

DUKE UNIVERSITY MEDICAL CENTER
CURRICULUM VITAE
for Permanent Record
and the Appointments and Promotions Committee

Date Prepared: Jan 30, 2017

Name: Gerald S. Bloomfield, MD, MPH

Primary academic appointment: Department of Medicine

Primary academic department: Division of Cardiology

Secondary appointment: Global Health Institute

Present academic rank and title: Assistant Professor of Medicine and Global Health

Date and rank of first Duke Faculty appt: 2011, Assistant Professor

Medical Licensure

1. North Carolina
2. Government of Kenya

Specialty Certification

American Board of Medicine, Internal Medicine	April 1, 2005
American Board of Medicine, Cardiovascular Medicine	November 1, 2011
American Society of Echocardiography	July 1, 2012
Fellow of the American Society of Echocardiography (FASE)	July 1, 2013
Fellow of the American College of Cardiology (FACC)	March 1, 2014
Fellow of the American Heart Association (FAHA)	October 1, 2014

Citizen of: USA

Education

	<u>Institution</u>	<u>Date</u>	<u>Degree</u>
High School	Midwood High School	1993	Diploma
College	Princeton University	1997	A.B. Cum Laude
Graduate	Johns Hopkins School of Public Health	2001	M.P.H.
Professional	Johns Hopkins School of Medicine	2002	M.D.

Professional Training and Academic Career

<u>Institution</u>	<u>Position/Title</u>	<u>Dates</u>
Johns Hopkins Hospital	Intern, Department of Medicine	2002-2003
Johns Hopkins Hospital	Resident, Department of Medicine	2003-2005
Johns Hopkins Hospital	Hospitalist, Department of Medicine	2005
Kijabe Medical Center	Interim Director of Intensive Care Unit, Kenya	2006
Johns Hopkins University	Assistant Chief of Service, Department of Medicine	2006-2007
Duke University	Clinical Fellow, Division of Cardiology	2007-2010
Duke University	Global Health Fellow, Hubert-Yeargan Center for Global Health	2009-2010

Moi University	Co-Field Director of Research, USAID AMPATH Cardiovascular and Pulmonary Disease Center of Excellence, School of Medicine, College of Health Sciences, Kenya	2009-2010
Moi University	Visiting Lecturer, Department of Medicine, School of Medicine, College of Health Sciences	2009-
Brown University	Fogarty International Clinical Research Fellow in Eldoret, Kenya	2009-2010
Duke University	Cardiovascular Research Fellow, Duke Clinical Research Institute	2010-2011
Duke University	Advanced Imaging Fellow, Duke Echocardiography Laboratories, Duke University Medical Center,	2010-2011
Duke University	Assistant Professor, Department of Medicine, Division of Cardiology	2011-
Duke University	Assistant Research Professor, Duke Global Health Institute	2011-

Publications:

