

## CURRICULUM VITAE

### General Information

**Name:** Jacob Kigo Kariuki  
**DOB:** 27<sup>th</sup> September 1982  
**Business address:** University of Pittsburgh  
School of Nursing  
421B Victoria Building  
3500 Victoria Street  
Pittsburgh, PA 15261  
**Email Address:** [kigok@pitt.edu](mailto:kigok@pitt.edu)  
**Office Number:** 412-624-9570  
**Fax:** 412-383-7293

### Education/ Professional Training:

March 2016	Ph.D., Nursing (Population Health and Health Policy), University of Massachusetts, Boston
Dec 2015	Postmasters Certificate, Adult Gerontology Nurse Practitioner, University of Massachusetts, Boston
Jan 2014 to Sept 2014	Research Trainee (Division of Medicine) Beth Israel Deaconess Medical Center, Boston, MA
Nov 2012 to Jan 2013	Clinical Research Trainee, Hebrew Senior Life, Roslindale, MA
Dec 26, 2013	Master of Science (Nursing), University of Massachusetts, Boston
August 2012	Clinical Observation program, Center for Nursing Excellence, Brigham and Women's Hospital, Boston, MA
June 2008	B.S. (Nursing), University of Eastern Africa, Baraton (Kenya)

### Licensure and Certification:

Dec 2016	Commonwealth of Pennsylvania Certified Nurse Practitioner (SP016967)
Oct 2016	Commonwealth of Pennsylvania Registered Nurse (RN689489)
Oct 2016	Commonwealth of Massachusetts Certified Nurse Practitioner (RN2277965)

May 2016	Adult-Gerontology Nurse Practitioner Board Certification by American Academy of Nurse Practitioners (AANP)
Sept 2015	Commission on Graduates of Foreign Nursing Schools (CGFNS) Visa Screen Certification
August 2012	American Heart Association Basic Life Support Certification
March 2012	Commonwealth of Massachusetts Registered Nurse (RN2277965)
Sept 2009	Kenya Registered Community Health Nurse (KRCHN 061631)

### **Academic/Professional Appointments:**

Aug 2016 to Present	Assistant Professor, University of Pittsburgh School of Nursing, PA.
Aug 2016 to Present	Reviewer, Journal of American Heart Association (JAHA).
Jan 2014 to Dec 2015	Pre-doctoral Fellow, American Heart Association.
Sept 2011 to May 2016	Research/Teaching Assistant, College of Nursing and Health Sciences, University of Massachusetts Boston, Boston, MA.
Sept 2015 to May 2016	Part-time Staff Nurse (RN) BearHill Nursing and Rehabilitation Center, Stoneham, MA.
Feb 2013 to Aug 2015	Part-time Staff Nurse (RN) PSA Healthcare, Brockton, MA.
Dec 2009-August 2011	Nurse tutor, Tumutumu Hospital School of Nursing, Kenya. Responsibilities: Teaching human anatomy and physiology, cardiovascular nursing, nursing research, and clinical supervision.
Oct 2008-Oct 2009	Nursing officer intern, Coast Provincial hospital, Kenya. Responsibilities: Primary nursing care to patients in the medical surgical unit, pediatric, maternity, and high dependency unit.

### **Grants/Research Support:**

Award Title:	American Heart Association Predoctoral Fellowship Award
Agency:	American Heart Association Founders Affiliate
Project title:	External Validation and Cost Effective Analysis of the Non-lab Framingham Cardiovascular Disease Risk Prediction Tool in the ARIC Dataset
Dates of Award:	01/01/2014 - 12/31/2015
Role:	Principal Investigator

Award Title: Seed Funding for Student/Postdoc International Research Project  
Agency: University of Massachusetts Boston Office of International and Transnational Affairs  
Project Title: Implementation of Global Risk Assessment as part of a Comprehensive Cardiovascular Risk Reduction and Treatment Program in Kenya  
Dates of Award: 02/24/2014 - 02/17/2015  
Role: Principal Investigator

Award Title: Brenda S. Cherry Award for a Doctoral Student  
Agency: Sigma Theta Tau-Theta Alpha Chapter 191 of Sigma Theta Tau International  
Project Title: Primary Care Clinicians' Awareness, Implementation, and Attitudes Regarding Global Risk Assessment: Kenya  
Dates of Award: 05/16/2013 - 05/15/2014  
Role: Principal Investigator

Award Title: Nursing Research Grant Award, (PI, E. Stuart-Shor)  
Agency: Sigma Theta Tau International  
Project Title: Kenya Heart and Sole the Afya Njema Project; Academic/Clinical Partnerships.  
Dates of Award: 5/2011 - 6/30/13  
Role: Research Assistant

Award Title: ANF Nursing Research Grant Award (PI, E. Stuart-Shor)  
Agency: American Nurses Foundation (ANF)  
Project Title: Global Cardiovascular Risk Assessment: Kenya Heart and Sole Program.  
Dates of Award: 9/1/2011 - 8/31/2012  
Role: Research Assistant

#### **Community Service Related to Professional Work:**

Sept 2011- Dec 2014     Coordinator, Roxbury (US) and Kenya Heart and Sole community projects.

