heart Failure Patients Attending Clinics in Mwanza City, Tanzania. World Journal of Cardiovascular Diseases , 13, 92-104. <https://doi.org/10.4236/wjcd.2023.132007>

2022

1. Kerkhoff AD, **Muiruri C**, Geng EH, Hickey MD. A world of choices: preference elicitation methods for improving the delivery and uptake of HIV prevention and treatment. Curr Opin HIV AIDS. 2023 Jan 1;18(1):32-45. doi: 10.1097/COH.0000000000000776. Epub 2022 Nov 17. PMID: 36409315; PMCID: PMC9772083.
2. Ruffin F, Dagher M, Park LP, Wanda L, Hill-Rorie J, Mohnasky M, Marshall J, Souli M, Lantos P, Sharma-Kuinkel BK, Maskarinec SA, Eichenberger EM, **Muiruri C**, Broadnax B, Fowler VG. Black and White Patients with Staphylococcus aureus Bacteremia have Similar Outcomes but Different Risk Factors. Clin Infect Dis. 2022 Nov 14;ciac893. doi: 10.1093/cid/ciac893. Epub ahead of print. PMID: 36373405.

3. Kayange, N. Kidenya, B.R. **Muiruri, C.** Wajanga, B.M.K. Reis, K. Philemon, R.N. Revocatus, B. Msaki, E. Bartlett, J.A. Mazigo, H.D. (2022) Impact of Praziquantel on Schistosomiasis Infection and the Status of Proteinuria and Hematuria among School Children Living in *Schistosoma mansoni*-Endemic Communities in Northwestern Tanzania. *Advances in Infectious Diseases*, **12**, 448-465. doi: [10.4236/aid.2022.123035](https://doi.org/10.4236/aid.2022.123035).
4. Gonzalez Sepulveda JM, Johnson FR, Reed SD, **Muiruri C**, Hutyra CA, Mather RC 3rd. Patient-Preference Diagnostics: Adapting Stated-Preference Methods to Inform Effective Shared Decision Making. *Med Decis Making*. 2022 Jul 29;272989X221115058. doi: 10.1177/0272989X221115058. Epub ahead of print. PMID: 35904149.
5. Vilme, H., Duke, N. N., Dokurugu, Y., Akin-Odanye, E. O., Paul, C. J., Kaninjing, E., López I.A., Matsouaka R., Speights J.S.B., De Leon J., Sauls D.L. Ndip R.N., Amisah F., Bosworth H., Warren C.L., **Muiruri, C.** (2022). Food insecurity among university students in the United States amidst the COVID-19 pandemic. *Journal of American College Health*, 1-6. doi:10.1080/07448481.2022.2082840
6. **Muiruri C**, Corneli A, Cooper L, Dombeck C, Gray S, Longenecker CT, Meissner EG, Okeke NL, Pettit AC, Swezey T, Vicini J, Bloomfield GS. Perspectives of HIV specialists and cardiologists on the specialty referral process for people living with HIV: a qualitative descriptive study. *BMC Health Serv Res*. 2022 May 9;22(1):623. doi: 10.1186/s12913-022-08015-0. PMID: 35534889; PMCID: PMC9082896.
7. Semvua SK, Kim CY, **Muiruri C**, Peter TA, Mmbaga BT, Bartlett JA, Zullig LL, Jazowski SA, Knettel BA, Karia FP, Ramadhani HO. Predictors of Self-repackaging of Antiretroviral Therapy in Northern Tanzania. *Am J Health Behav*. 2022 Apr 20;46(2):124-133. doi: 10.5993/AJHB.46.2.3. PMID: 35501963.
8. **(Acknowledged)** Sepulveda JMG, Baid D, Johnson FR, Finkelstein EA. What is a Good Death? A Choice Experiment on Care Indicators for Patients at End of Life. *J Pain Symptom Manage*. 2022 Apr;63(4):457-467. doi: 10.1016/j.jpainsymman.2021.11.005. Epub 2021 Nov 15. PMID: 34793947.
9. **Muiruri C**, Wajanga B, Kim C, Knettel BA, Mhina CJ, Bartlett JA, Msangi JJ, Msabah MA, Vilme H, Kalluvya S. Correlates of Blood Pressure Awareness, Treatment, and Control Among Adults 50 Years or Older by HIV Status in Northwestern Tanzania. *Curr Hypertens Rep*. 2022 Apr 6. doi: 10.1007/s11906-022-01188-3. Epub ahead of print. PMID: 35384578.
10. Wajanga BMK, Kim CY, Peck RN, Bartlett J, Mabula D, Juma A, **Muiruri C**. Is lack of health insurance a predictor of worsening of heart failure among adult patients attending referral hospitals in Northwestern Tanzania? *PLoS One*. 2022 Mar 8;17(3):e0264352. doi: 10.1371/journal.pone.0264352. PMID: 35259171; PMCID: PMC8903262.
11. Schroeder K, Maiarana J, Gisiri M, Joo E, **Muiruri C**, Zullig L, Masalu N, Vasudevan L. Caregiver Acceptability of Mobile Phone Use for Pediatric Cancer Care in Tanzania: Cross-sectional Questionnaire Study. *JMIR Pediatr Parent*. 2021 Dec 8;4(4):e27988. doi: 10.2196/27988. PMID: 34889763.