Refereed journals

** author is my mentee

1. Zaas D, **Bloomfield G**. Cases from the Osler Medical Service: A 73 year old man with shortness of breath. *American Journal of Medicine*. 2003;114(5):417-19.
2. **Bloomfield G**, Dunbar K. It's all connected. *American Journal of Medicine*. 2006;119(8):654-6
3. **Bloomfield GS**, Huffman MD. Global chronic disease research training for fellows: perspectives, challenges, and opportunities. *Circulation*. 2010;121(11):1365-70. PMID: 20308627. PMC 2857414.
4. **Bloomfield GS**, Kimaiyo S, Carter EJ, Binanay C, Corey GR, Einterz RM, Tierney WM, Velazquez EJ. Chronic non-communicable cardiovascular and pulmonary disease in sub-Saharan Africa: an academic model for countering the epidemic. *American Heart Journal*. 2011;161(5):842-7. PMID: 21570512. PMC 3093664.
5. **Bloomfield GS**, Hogan JW, Keter A, Sang E, Carter EJ, Velazquez EJ, Kimaiyo S. Hypertension and obesity as cardiovascular risk factors among HIV seropositive patients in Western Kenya. *PLoS ONE*. 2011; 6(7):e22288. PMID: 21779407. PMC 3136516.
6. Kishore SP, Siegel KR, Ahmad A, Aitsi-Selmi AA, Ali ML, Baker P, Basu S, Bitton A, **Bloomfield GS**, Bukhman G, Emery E, Feigl AB, Grepin K, Huffman MD, Kajana K, Khandelwal S, Kolappa K, Liu C, Lokhandwala N, Marwah V, Mwatsama M, Novak N, Nundy S, Park PH, Perez CP, Price MR, Rapkin N, Rice H, Seligman B, Shah S, da Silva J, Sridhar D, Stuckler D, Vedanthan R, Zaman J and The Young Professionals' Chronic Disease Network. Youth Manifesto on Non-Communicable Diseases. *Global Heart*. 2011; 6(4):201-210.
7. **Bloomfield GS**, Gillam LD, Hahn RT, Kapadia S, Leipsic J, Lerakis S, Tuzcu M, Douglas P. A practical guide to multi-modality imaging of transcatheter aortic valve replacement (TAVR). *Journal of the American College of Cardiology Imaging*. 2012 Apr;5:441-55. PMID: 22498335.
8. **Bloomfield GS**, Lagat DK, Akwanalo OC, Carter EJ, Lugogo N, Vedanthan R, Velazquez EJ, Kimaiyo S, Sherman CB. Waiting to inhale: an exploratory review of conditions that may predispose to pulmonary hypertension and right heart failure in persons exposed to household air pollution in low- and middle-income countries. *Global Heart*. 2012; 7(3):249-259. PMID: 23687634. PMC 3653331.
9. McCracken JP, Wellenius GA, **Bloomfield GS**, Brook RD, Tolunay HE, Dockery DW, Rabadan-Diehl C, Checkley W, Rajagopalan S. Household Air Pollution from Solid Fuel Use: A Review of Evidence for Links to Cardiovascular Disease. *Global Heart*. 2012; 7(3):223-234.
10. Lauer M, Baumgartner J, **Bloomfield GS**, Fine L, Tolunay E. Household Air Pollution and Cardiovascular Disease: Identifying Best Directions for Research. *Global Heart*. 2012; 7(3):271-274.
11. Douglas PS, Waugh R, **Bloomfield GS**, Dunn G, Davis L, Hahn RT, Pibarot P, Stewart WJ, Weissman NJ, Hueter I, Siegel R, Lerakis S, Miller DC, Leon MB. Implementation of Echocardiography Core Laboratory Best Practices: A Case Study of the PARTNER I Trial. *Journal of the American Society of Echocardiography*. 2013 Apr;26(4):348-58. PMID: 23465887.