#### **Symposiums and Workshops Related to Professional Work:**

- 2017:     Presenter: Bloomberg Emerging Nurse Scholar Forum, University of Toronto, Ontario.
- 2017:     Presenter: American Heart Association Epi/Lifestyle Meeting Portland, Oregon.
- 2016:     Presenter: American Heart Association Scientific Sessions in New Orleans, Louisiana.
- 2014:     Presenter: New England Science Symposium at Harvard Medical School, Boston, MA.
- 2013:     Presenter: American Heart Association Scientific Sessions in Dallas, Texas.

- 2012: Presenter: Preventive Cardiovascular Nurses Association in Las Vegas, Nevada.
- 2012 Presenter: New England Science Symposium at Harvard Medical School, Boston, MA.
- 2012 Presenter: Preventive Cardiovascular Nurses Annual Symposium in Washington DC.
- 2010 Presenter: Kenya National Nurses Association Annual Scientific Conference in Nairobi, Kenya.

### **Awards and Honors:**

- Feb 2017. Bloomberg Emerging Nurse Scholar by University of Toronto Lawrence S. Bloomberg Faculty of Nursing.
- Feb 2017. Epidemiology and Prevention Early Career Travel Grant by American Heart Council on Epidemiology and Prevention
- August 2016. The Martha Hill new investigator award finalist by the Council on Cardiovascular and Stroke Nursing Committee of the American Heart Association.
- July 2016. Cardiovascular disease prevention graduation award by the Preventive Cardiovascular Nurses Association (PCNA).
- May 2016. Graduate student speaker, UMass Boston graduate commencement ceremony.
- April 2016. Book award for academic excellence in Nursing by the PhD program committee, UMass Boston.
- January 2016. Lynch Foundation Nursing Fellowship Award.
- April 2014. Ruth and William Silen, M.D. Award (first prize in public health and epidemiology category) at the New England Science Symposium held at Harvard Medical School.
- May 2013. Brenda S. Cherry Dissertation Research Award, Sigma Theta Tau Honor Society Theta Alpha Chapter.
- May 2013. Induction, Sigma Theta Tau International, Theta Alpha Chapter Honor Society.
- January 2013. Lynch Foundation Nursing Fellowship Award.
- April 2012. Ruth and William Silen, M.D. Award (third prize for poster presentation) at the New England Science Symposium held at Harvard Medical School.

### **Membership to Professional Associations:**

- 2015 American Association of Nurse Practitioners
- 2013 American Heart Association
- 2013 Sigma Theta Tau International, Theta Alpha Chapter Honor Society

2013	Eastern Nursing Research Society
2010	Preventive Cardiovascular Nurses Association
2009	National Nurses Association of Kenya

## **Teaching**

May 2017 – Present: Didactic Instructor for NUR 1054: Nursing Care of the Older Adult

May 2017 – Aug 2017: Clinical Instructor for NUR 1054C: Nursing Care of the Older Adult

Aug 2016 – April 2017: Assistant Didactic Instructor for NUR 1054: Nursing Care of the Older Adult

Aug 2016 – April 2017: Assistant Clinical Instructor for NUR 1054C: Nursing Care of the Older Adult

## **Research and Scholarship**

### **A. Invited Presentations**

**Nov 2016:** The Validity of the Non-lab Based Framingham Algorithm in Atherosclerosis Risk in Communities (ARIC) Dataset. American Heart Association Scientific Sessions in New Orleans, Louisiana.

**May 2016:** Making Cardiovascular Disease Risk Assessment Quick and Easy: The Validity and Cost-effectiveness of the Non-Lab Based Framingham Algorithm. PhD Scholarly Dialogues, Office of Research, College of Nursing and Health Sciences, University of Massachusetts Boston.

**October 2014:** Addressing the role of nursing in the prevention of cardiovascular disease and stroke. Preventive Cardiovascular Nurses Association Global Nursing Leadership Forum (GNLF). New York.

**May 2014:** Methodological challenges in estimating trends and burden of cardiovascular disease in sub-Saharan Africa. International Academy of Life Sciences/Biomedical Sciences Exchange Program (IALS/BMEP) Student Conference. University of Massachusetts Boston.

**April 2014:** Lighting the way for the future: Making universities best for the world. TEDx UMass Boston.

**November 2013:** Global risk assessment of cardiovascular disease in Kenya's resource constrained primary care settings. PhD Scholarly Dialogues, Office of Research, College of Nursing and Health Sciences, University of Massachusetts Boston.

**April 2012:** Promoting nursing education and practice in developing countries: Open Access for Africa initiative. PhD Scholarly Dialogues, Office of Research, College of Nursing and Health Sciences, University of Massachusetts Boston (Presented with George Hart, former associate librarian Healey library).