2021

1. Mhina, C., Bosworth, H., Bartlett, J. A., Vilme, H., Mosha, J. H., Shoo, D. F, Kakumbi, T.J., Jacob, G., **Muiruri, C.** (2021). The impact of out-of-pocket expenditures on missed appointments at HIV care and treatment centers in Northern Tanzania. *Global Health Journal* <https://doi.org/10.1016/j.glohj.2021.04.004>

2. Knettel BA, Muhirwa A, Wanda L, Amiri I, **Muiruri C**, Fernandez KM, Watt MH, Mmbaga BT, Relf MV. Patient perspectives on the helpfulness of a community health worker program for HIV care engagement in Tanzania. *AIDS Care*. 2021 Oct 26;1-8. doi: 10.1080/09540121.2021.1995840. Epub ahead of print. PMID: 34702095.
3. Knettel BA, Wanda L, Amiri I, Myers J, Fernandez KM, **Muiruri C**, Watt MH, Mmbaga BT, Relf MV. Assessing the Influence of Community Health Worker Support on Early Antiretroviral Therapy Adherence, Anticipated Stigma, and Mental Health Among People Living with HIV in Tanzania. *AIDS Patient Care STDS*. 2021 Aug;35(8):308-317. doi: 10.1089/apc.2021.0028. PMID: 34375138; PMCID: PMC8380803.
4. Akin-Odanye EO, Kaninjing E, Ndip RN, Warren CL, Asuzu CC, Lopez I, **Muiruri C**, Vilme H. PSYCHOSOCIAL IMPACT OF COVID-19 ON STUDENTS AT INSTITUTIONS OF HIGHER LEARNING. *Eur J Educ Stud*. 2021;8(6):112-128. doi: 10.46827/ejes.v8i6.3770. PMID: 34589665; PMCID: PMC8478355.
5. Mkumba L, **Muiruri C**, Garg K, Watt MH, Okeke NL. Perspectives of Chronic Disease Management Among Persons with HIV: A Qualitative Study. *Patient Prefer Adherence*. 2021 Jan 13;15:49-55. doi: 10.2147/PPA.S287325. PMID: 33469274; PMCID: PMC7812046.
6. Schexnayder, J., Longenecker, C.T., **Muiruri, C.**, Bosworth, H.B., Gebhardt, D., Gonzales, S.E., Hanson, J.E., Hileman, C.O., Okeke, N.L., Sico, I.P., Vedanthan, R., & Webel, A.R. Understanding Constraints on Integrated Care for People with HIV and Multimorbid Cardiovascular Conditions: An application of the Theoretical Domains Framework. *Implementation Science Communications*. Accepted 1/20/2021.

2020

1. Murray M, Ibrahim G, Tarimo C, Park L, Msuka G, Kapanda G, Kulanga A, **Muiruri C**, Bartlett J. 2020, 'Association Between E-learning System Usage and Medical Student Academic Performance at the Kilimanjaro Christian Medical University College in Moshi, Tanzania', *MedEdPublish*, 9, [1], 278, <https://doi.org/10.15694/mep.2020.000278.1>
2. Kayange NM, Mazuguni N, Hokororo A, **Muiruri C**, Reis K, Kidenya BR, Mazigo HD, Renal abnormalities and associated factors among school-aged children living in *Schistosoma mansoni* endemic communities in North-Western Tanzania. *Trop Med Health*. 2020 Jul 6;48:55. doi: 10.1186/s41182-020-00243-6. eCollection 2020. PMID: 32641904
3. Vilme H, Paul C, Duke N, Campbell S, Sauls D, **Muiruri C**, Skinner A, Bosworth H, Dokurugu Y, Fay J, Using geographic information systems to characterize food environments around historically black colleges and universities: Implications for nutrition interventions, *Journal of American College Health*, DOI: [10.1080/07448481.2020.1767113](https://doi.org/10.1080/07448481.2020.1767113) PMID: 32569511
4. Snavey M, Oshoseny M, Msoka E, Karia FP, Maze M, Blum L, Rubach M, Mmbaga, BT, Maro, V., Crump JA, **Muiruri C**. "If You Have No Money, You Might Die": A Qualitative Study of Sociocultural and Health System Barriers to Care for Decedent Febrile Inpatients in Northern Tanzania. *Am J Trop Med Hyg*. 2020 Apr 20. doi: 10.4269/ajtmh.19-0822. [Epub ahead of print] PMID: 32314691