12. **Bloomfield GS**, Barasa FA, Doll JA, Velazquez EJ. Heart failure in Sub-Saharan Africa. *Curr Cardiol Reviews*. 2013; 9(2):157-173. PMID: 23597299. PMC 3682399.
13. Pastakia S, Ali SM, Kamano J, Akwanalo CO, Ndege SK, Buckwalter V, Vedanthan R, **Bloomfield GS**. Screening for diabetes and hypertension in a rural low-income setting in western Kenya: A comparison of home-based and community-based strategies. *Globalization and Health*. 2013; 9(21) PMID: 23680083. PMC 3662603.
14. **Bloomfield GS**, Mwangi A, Chege P, Simiyu CJ, Aswa DF, Odhiambo D, Obala AA, Ayuo P, Khwa-Otsyula BO. Multiple cardiovascular risk factors in Kenya: evidence from a Health and Demographic Surveillance System using the WHO STEPwise approach to chronic disease risk factor surveillance. *Heart*. 2013;99(18):1323-9. PMID: 23872588. PMC 3898037.
15. **Bloomfield GS**, Yi SS, Astor BC, Kramer H, Shea S, Shlipak MG, Post WS. Blood pressure and chronic kidney disease progression in a multi-racial cohort: the Multi-Ethnic Study of Atherosclerosis. *J Human Hypertens*, 2013 Jul;27(7):421-6. PMID: 23407373. PMC 3830562
16. Huffman MD, Baldrige A, **Bloomfield GS**, Colantonio L, Prabhakaran P, Ajay VS, Suh S, Lewison G, Prabhakaran D. Global cardiovascular research output, citations and collaborations: An ecologic, time-trend, bibliometric analysis (1999-2008). *PLOS ONE*. 2013; 8(12):e83440. PMID: 24391769. PMC 3877050.
17. Baldrige AS, Huffman MD, **Bloomfield GS**, Prabhakaran D. Footprint and Imprint: An Ecologic Time-Trend Analysis of Cardiovascular Publications in General and Specialty Journals. *Global Heart*. 2013. PMID: 25667098.
18. Lagat DK, DeLong AK, Wellenius GA, Carter EJ, **Bloomfield GS**, Velazquez EJ, Hogan J, Kimaiyo S, Sherman CB. Factors Associated with Isolated Right Heart Failure in Women: A Pilot Study from Western Kenya. *Global Heart*. 2014 June, vol 9 Iss 2 pp 249-54. PMID: 25667096.
19. Hertz JT, Reardon JM, Rodrigues CG, de Andrade L, Limkakeng AT, **Bloomfield GS**, Lynch CA. Acute Myocardial Infarction in Sub-Saharan Africa: The Need for Data. *PLOS One*. 2014;9(5):e96688. PMID: 24816222. PMC 4016044.
20. Vedanthan R, Kamano JH, Naanyu V, DeLong AK, Were MC, Finkelstein EA, Menya D, Akwanalo CO, **Bloomfield GS**, Binanay CA, Velazquez EJ, Hogan JW, Horowitz CR, Inui TS, Kimaiyo S, Fuster V. Optimizing Linkage and Retention to Hypertension Care in Rural Kenya (LARK Hypertension Study): study protocol for a randomized controlled trial. *Trials*. 2014 Apr;15(1):143. PMID: 24767476. PMC 4113229.
21. Kim S-J, Samad Z, **Bloomfield GS**, Douglas P. A Critical Review of Hemodynamic Changes and Left Ventricular Remodeling Following Surgical Aortic Valve Replacement and Percutaneous Aortic Valve Replacement. *American Heart Journal* 2014. Aug; 168(2):150-159.e7. PMID: 25066553.
22. **Bloomfield GS**, Hogan JW, Keter A, Holland TL, Sang E, Kimaiyo S, Velazquez EJ. Blood Pressure Level Impacts Risk of Death Among HIV Seropositive Adults in Kenya: A Retrospective Analysis of Electronic Health Records. *BMC Infectious Diseases*. 2014 May;14(1):284. doi: 10.1186/1471-2334-14-284. PMID: 24886474. PMC 4046023.
23. **Bloomfield GS**, Vedanthan R, Vasudevan L, Kithei A**, Were M, Velazquez EJ. Mobile Health for Non-Communicable Diseases in Sub-Saharan Africa: A Systematic Review of the Literature and Strategic Framework for Research. *Globalization and Health*. 2014 Jun;10:49. doi: 10.1186/1744-8603-10-49. PMID: 24927745. PMC 4064106.
24. **Bloomfield GS**, Khazanie P, Morris A, Rabadan-Diehl C, Benjamin LA, Murdoch D, Radcliff VS, Velazquez EJ, Hicks C. HIV and Noncommunicable Cardiovascular and Pulmonary Diseases in Low- and Middle-Income Countries in the ART Era: What We Know and Best Directions for Future Research. *J Acquir Immune Defic Syndr*. 2014 Sept. vol 67 Suppl 1 pp. S40-53. PMID: 25117960. PMC 4133739.
25. Colantonio LD, Baldrige A, Huffman MD, **Bloomfield GS**, Prabhakaran D. Cardiovascular research publications from Latin America between 1999 and 2008. A Bibliometric study. *Arquivos BrSILEIROS DE Cardiologia. Arq Bras Cardiol*. 2015 Jan;104(1):5-14. PMID: 25714407.