## B. Innovative Projects

**September 2011:** Open Access for Africa library research guide (<http://umb.libguides.com/OAA>). A site is designed to break the barriers that hamper access to scholarly nursing and medical resources by providing links to free access journals and databases, eBooks, lectures and clinical skills videos.

## Bibliography

### Peer Reviewed Publications

1. **Kariuki JK**, Stuart-Shor EM, Leveille SG, Hayman LL. Methodological challenges in estimating trends and burden of cardiovascular disease in sub-Saharan Africa. *Cardiol Res Pract.* 2015; 2015:921021. doi: 10.1155/2015/921021 [doi].
2. **Kariuki, J. K.**, Stuart-Shor, E. M., Leveille, S. G., & Hayman, L. L. (2013). Evaluation of the performance of existing non-laboratory based cardiovascular risk assessment algorithms. *BMC Cardiovascular Disorders*, 13, 123-2261-13-123. doi:10.1186/1471-2261-13-123; 10.1186/1471-2261-13-123
3. **Kariuki JK**, Stuart-Shor EM, Hayman LL. The concept of risk as applied to cardiovascular disease. *J Cardiovasc Nurs.* 2013; 28(3):201-203. doi: 10.1097/JCN.0b013e31828c3158; 10.1097/JCN.0b013e31828c3158.
4. Muchira J, Stuart-Shor E, **Kariuki J**, Mukuna A, Gakage L, Ndigirigi I, Mutuma V, Karani A. Distribution and characteristics of risk factors for cardiovascular-metabolic disease in a rural Kenyan community. *International Journal of Africa Nursing Sciences.* 2015;3: 76-81 DOI: <http://dx.doi.org/10.1016/j.ijans.2015.09.002>

### Selected Abstracts

1. **Kariuki JK**, Stuart-Shor EM, Leveille SG, Gona P, J. Cromwell G. Validation of the Non-Laboratory Based Framingham Algorithm in the Atherosclerosis Risk in Communities Dataset. *Circulation.* 2016;134: A14620
2. **Kariuki, J. K.**, Stuart-Shor, E., Muchira, J., Laventure, L., Mitzman, K., Godfrey, M., Curan, B., Kimani, S., Kiarie, P. Comparative Evaluation of Three Non-Laboratory Based Risk Assessment Tools in Characterizing Absolute Risk for Cardiovascular Disease in a Kenyan Sample. New England Science Symposium poster session. Harvard Medical School. April 6, 2014.
3. **Kariuki, J. K.**, Stuart-Shor, E. M., Volkova, A., Golden, D., Halliday, J., Kimani, S., Muchira, J. & Zhang, L. "Implementing Global Risk Assessment in Resource-Constrained Primary Care Settings: Kenya." American Heart Association Scientific Sessions, Dallas, Texas.
4. **Kariuki, J. K.**, Stuart-Shor, E. M., Demita, J., Golden, D., Halliday, J., Kimani, S., Muchira, J. & Zhang, L. "Global Risk Assessment of Cardiovascular Disease in Resource Constrained Settings:

Kenya.” The 25<sup>th</sup> Annual Eastern Nurses Research Society Scientific Sessions, Boston, MA, April 19, 2013.

5. Walsh, J. H., **Kariuki, J. K.**, Stuart-Shor, E. M. “The Meaning of Cross-Cultural Service learning for Nursing Students: Kenya Heart and Sole (KHAS).” 25<sup>th</sup> Annual Eastern Nurses Research Society Scientific Sessions, Boston, MA, April 19, 2013.
6. **Kariuki, J.**, Kamau M, MacPherson A, McCarey J, DeMita J, Brown K, Sayer S, Ndigirigi I, Kiarie P, Stuart-Shor E, Karani A. *Hypertension Awareness, Treatment and Control in Kenya*. New England Science Symposium poster session. Harvard Medical School. April 1, 2012.
7. Stuart-Shor E, **Kariuki, J.**, Kamau M, MacPherson A, McCarey J, DeMita J, Brown K, Sayer S, Ndigirigi I, Kiarie P, Karani A. *Distribution of CV Risk Factors in a convenience sample of community dwelling Kenyans*. World Congress of Cardiology scientific sessions, oral presentation. UAE, Dubai. April 18-21<sup>st</sup> 2012.
8. Stuart-Shor E, **Kariuki, J.**, Chateaufneuf J, Kimani S, Karani A. *Global Risk Assessment in Resource Constrained Countries: Kenya Heart and Sole*. Preventive Cardiovascular Nurses Association 18<sup>th</sup> Annual Symposium. April 12-14<sup>th</sup> 2012.
9. DeMita J, Sayer S, Suyematsu M, **Kariuki, J.**, Kamau M, Stuart-Shor E. *Assessing Chest Pain: Results from Five Communities in Kenya*. *Kenya Heart and Sole Afya Njema Project*. Eastern Nursing Research Society 24<sup>th</sup> annual scientific sessions poster session. New Haven. March 28-30<sup>th</sup>.