5. **Muiruri C**, Sico IP, Schexnayder J, Webel AR, Okeke NL, Longenecker CT, Gonzalez JM, Jones KA, Gonzales SE, Bosworth HB. Why Do People Living with HIV Adhere to Antiretroviral Therapy and Not Comorbid Cardiovascular Disease Medications? A Qualitative Inquiry. *Patient Prefer Adherence*. 2020;14:985-994 <https://doi.org/10.2147/PPA.S254882>
6. Aifah, A., Okeke, N. L., Rentrope, C. R., Schexnayder, J., Bloomfield, G. S., Bosworth, H., Grover, K., Hileman, C. O., **Muiruri, C.**, Oakes, M., Webel, A. R., Longenecker, C. T., Vedanthan, R. (2020). Use of a human-centered design approach to adapt a nurse-led cardiovascular disease prevention intervention in HIV clinics. *Prog Cardiovasc Dis*. 2020 Feb 21; doi:10.1016/j.pcad.2020.02.013 PMID: 32092444
7. **Muiruri, C.**, Longenecker CT., Meissner E., Okeke NL., Pettit AC., Thomas K., Velazquez E., Bloomfield GS. Prevention of cardiovascular disease for historically marginalized racial and ethnic groups living with HIV: A Narrative review of the literature; *Progress in Cardiovascular Diseases*, <https://doi.org/10.1016/j.pcad.2020.02.006> PMID: 32057785
8. **Muiruri, C.**, Jazowski, S. A., Semvua, S. K., Karia, F. P., Knettel, B. A., Zullig, L. L., . . . Bosworth, H. B. (2020). Does Antiretroviral Therapy Packaging Matter? Perceptions and Preferences of Antiretroviral Therapy Packaging for People Living with HIV in Northern Tanzania. *Patient preference and adherence*, 14, 153-161. doi:10.2147/ppa.S238759 eCollection 2020. PMID: 32021125
9. Bartlett JA, **Muiruri C**, Omari H., HIV Treatment and Research in Sub-Saharan Africa: A Progress Report; *Research Africa Reviews Vol 3. No.3, December 2019* <https://sites.duke.edu/researchafrica/ra-reviews/volume-3-issue-3-dec-19>

2019

1. **Muiruri, C.**, Swai, S. J., Ramadhani, H. O., Knettel, B. A., Mahande, M. J., Msuya, S. E., & Bartlett, J. A. (2019). Individual and partner characteristics associated with HIV testing and counseling uptake among individuals 50 years or older in Tanzania. *Int J STD AIDS*. 2019 Dec;30(14):1425-1431. doi: 10.1177/0956462419874990. Epub 2019 Nov 20. PMID: 31747843
2. Vilme, H, Duke NN, **Muiruri C**, Wordlaw L, Skinner AC, Using Telehealth to Disseminate Primary, Secondary, and Tertiary CVD Interventions to Rural Populations; *Curr Hypertens Rep Curr Hypertens Rep*. 2019 Nov 7;21(12):92. doi: 10.1007/s11906-019-0998-8. PMID: 31701257
3. **Muiruri C**, Manavalan P, Vilme, H, Knettel BA, Jazowski SA, Zullig LL, Bosworth HB., Opportunities to leverage telehealth in the hypertension control cascade in Sub Saharan Africa. *Curr Hypertens Rep*. 2019 Aug 26;21(10):75. doi: 10.1007/s11906-019-0983-2. PMID: 31451940
4. Okeke NL, Webel AR, Aifa A, Bloomfield G, Choi E, Gonzales S, Hale S, Hileman C, Kidwell V, **Muiruri C**, Oakes M, Schexnayder J, Smith V, Vedanthan R, Bosworth HB, Longenecker CT, Rationale and Design of A Nurse-led Intervention to Extend the HIV Treatment Cascade for Cardiovascular Disease Prevention Trial (EXTRA-CVD) *Am Heart J*. 2019 Oct;216:91-101. doi: 10.1016/j.ahj.2019.07.005. Epub 2019 Jul 18. PMID: 31419622
5. Munishi OM, McCormack V, Mchome B, Mang G, Zullig LL, Bartlett J, Mapunda O, Nyindo P, Namwai T, **Muiruri C**, Kimaro F, Karia F, Mmbaga BT. Awareness of Cancer Risk Factors and Its

Signs and Symptoms in Northern Tanzania: a Cross-Sectional Survey in the General Population and in People Living with HIV; *J Cancer Educ.* 2019 Mar 27. doi: 10.1007/s13187-019-01513-6. Online ahead of print. PMID: 30915669

2018

1. Maze MJ, Cash-Goldwasser S, Rubach MP, Biggs HM, Galloway RL, Sharples KJ, Allan KJ, Halliday JEB, Cleaveland S, Shand MC, **Muiruri C**, Kazwala RR, Saganda W, Lwezaula BF, Mmbaga BT, Maro VP, Crump JA. Risk factors for human acute leptospirosis in northern Tanzania. *PLoS Negl Trop Dis.* 2018 Jun 7;12(6):e0006372. doi: 10.1371/journal.pntd.0006372. eCollection 2018 Jun.
2. Tarimo CN, Kapanda GE, **Muiruri C**, Kulanga AT, Lisasi E, Mteta KA, Kessi E, Mogella D, Maro V, Rogers T, Mimano L, Bartlett JA, Building Clinical Clerkships Capacity in a Resource-limited Setting: The Case of the Kilimanjaro Christian Medical University College in Tanzania. *Annals of Global Health.* 2018; 84(1), pp. 129–138. DOI: <https://doi.org/10.29024/aogh.15>
3. Snavely ME, Maze MJ, **Muiruri C**, Ngowi L, Mboya F, Beamesderfer J, Makupa GF, Mwingwa AG, Lwezaula BF, Mmbaga BT, Maro VP, Crump JA, Ostermann J, Rubach MP.; Assessing the non-biologic contributors to mortality among inpatients with febrile illness in Tanzania: a prospective social biopsy cohort study; *BMJ Glob Health.* 2018 Feb 21;3(1):e000507. doi: 10.1136/bmjgh-2017-000507. eCollection 2018. PMID:29527339
4. Cash-Goldwasser S, Maze MJ, Rubach MP, Biggs HM, Stoddard RA, Sharples KJ, Halliday JE, Cleaveland S, Shand MC, Mmbaga BT, **Muiruri C**, Saganda W, Lwezaula BF, Kazwala RR, Maro VP, Crump JA. Risk factors for human brucellosis in northern Tanzania. *Am J Trop Med Hyg.* 2018 Feb;98(2):598-606. doi: 10.4269/ajtmh.17-0125. Epub 2017 Dec 7. PMID:29231152