26. **Bloomfield GS**, Wang TY, Boulware E, Califf RM, Hernandez AF, Velazquez EJ, Peterson ED, Li JS. Implementation of Management Strategies for Diabetes and Hypertension: From Local to Global Health in Cardiovascular Diseases. *Glob Heart*. 2015 Mar;10(1);31-8. PMID: 25754564.
27. Burroughs Pena MS, **Bloomfield, GS**. Cardiovascular Disease Research and the Development Agenda in Low-and Middle-Income Countries. *Glob Heart*. 2015 Mar;10(1);71-3. PMID: 25754569.
28. **Bloomfield GS**, Baldrige A, Agarwal A**, Huffman MD, Colantonio LD, Bahiru E, Ajay VS, Prabhakaran P, Lewison G, Prabhakaran D. Disparities in Cardiovascular Research Output and Citations From 52 African Countries: A time-Trend, Bibliometric Analysis (1999 – 2008). *J Am Heart Assoc*, 2015 Apr 2;4(4). PMID: 25836056.
29. **Bloomfield GS**, Alenezi F, Barasa FA, Lumsden R**, Mayosi BM, Velazquez EJ. Human Immunodeficiency Virus and Heart Failure in Low-and Middle-Income Countries. *JACC Heart Failure*. Aug 2015;3(8):579-590, doi: 10.1016/j.jchf.2015.05.003.
30. Park PH**, Wambui CK, Atieno S, Egger JR, Misoi L, Nyabundi JS, Pastakia SD, **Bloomfield GS**, Kamano JH. Improving Diabetes Management and Cardiovascular Risk Factors Through Peer-Led Self- management Support Groups in Western Kenya. *Diabetes Care*. Aug 2015;38:e 110-111, PMID: 26207058. PMC 4512136.
31. Jaacks LM, Ali MK, Bartlett J, **Bloomfield GS**, Checkley W, Gaziano TA, Heimbürger DC, Kishore SP, Kohler, RE, Lipska KJ, Manders O, Ngaruiya C, Peck R, Pena MB, Watkins DA, Siegel KR, Narayan KM. Global Noncommunicable Disease Research: Opportunities and Challenges. *Ann Intern Med*. Aug 2015. PMID: 26301624.
32. **Bloomfield GS**, Temu TM**, Akwanalo CO, Chen PS, Emonyi W, Heckbert SR, Koech MM, Manji I, Shen C, Vatta M, Velazquez EJ, Wessel J, Kimaiyo S, Inui TS. Genetic mutations in African patients with Atrial fibrillation: Rationale and design of the Study of Genetics of Atrial Fibrillation in an African Population (SIGNAL). *Am Heart J*. Sept 2015;170(3):455-465. PMID: 26385028.
33. Temu TM**, Kirui N, Wanjalla C, Ndungu AM, Kamano JH, Inui TS, **Bloomfield GS**. Cardiovascular health knowledge and preventive practices in people living with HIV in Kenya. *BMC Infect Dis*. Oct 2015;15:421. PMID: 26466584.
34. Binanay CA, Akwanalo CO, Aruasa W, Barasa FA, Corey GR, Crowe A, Esamai F, Einterz R, Foster MC, Gardner A, Kibosia J, Kimaiyo S, Koech M, Korir B, Lawrence JE, Lukas S, Manji I, Maritim P, Ogaro F, Park P, Pastakia SD, Sugut W, Vedanthan R, Yanoh R, Velazquez EJ, **Bloomfield GS**. Building Sustainable Capacity for Cardiovascular Care at a Public Hospital in Western Kenya. *J Am Coll Cardiol* 2015;8:66:2550-2560. PMID: 26653630.
35. Park PH**, Chege P, Hagedorn IC, Kwena A, **Bloomfield GS**, Pastakia SD. Assessing the Accuracy of a Point-of-care Analyzer for Hyperlipidemia in Western Kenya. *Trop Med Int Health* 2015 [epub ahead of print], <http://dx.doi.org/10.1111/tmi.12653>
36. Vedanthan R, Kamano JH, **Bloomfield GS**, Manji I, Pastakia S, Kimaiyo SN. Engaging the Entire Care Cascade in Western Kenya: A Model to Achieve the Cardiovascular Disease Secondary Prevention Roadmap Goals. *Glob Heart*, Dec 2015;10(4):313-7. PMC 4691279.
37. Ng'eno TK**, Koech MM, Foster MC, Velazquez EJ, **Bloomfield GS**. Truncus arteriosus in a 43 year old male: a case report. *East African Medical Journal*. 2015;91(2):1–5.
38. Lumsden RH**, **Bloomfield GS**. The Causes of HIV-Associated Cardiomyopathy: A Tale of Two Worlds. *BioMed Res Intl*, Jan 2016, Vol 2016, ID 8196560, PMCID: 4739004.
39. Naanyu V, Vedanthan R, Kamano JH, Rotich JK, Lagat KK, Kiptoo P, Kofler C, Mutai KK, **Bloomfield GS**, Menya D, Kimaiyo S, Fuster V, Horowitz CR, Inui TS. Barriers Influencing Linkage to Hypertension Care in Kenya: Qualitative Analysis from the LARK Hypertension Study. *J Gen Intern Med*. Mar 2016. PMCID: 4762819.
40. **Bloomfield GS**, DeLong AK, Akwanalo CO, Hogan JW, Carter EJ, Aswa DF, Binanay C, Koech M, Kimaiyo S, Velazquez EJ. Markers of Atherosclerosis, Clinical Characteristics, and Treatment Patterns in Heart Failure: A case-Control Study of Middle-Aged Adult Heart Failure Patients in Rural Kenya. *Glob Heart*, Mar 2016;11(1):97-107. PMCID: 4843836.

41. Irazola VE, Gutierrez L, **Bloomfield G**, Carrillo-Larco RM, Dorairaj P, Gaziano T, Levitt NS, Miranda JJ, Ortiz AB, Steyn K, Wu Y, Xavier D, Yan LL, He J, Rubinstein A. Hypertension Prevalence, Awareness, Treatment, and Control in Selected LMIC Communities: Results From the NHLBI/UHG Network of Centers of Excellence for Chronic Diseases. *Glob Heart*, Mar 2016;11(1):47-59. PMID: 4843831.
42. Gaziano TA, Abrahams-Gessel S, Alam S, Alam D, Ali MK, **Bloomfield GS**, Carrillo-Larco RM, Dorairaj P, Gutierrez L, Irazola V, Levitt NS, Miranda JJ, Bernabe-Ortiz A, Pandya A, Rubinstein A, Steyn K, Xavier D, Yan LL. Comparison of Non-blood Based and Blood-Based Total CV Risk Scores in Global Populations. *Global Heart*, Mar 2016;11(1):37-46. PMID: 27102021.
43. **Bloomfield GS**, Xavier D, Belis D, Alam D, Davis P, Dorairaj P, Ghannem H, Gilman RH, Kamath D, Kimaiyo S, Levitt N, Martinez H, Mejicano G, Miranda JJ, Koehlmoos TP, Rabadan-Diehl C, Ramirez-Zea C, Rubinstein A, Sacksteder KA, Steyn K, Tandon N, Vedanthan R, Wolbach T, Wu Y, Yan LL. Training and Capacity Building in LMIC for Research in Heart and Lung Diseases: The NHLBI-UnitedHealth Global Health Centers of Excellence Program. *Global Heart*, Mar 2016;11(1):17-25. PMID: 4876661.
44. Engelgau MM, Sampson UK, Rabadan-Diehl C, Smith R, Miranda J, **Bloomfield GS**, Belis D, Narayan KM; National Health, Lung, and Blood Institute-United Health Global Health Centers of Excellence Collaborators. Tackling NCD in LMIC: Achievements and Lessons Learned From the NHLBI-United Health Global Health Centers of Excellence Program. *Glob Heart*, Mar 2016;11(1):5-15. PMID: 4843818.
45. **Bloomfield GS**, Narayan KM, Sampson UK, Narula J. What Defines a Valuable Investment in Global Health Research? *Glob Heart*, Mar 2016;11(1):1-3. PMID: 27102017.
46. Kiyeng JC, Siika A, Koech C, **Bloomfield GS**. Definite hereditary hemorrhagic telangiectasia in a 60-year-old black Kenyan woman: a case report. *J of Med Case Rpts*, May 2016, 10:126. PMID: 4880959.
47. Nduka CU, Stranges S, **Bloomfield GS**, Kimani PK, Achinge G, Malu AO, Uthman OA. A plausible causal link between antiretroviral therapy and increased blood pressure in a sub-Saharan Africa setting: a propensity score-matched analysis. *Int J Card*. June 27, 2016. PMID: 27390962.
48. Lumsden RH**, Akwanalo C, Chepkwony S, Kithei A, Omollo V, Holland TL, **Bloomfield GS**, O'Meara WP. Clinical and geographic patterns of rheumatic heart disease in outpatients attending cardiology clinic in western Kenya. *Int J Cardiol*. Aug 4, 2016; 223:228-235. PMID: 27541662.
49. Woldu B**, **Bloomfield GS**. Rheumatic Heart Disease in the Twenty-First Century. *Curr Cardiol Rep*, Oct 2016;18(10):96, PMID: 27566329.
50. Owolabi M, Olowoyo P, Miranda JJ, Akinyemi R, Feng W, Yaria J, Makanjuola T, Yara S, Kaczorowski J, Thabane L, Van Olmen J, Mathur P, Chow C, Kengne A, Saulson R, Thrift AG, Joshi R, **Bloomfield GS**, Gebregziabher M, Parker G, Agyemang C, Amedeo Modesti P, Norris S, Lgunjimi L, Farombi T, Sylvia Melikam E, Uvere E, Salako B, Ovbiagele B, COUNCIL Initiative. Gaps in Hypertension Guidelines in Low- and Middle-Income Versus High-Income Countries: A Systematic Review. *Hypertension*, Oct, 2016. PMID: 27698059.
51. Feinstein MJ, Bogorodskaya M, **Bloomfield GS**, Vedanthan R, Siedner MJ, Kwan GF, Longenecker CT. Cardiovascular Complications of HIV in Endemic Countries. *Curr Cardiol Rep*. Nov 2016;18(11):113. PMID: 27730474.
52. **Bloomfield GS**, Leung C**. Cardiac Disease Associated with Human Immunodeficiency Virus Infection. *Cardiol Clin*. Feb 2017;35(1), PMID: 27886790.
53. Barasa FA, Vedanthan R, Pastakia SD, Crowe SJ, Aruasa W, Sugut WK, White R, Ogola ES, **Bloomfield GS**, Velazquez EJ. Approaches to Sustainable Capacity Building for Cardiovascular Disease Care in Kenya. *Cardiol Clin*. Feb 2017;35(1), PMID: 27886785.