2017

1. Bartlett JA, **Muiruri C**, Omari H., The Current State of HIV Treatment and Research in Africa, *Research Africa Reviews* Vol. 1 No. 2 pp. 30-33, September 2017, <https://sites.duke.edu/researchafrica/ra-reviews/volume-1-issue-2-september-2017>
2. Tibyampansa D., Ibrahim G., Kapanda G., Tarimo C., Minja A., Kulanga A., **Muiruri C.**, Mteta K., Kessy E., Bartlett J. ; Implementation of a Learning Management System for Medical Students: A Case Study of Kilimanjaro Christian Medical University College; AMEE MedEdPublish; DOI: <https://doi.org/10.15694/mep.2017.000050>
3. Ramadhani HO, **Muiruri C**, Maro VP, Nyombi B, Omondi M, Mushi JB, Lirhunde ES, Bartlett JA.; Patient-initiated Repackaging of Antiretroviral Therapy , Viral suppression and Drug Resistance - *AIDS Behav.* 2017 Feb 9. doi: 10.1007/s10461-017-1721-x PMID:28185021 PMCID: PMC5550377 [Available on 2018-08-09]DOI:10.1007/s10461-017-1721-x

2016

- 1.Zhang HL, Omondi MW, Musyoka AM, Afwamba IA, Swai RP, Karia FP, **Muiruri C**, Reddy EA, Crump JA, Rubach MP, The challenges of maintaining Good Clinical Laboratory Practices in low-resource settings: a health program evaluation framework case study from East Africa, *Am J Clin Pathol*. 2016 Aug;146(2):199-206. doi: 10.1093/ajcp/aqw083.
- 2.Ramadhani, HO, **Muiruri, C**, Maro, VP, Omondi, M, Mushi, JB, Lirhunde, ES, and Bartlett, JA. "Association of knowledge on ART line of treatment, scarcity of treatment options and adherence. *BMC Health Serv Res*. 2016 Jul 15;16:265. doi: 10.1186/s12913-016-1483-6
- 3.Bukibinga P, Matanda, D, Ayiko R, Rujumba J, **Muiruri C**, Amendah D, Atela M, Pregnancy history and current use of contraception among women of reproductive age in Burundi, Kenya, Rwanda, Tanzania and Uganda: analysis of demographic and health survey data. *BMJ Open* 2016;6:e009991.doi:10.1136/bmjopen-2015-009991
- 4.Kapanda G E, **Muiruri C**, Kulanga A, Tarimo C, Lisasi E, Mimano L, Mteta K, Bartlett J, Enhancing future acceptance of rural placement in Tanzania through peripheral hospital rotations for medical students *BMC Med Educ*. 2016 Feb 9;16:51 DOI 10.1186/s12909-016-0582-8
- 5.Zullig LL, Schroeder K, Nyindo P, Namwai T, Silayo E, Moomba A, Munishi MO, Karia F, **Muiruri C**, Bartlett J, Maro V, Zafar SY. "Validation and quality assessment of the Kilimanjaro Cancer Registry." published on April 27, 2016 as doi:10.1200/JGO.2015.002873

2015

1. Mimano L, Ferrari G, Kapanda G, Lisasi E, Kulanga A, Nyombi B, **Muiruri C**, Kessi E, Bartlett J, Ntabaye M. Student perceptions on the introduction of training in diagnostic laboratory techniques in an African school of medicine. *MedEdPublish* 2015: <http://dx.doi.org/10.15694/mep.2015.005.0008>

2014

1. **Muiruri C**, Kapanda G, Tibyampansha D, Ibrahim G, Kulanga AT, Lisasi ED, Weiner BJ, Bartlett JA. "eLearning at Medical School in sub Saharan Africa- Use of Technology Acceptance Model to evaluate implementation effectiveness" *Annals of Global Health* Volume 80, Issue 3, Pages 153-244 (May–June 2014)
2. Lisasi E, Kulanga A, **Muiruri C**, Killewo L, Fadhili N, Mimano L, Kapanda G, Tibyampansha D, Ibrahim G, Nyindo M, Mteta K, Kessi E, Ntabaye M, Bartlett J. Modernizing and transforming medical education at the Kilimanjaro Christian Medical University College. *Acad Med*. 2014 Aug;89(8 Suppl):S60-4. doi: 10.1097/ACM.0000000000000327.
3. Killewo L, Lisasi E, Kapanda G, Tibyampansha D. Ibrahim G, Kulanga A, **Muiruri C**, Fadhili N, Wiener D, Wood A, Kessi E, Mteta K, Ntabaye M, Bartlett J. Introduction of a learning management system at the Kilimanjaro Christian Medical University College. *African Journal of Health Professions Education*, 2014;6:37-40.

4. Zullig LL, Vanderburg SB, **Muiruri C**, Abernethy A, Weiner BJ, Bartlett JA, Oneko O, Lisasi E, Oresto M, Zafar SY. "Sustainability of Cancer Registration in the Kilimanjaro Region of Tanzania - A Qualitative Assessment." *World Health Popul.* 2014;15(1):21-30.