Chapters in books

1. **Bloomfield G**, Tom S, Chandra-Strobos N. 2004. Intra-Aortic Balloon Pumps, Transvenous Pacers and Pulmonary Artery Catheters. In Piccini JP and Nilsson KR, *The Osler Medical Handbook*, 2nd Edition (e-chapter). Philadelphia: Mosby.

2. **Bloomfield GS**, Samad Z, Douglas PS. 2012. Preprocedural imaging of the TAVR candidate. Aortic annular geometry and sizing: Echocardiography. In Min JK, Berman DS, Leipsic J (eds.), *Multimodality Imaging for Transcatheter Aortic Valve*. Springer Clinical Medicine 2013.
3. **Bloomfield GS**, Douglas PS. The Practical Use of Multimodality Imaging for Transcatheter Aortic Valve Replacement (TAVR). In *UpToDate*, Basow, DS (Ed), *UpToDate*, Waltham, MA, 2012.
4. Leung C, **Bloomfield GS**. Cardiovascular Disease in HIV Infection. *Tandon's Textbook of Cardiology, In Progress*

Books

1. Wiener C, **Bloomfield G**, Brown C, Spivak A, Schiffer J, Co-Eds., *Harrison's Principles of Internal Medicine, Self-Assessment and Board Review 17th Edition*. United States: McGraw-Hill Companies, 2008.