2013

1. Crump JA, Morrissey AB, Nicholson WL, Massung RF, Stoddard RA, Galloway RL, Ooi EE, Maro VP, Saganda W, Kinabo GD, **Muiruri C**, Bartlett JA; Etiology of severe non-malaria febrile illness in Northern Tanzania: a prospective cohort study. *PLoS Negl Trop Dis.* 2013 Jul 18;7(7):e2324. doi: 10.1371/journal.pntd.0002324. PMID:23875053
2. Zullig LL, **Muiruri C**, Abernethy A, Weiner BJ, Bartlett J, Oneko O, Zafar SY; Cancer registration needs assessment at a tertiary medical centre in Kilimanjaro, Tanzania ; *World Health Popul.* 2013;14(2):12-23. PMID:23713208

2011

1. Ostermann J, Reddy EA, Shorter MM, **Muiruri C**, Mtalo A, Itemba DK, Njau B, Bartlett JA, Crump JA, Thielman NC. Who tests, who doesn't, and why? Uptake of Mobile HIV counseling and testing in the Kilimanjaro Region of Tanzania. *PLoS One.* 2011 Jan 31;6(1):e16488. PMID:21304973

BOOK CHAPTERS

1. Muiruri, C., Omar, H. R., & Bartlett, J. A. (2014). Antiretroviral Treatment in Resource-Limited Settings. In T. J. Hope, M. Stevenson, & D. Richman (Eds.), *Encyclopedia of AIDS* (pp. 1-11). New York, NY: Springer New York.

PRESENTATIONS

Invited oral and poster presentations

2023

1. **Charles Muiruri, Featured speaker: Duke Center for Research to Advance Healthcare Equity. *Improving Outcomes for People with HIV and Comorbid Cardiovascular Disease.* February 20, 2023**
2. **Charles Muiruri, *Global Implementation Science; Keynote Speaker,* Annual KCMC Sociobehavioral Sciences Symposium. January 19-20, 2023**
3. **Charles Muiruri, *Enhancing Referrals from CTC to Outpatient Clinics for people living with HIV,* Annual KCMC Sociobehavioral Sciences Symposium. January 19-20, 2023, podium presentation.**

2022

1. **Charles Muiruri, *Creating career pathways for URM in Research" presented at a virtual NHLBI/Center for Translation Research and Implementation Science (CTRIS) sponsored Workshop Dec 1 -2***
2. **Charles Muiruri, Hayden Bosworth, Tianbei Zhang, Rita Kibicho, Rayanna Mboma, Shelby Reed, Reed Johnson, Juan Marcos Gonzalez, Presented at the 13th Meeting of the International**

Academy of Health Preference Research held on 5-6 September 2022, Berlin, Germany. Podium Presentation

1. Bahati M. K. Wajanga, Christine Y. Kim, Deodatus Mabula, Neema M. Kayange, John A. Bartlett, Brandon Knettel, Msabah A. Msabah, Jamali Msangi, **Charles Muiruri**; Twelve months outcomes for heart failure patients attending outpatient clinics in Tanzania; presented at the QCOR 2022 Scientific Sessions of the American Heart Association on May 13-14, 2022 Reston Virginia USA, Poster
Awarded the 2022 Paul Dudley White International Scholar Award

2020.

1. Semvua SK; Kim CY; **Muiruri C**; Antipas T; Mmbaga BT; Bartlett JA; Zullig LL; Jazowski SA; Knettel BA; Ramadhani HO; Predictors of self-repackaging of antiretroviral therapy drugs for people living with HIV in Northern Tanzania; Oral presentation at Annual Sociobehavioral Sciences Symposium March 2-3. Moshi, Tanzania.
2. **Muiruric**, Mwamba R. Gichane M. NIH Research Supplements to Promote Diversity in Health-Related Research (DS); presented at the Duke Global Health Institute, Durham, NC

2019.

1. **Muiruric**, Mwamba R. NIH Research Supplements to Promote Diversity in Health-Related Research (DS); presented at the Center For AIDS Research Chalk Talk, Durham, NC
2. **Muiruri C**, Sico I, Okeke NL, Schexnayder J, Webel AR, Longenecker CT, Gonzales S, Jones K, Bosworth HB; Why are People Living with HIV Adherent to ARTs and Nonadherent to Cardiovascular Disease Prevention Strategies? Presented at the 23rd Annual CFAR Meeting, November 7th 2019
3. **Muiruri C**, Jazowski S, Semvua S, Karia FP, Knettle B A, Zullig LL, Ramadhani HO, Mmbaga BT, Bartlett JA, Bosworth HB Does antiretroviral therapy drugs packaging matter? Perceptions and preferences of people living with HIV in Northern Tanzania. Presented at FHI360's "Evidence that matters" seminar series, September 18th, 2019 .
4. Aifah A, Okeke NL, Rentrope C, Schexnayder J, Bloomfield G, Bosworth HB, Grover K, Hileman C, **Muiruri C**, Oakes M, Webel AR, Longenecker CT, Vedanthan R; A human-centered design approach to engage stakeholders: development of a nurse-led intervention to extend the HIV treatment cascade for cardiovascular disease prevention (EXTRA-CVD), presented at 12th Annual Conference on the Science of Dissemination and Implementation, December 4-6 at the Crystal Gateway Marriott in Arlington, VA
5. Schexnayder J, Longenecker CT, **Muiruri C**, Okeke NL, Bosworth HB, Hileman C, Gebhardt D, Gonzalez SE, Hanson JE, Sico I, Vedanthan R, Webel AR; Getting to the heart of it: An examination of barriers and enablers to cardiovascular disease (CVD) prevention in HIV care settings; presented at 12th Annual Conference on the Science of Dissemination and Implementation, December 4-6 at the Crystal Gateway Marriott in Arlington, VA
6. Jazowski SA, **Muiruri C**, Karia FP, Semvua S, Ramadhani HO, Mmbaga BT, Bartlett JA, Zullig LL, Perceived Facilitators of and Barriers to Medical Care and ART Adherence in Northern Tanzania: A Qualitative Study, Poster Presentation on June 2, 2019, 2019 Academy Health Annual Research Meeting, Washington, DC June 2-4.
7. Duke Global Health Institute Regional Partners Workshop. March 14-16, Nairobi Kenya. Panelist-Gaining Momentum in Global Health Research by Leveraging Partnerships. Grant Writing workshop instructor.

8. Annual Sociobehavioral Sciences Symposium March 11-12. Moshi, Tanzania. Oral Presentation. "People living with HIV's perceptions and preferences of antiretroviral drug packaging in Northern Tanzania."

2018

1. Panelist: Stories from Africa Seminar Series "*Financing Health in Sub Saharan Africa*" October 18, 2018 Duke University. Sponsored by the Center for Policy Impact in Global Health.

2017

1. Snavelly M, Maze MJ, **Muiruri C**, Ngowi L, Mboya F, Beamesderfer J, Makupa G, Mwingwa A, Lwezaula BF, Mmbaga BT, Maro VP, Crump JA, Ostermann J, Rubach MP; Assessing the non-biologic contributors to mortality among inpatients with febrile illness in Tanzania: a prospective cohort social biopsy study; Poster# 92 presented at ASTMH 66th Annual meeting November 5-9, 2017, Baltimore, MD
2. **Muiruri C.**, Ghedamu T., Zullig LL., Paul JE., Weinberger M., Bartlett JA., Bennett AV., Infectious diseases specialists' perceptions and attitudes regarding cardiovascular disease prevention among HIV-infected persons: A qualitative study. Poster #18. *2017 CFAR Fall Scientific Retreat*, Durham NC USA September, 2017
3. **Muiruri C**, Okeke NL, Zullig LL, Mkumba L. Paul JE, Weinberger M., Bennett AV., Holmes M., Bartlett JA, Does having a Primary Care Provider improve the quality of primary cardiovascular disease prevention for People Living with HIV? Oral. *HIV and Aging: From the Mitochondria to the Metropolis*. Decatur Georgia, November, 16- 17, 2017.
4. **Muiruri C**, Zullig LL, Okeke NL, Mkumba L. Paul JE, Weinberger M., Bennett AV., Holmes M., Bartlett JA, Differences in Prescription patterns for secondary prevention of cardiovascular disease for people living with HIV. Poster . *HIV and Aging: From the Mitochondria to the Metropolis*. Decatur Georgia, November, 16- 17, 2017.

2016

1. Cash-Goldwasser S, Maze MJ, Rubach MP, Biggs HM, Stoddard RA, Sharples KJ, Halliday JE, Cleaveland S, Shand MC, Mmbaga BT, **Muiruri C**, Saganda W, Lwezaula BF, Kazwala RR, Maro VP, Crump JA. Risk factors for acute human brucellosis in northern Tanzania. Abstract 536. 65th American Society of Tropical Medicine and Hygiene annual meeting, Atlanta, GA, 13-17 November 2016.[Poster]
2. Maze1 MJ, Cash-Goldwasser S, Biggs HM, Rubach MP, Galloway RL, Shadomy SV, Sharples KJ, Allan KJ, Halliday JE, Cleaveland S, Shand MC, **Muiruri C**, Kazwala RR, Saganda W, Lwezaula BF, Mmbaga BT, Maro VP, Crump JA. Risk factors for acute human leptospirosis in northern Tanzania. Abstract 640. 65th American Society of Tropical Medicine and Hygiene annual meeting, Atlanta, GA, 13-17 November 2016.[Oral]
3. Omari HO, **Muiruri C**, Bartlett JA, "Association of knowledge on ART line of treatment, scarcity of treatment options and adherence" CFAR Annual retreat. September 2016 [Poster]

4. **Muiruri C**, John, S, Omari HO, Bartlett JA, "Individual and interpersonal factors associated with HIV testing and counseling uptake among individuals older than 50 years in Northern Tanzania." CFAR Annual retreat. September 2016 [Poster]
5. Omari HO, **Muiruri C**, Bartlett JA, "Patient initiated repackaging of Antiretroviral drugs in 5CTC of Kilimanjaro region" 2nd Annual SBS symposium, March 7-8 2016. Moshi Tanzania[Oral]
6. Zullig LL, **Muiruri C**, Nyindo P, Namwai T, Karia F, Oresto M, Silayo E, Msomba A, Bartlett J, Zafar SY. Poster: "Validation and quality assessment of the Kilimanjaro Cancer Registry." *ASCO Quality Care Symposium*. Phoenix, AZ; February 2016.[Poster]