Non-Authored publications

1. Smith R*, Rabadan-Diehl C*, Cravioto A*, Wall-Medrano A*, Chapman S, De Pinho K, Enkin M, Gillies J, Guerra JA, Gupta R, Gusi N, Lijing Y, Marcet B, Miranda JJ, Rubinstein A, Sevick MA, Upshur R. [*Main contributors] Prevention and health promotion. In: Jadad AR, Cabrera A, Martos F, Smith R, Lyons RF. *When people live with multiple chronic diseases: a collaborative approach to an emerging global challenge*. Granada: Andalusian School of Public Health; 2010. Available at <http://www.opimec.org/equipos/when-people-live-with-multiple-chronic-diseases/>
2. PLoS One Editors. PLOS ONE 2014 Reviewer Thank You. PLoS ONE 10(2): e0121093. Doi:10.1371/journal.pone.0121093.May 2015.
3. Peiris D, Thompson SR, Beratarrechea A, Cardenas MK, Diez-Canseco F, Goudge J, Gyamfi J, Kamano JH, Irazola V, Johnson C, Kengne AP, Keat NK, Miranda JJ, Mohan S, Mukasa B, Ng E, Nieuwlaat R, Ogedegbe O, Ovbiagele B, Plange-Rhule J, Praveen D, Salam A, Thorogood M, Thrift AG, Vedanthan R, Waddy SP, Webster J, Webster R, Yeates K, Yusoff K, The GACD Hypertension Research Programme, Writing Group and Hypertension Research Programme members, Behavior change strategies for reducing blood pressure-related disease burden: findings from a global implementation research programme. *Implementation Sci*. Nov 2015, 10:158.

Selected abstracts

1. **Bloomfield GS**, Hogan JW, Keter A, Sang E, Velazquez EJ, Kimaiyo S, Carter EJ. The Prevalence of Hypertension and Obesity among HIV Seropositive Patients in Western Kenya. Fogarty International Clinical Research Scholars and Fellows & International Doris Duke Research Program Alumni Symposium. September 2010. Potomac, MD, USA.
2. **Bloomfield GS**, Hogan JW, Keter A, Sang E, Velazquez EJ, Kimaiyo S, Carter EJ. The Prevalence of Hypertension and Obesity among HIV Seropositive Patients in Western Kenya (P04.02). Consortium of Universities for Global Health (CUGH) 2010 Annual Meeting. September 2010. Seattle, Washington, USA.
3. **Bloomfield GS**, Hogan JW, Keter A, Sang E, Carter EJ, Velazquez EJ, Kimaiyo S. Hypertension among HIV Seropositive Patients in Western Kenya. The 10th Pan-African Society of Cardiology Conference and the Uganda Heart Association. *Cardiovascular Journal of Africa* May/June 2011, Suppl. 22(3): S3-4.
4. Huffman MD, **Bloomfield GS**, Colantonio LD, Prabhakaran O, Ajay VS, Lewison G, Prabhakaran D. Cardiovascular Research Output and Average Citation Index of Argentina, India and South Africa: A Bibliometric Approach. World Congress of Cardiology. April 2012. Dubai, UAE.
5. **Bloomfield GS**, Hogan JW, Keter A, Holland TL, Osanya J, Sang E, Kimaiyo S, Velazquez EJ. High blood pressure increases mortality among HIV seropositive individuals without AIDS in western Kenya. American Heart Association Scientific Sessions 2012. Los Angeles, CA, USA.