2015

7. **Muiruri C**, Manyara R, Omari H; Who repackages, who doesn't and why? Antiretroviral drugs repackaging among patients in the Kilimanjaro Region of Tanzania. Presented at Annual Duke CFAR Retreat, September 10, 2015
8. Narcisa C, **Muiruri C**, Kulanga AK, Kapanda G, Lisasi E, Mimano LN, Bartlett JA; Enhancing the quality of clinical clerkships in a resource limited settings Medical School: Northern Tanzania; presented at CUGH conference March 26-28, 2015 Boston USA
9. Munishi MO, Nyindo P, Namwai T, Mapunda O, Mmbaga B, Israel I, Karia F, Bartlett J, Zullig LL, **Muiruri C**, Zafar SY. Poster: "Most common malignancies in a tertiary hospital cancer registry in Northern Tanzania: August 2013 –Feb 2015." *African Organisation for Research & Training in Cancer*. Marrakech, Morocco; November 2015.
10. Zullig LL, Schroeder K, Oresto M, Karia F, Afyusisye F, Nicolla J, Likonda B, **Muiruri C**, Bartlett J, Maro V, Zafar SY. Poster: "Building and evaluating cancer registry capacity in Mwanza and Moshi, Tanzania." *Duke Cancer Control Population Sciences Research Poster Fair*. Durham, NC; May 2015.

2014

11. **Muiruri C**, Kapanda G, Tibyampansha D, Ibrahim G, Kulanga AT, Lisasi ED, Weiner BJ, Bartlett JA. "eLearning at Medical School in sub Saharan Africa- Use of Technology Acceptance Model to evaluate implementation effectiveness" Presented at GETHealth Summit Dublin Ireland, November 13-14, 2014.
12. **Muiruri C**, Kapanda G, Tibyampansha D, Ibrahim G, Kulanga AT, Lisasi ED, Weiner BJ, Bartlett JA. *eLearning at Medical School in Sub Saharan Africa – Use of Technology Acceptance Model to evaluate implementation effectiveness*, August 4-6, 2014. Maputo, Mozambique

2013

13. Lisasi E, Kulanga A, **Muiruri C**, Killewo L, Fadhili N, Mimano L, Kapanda G, Tibyampansha D, Ibrahim G, Nyindo M, Mteta K, Kessi E, Ntabaye M, Bartlett J Welcome to the 21st Century: MEPI Impact at the Kilimanjaro Medical College"- MEPI Annual Symposium August 6-8 2013, Kampala Uganda.
14. Zullig LL, Vanderburg SB, **Muiruri C**, Bartlett J, Olola O, Zafar SY. Poster: "A qualitative assessment of sustainability of a cancer registry at a tertiary medical center in Kilimanjaro, Tanzania." *African Organisation for Research & Training in Cancer*. Durban, South Africa; November 2013.
15. Vanderburg S, Zullig LL, **Muiruri C**, Zafar SY, Oneko O, Bartlett JA. Oral: "Quality and sustainability in cancer registration: a systematic review of African cancer registries." *African Organisation for Research & Training in Cancer*. Durban, South Africa; November 2013.

16. Vanderburg S, Munishi MO, **Muiruri C**, Zullig LL, Zafar SY, Ntabaye M. Poster: "Rebuilding a cancer registry in northern Tanzania: a stepwise review of 2010-2013." *African Organisation for Research & Training in Cancer*. Durban, South Africa; November 2013.

2012

17. Zullig LL, Vanderburg S, Johnson D, Oneko O, **Muiruri C**, Ntabaye M, Abernethy AP, Bartlett J, Zafar SY. Abstract 6102: "Assessment of cancer registries (CR) in low and middle-income countries (LMCs)." *Journal of Clinical Oncology*. 30, 2012 Suppl:6102.
18. Killewo L, **Muiruri C**, Kulanga, AT, Mteta KA, Kessi EM, , Bartlett JA, Ntabaye MK. Technology assisted tools for Medical Education Workshop: *Linking Medical Education and Health Systems Strengthening* Cape Town, South Africa June 6-8, 2012.
19. Lisasi E¹, Kulanga A, **Muiruri C**, Killewo L, Fadhili N, Mimano L, Kapanda G, Tibyampansha D, Ibrahim G, Nyindo M, Mteta K, Kessi E, Ntabaye M, Bartlett J "Medical Schools Assessment in Sub Sahara Africa. What do students prefer? A case study at KCMU College" MEPI Annual Symposium August 2012, Addis Ababa, Ethiopia

2011

20. Kulanga, AT, **Muiruri C**, Mteta KA, Kessi EM, Killewo L, Bartlett JA, Ntabaye MK. Welcome to the 21st Century: MEPI Impact at the Kilimanjaro Christian Medical College. [Poster presentation] Global Health Conference. Montreal, Canada; November 2011.
21. Kulanga, AT, **Muiruri C**, Mteta KA, Kessi EM, Killewo L, Bartlett JA, Ntabaye MK. Welcome to the 21st Century: MEPI Impact at the Kilimanjaro Christian Medical College. [Poster presentation] Global Health Conference. Montreal, Canada; November 2011.
22. Abernethy A, **Muiruri C**, Bus A, Ntabaye M, Oneko O, Bartlett J. Creation of an international training and research program in HIV-associated malignancies.[Poster and Oral presentation] Congress of the European Association for Palliative Care. Lisbon, Portugal; May 2011
23. Vanderburg S, Zafar y, Zullig L, Johnson D, Oneko O, **Muiruri C**, Abernethy A, Ntabaye MK, Bartlett, JA.
Cancer registries in Africa: A local Issue of global significance, [Oral presentation and Abstract] African Organization for Research and Training in Cancer. Cairo, Egypt; November 2011

2009

24. **Muiruri C**, Kulanga A, Fostering a Sustainable Research environment in Low – Middle Income Countries (LMICs)" Vanderbilt University brown bag seminar, Nashville TN, June 23, 2009
25. **Muiruri C**, Kulanga A, Enhancing Research Administration in Low-and Middle Income Countries (LMICs)" Research Administrators Hub in East Africa (ARAA) The joint AITRP and ICOHRTA AIDS TB Network Meeting May 26-27, 2009 Bethesda MD
26. **Muiruri C**, Kulanga A, Expanding Research Support in Africa" Fogarty International Center- brown bag Seminar January 13, 2009, Bethesda, MD

TEACHING EXPERIENCE

Graduate Teaching Assistant

- 2016 Management of Human Resources in Health Organizations, HPM 720 (UNC- Chapel Hill,) Instructor -Bruce Fried
- 2015 Introduction to Health Policy and Management, HPM 600 (UNC- Chapel Hill) Instructor – Aimee McHale

Instructor

- 2015 - Advanced and Comprehensives Research and Training Program (MEPI- JF)
This modular based training focuses on hands on application of research and analytical methods for junior faculty. [18 trainees]

Co-Instructor

- 2009- 10 The East African Community, Demographics, Culture and Kiswahili Language for Global Health Practice – Independent Study for MSc-Global Health, Duke)
This course provided students with a foundation on the practical knowledge of working in East African and an introduction to Kiswahili language. Course was designed for graduate and advanced undergraduate students [4 students].

Curriculum Development

- 2015/16 Comprehensive Research and Training Program (CRTP)
Led the assessment of research and analytical methods curricular at Kilimanjaro Christian Medical University and Catholic University of Health and Allied Sciences and developed key competencies for junior faculty research training.
- 2014 Masters in Global Health Leadership (Online), UNC- Chapel Hill
Content analyst - Assembled Public Health Core Competencies training materials and advised the curriculum committee on global health.

Guest Lectures

- 2020 Qualitative and Mixed Research Methods
Course: Health Services Research (CRP 249)
Instructor: Hayden Bosworth
- 2020 HPM – 676
Instructor – Leah Zullig
- 2019 Cardiovascular disease prevention among people living with HIV.
Course: None Communicable Diseases[grad students] (Duke, GLHLTH 641)
Instructor: Gerald Bloomfield.
- 2017,2018 *Building and evaluating cancer registry capacity in Moshi and Mwanza, Tanzania*
Course: None Communicable Diseases[grad students] (Duke, GLHLTH 641)
Instructor: Gerald Bloomfield.
- 2017, 2018 *Building research management capacity in low- and middle-income countries*
Course: Program Management and Research Administration in Global Health] (Duke, GLHLTH 760)
Instructor: Jeffrey Moe

GRADUATE THESIS SUPERVISION

Master's thesis committee member

Mohamed Ba- MS Population Health Science

Role: Primary mentor

Alex Alexander MD (2021-2023): "Disclosure of HIV Status to Sexual Partners Among People with HIV in Singida Regional Referral Hospital of Tanzania- MS Population Health Science

Role: Primary mentor

Jessica Clark Ford (2012): "The Foundations for the Ethical Conduct of Placebo-Controlled Pediatric Trials: Kenya's Progress Exemplified" UNC- Chapel hill, NC.

Role: Thesis committee member

Margaret Murray MD. (2017-2018): "Association Between E-Learning System Usage and Medical Student Academic Performance at the Kilimanjaro Christian Medical University College in Moshi, Tanzania" Duke Global Health Institute, NC.

Role: Secondary mentor (content expert)

Global Junior Faculty Mentoring

Semvua, Seleman MPH (2017-2019): NIH training grants supplementary project - "Investigating effect of Patient-Initiated Repackaging of Antiretroviral Therapy (ART) on Adherence and Viral Suppression in Northern Tanzania." Kilimanjaro Christian Medical University College. Moshi, Tanzania.

Role: Primary mentor

Bahati Wajanga, MD, MSc, MMed. (2016-2022) MEPI-JF Fellow; Quality of Health Failure Care Attending Referral Hospitals in Mwanza, Tanzania

Role: Secondary mentor (analytical methods)

Carl Mhina MD. (2017-2019) Sociobehavioral Sciences fellow; Association of out of pocket expenditure and adherence to care for persons living with HIV in Kilimanjaro Region, Tanzania.

Role: Secondary mentor (analytical methods)

PROFESSIONAL ACTIVITIES

Editorial board: Global Health Journal (China);

Ad hoc academic journal reviewer: AIDS & Behavior; AIDS Care - Psychology, Health & Medicine - Vulnerable Children and Youth Studies; Bulletin of the World Health Organization

Service at Duke

2021- Member Library Council

2019 – Member, MSc-GH Admissions Committee (DGHI)

2019 – Member, Implementation Science CORE (DPHS)

2019 – Member, Global NCD colloquium (DGHI)