6. Pastakia S, Ali SM, Kamano J, Akwanalo CO, Ndege SK, Buckwalter V, Vedanthan R, **Bloomfield GS**. Screening for diabetes and hypertension in a rural low-income setting in western Kenya: A comparison of home-based and community-based strategies. Consortium of Universities for Global Health Conference 2013. Washington, DC, USA.
7. Park P**, Wambui CK, Atieno S, Pastakia SD, **Bloomfield GS**, Kamano JH, Nyabundi JS. Improving diabetes management and cardiovascular risk factors through diabetes self-management support groups in Kenya. World Diabetes Congress 2013. Melbourne, Australia.
8. **Bloomfield GS**, Hogan JW, Keter A, Holland TL, Sang E, Kimaiyo S, Velazquez EJ. High Blood Pressure in African HIV+ Patients Increases Long-Term Mortality. American Heart Association Epidemiology and Prevention/Nutrition Physical Activity and Metabolism Scientific Sessions 2014. San Francisco, CA. *Circulation*. 2014;129:AP359.
9. **Bloomfield GS**, Hogan JW, Keter A, Holland TL, Sang E, Kimaiyo S, Velazquez EJ. High Blood Pressure in African HIV+ Patients Increases Long-Term Mortality. NHLBI/UnitedHealth Centers of Excellence Steering Committee Meeting 2014. Bethesda, MD.
10. Barasa F, Kimaiyo S, Delong A, **Bloomfield GS**, Foster M, Binanay C, Lawrence J, Koech M, Hogan J, Velazquez EJ. Task Shifting Diagnosis of Common Cardiac Disorders Using Handheld Echocardiography at a Referral Hospital in Western Kenya. NHLBI/UnitedHealth Centers of Excellence Steering Committee Meeting 2014. Bethesda, MD.
11. **Bloomfield GS**, Agarwal A**, Menya D, Vedanthan R, Foster MC, Ogaro F, Sherman CB, Wellenius GA, Kimaiyo S, Velazquez EJ. Traditional Cookstove Replacement and Resultant Health Effects in Kenya: Baseline Results of A Pilot Echocardiographic Study. NHLBI/UnitedHealth Centers of Excellence Steering Committee Meeting 2014. Bethesda, MD.
12. **Bloomfield GS**, Temu TM**, Vatta M, Shen C, Wessel J, Akwanalo CO, Heckbert SR, Psaty BM, Chen P-S, Emonyi W, Koech MM, Manji I, Velazquez EJ, Kimaiyo S, Inui TS. Rationale and Design of the Study of GeNetics of Atrial FibrilLation in an African Population (SIGNAL). The Fourth H3Africa Consortium Meeting. May 30 and June 2, 2014. Cape Town, South Africa.
13. Akwanalo CO, Kimaiyo S, Delong AK, Hogan JW, Kamano J, Pastakia SD, Vedanthan R, Binanay CB, **Bloomfield GS**, Velazquez EJ.. The Prevalence of Undiagnosed Hypertension, Diabetes and Target Organ Damage in a Rural Community in Western Kenya. *Eur Heart J*, 35, 405–405.
14. **Bloomfield GS**, Temu TM**, Vatta M, Shen C, Wessel J, Akwanalo CO, Heckbert SR, Psaty BM, Chen P-S, Emonyi W, Koech MM, Manji I, Velazquez EJ, Kimaiyo S, Inui T. Rationale and Design of the Study of GeNetics of Atrial FibrilLation in an African Population (SIGNAL). 32nd Annual Kenya Cardiac Society Scientific Conference. July 29th to August 2nd, 2014. Mombasa, Kenya.
15. **Bloomfield GS**, Agarwal A**, Menya D, Vedanthan R, Foster MC, Ogaro F, Sherman CB, Wellenius GA, Kimaiyo S, Velazquez EJ. Traditional Cookstove Replacement and Resultant Health Effects in Kenya: Baseline Results of A Pilot Echocardiographic Study. 32nd Annual Kenya Cardiac Society Scientific Conference. July 29th to August 2nd, 2014. Mombasa, Kenya.
16. Agarwal A**, **Bloomfield GS**, Menya D, Vedanthan R, Foster MC, Ogaro F, Sherman CB, Wellenius GA, Kimaiyo S, Velazquez EJ. Traditional Cookstove Replacement and Resultant Health Effects in Kenya: Baseline Results of A Pilot Echocardiographic Study. US Investigators' Network Symposium on Global Non-communicable Diseases Research. Sept 8, 2014, Atlanta, GA.
17. Agarwal A**, **Bloomfield GS**, Menya D, Vedanthan R, Foster MC, Ogaro F, Sherman CB, Wellenius GA, Kimaiyo S, Velazquez EJ. Traditional Cookstove Replacement and Resultant Health Effects in Kenya: Baseline Results of A Pilot Echocardiographic Study. Duke School of Medicine Clinical Science Day. Nov 8, 2014, Durham, NC.
18. Alenezi F, Okeke NL, Khazanie P, **Bloomfield GS**, Dunning A, Hofmann P, Clement ME, Shah SH, Naggie S, Velazquez EJ. Increased Prevalence of Left Ventricular Hypertrophy in Persons Living with HIV. Amer Soc Echocardiography. June 12-16, 2015, Boston, MA.
19. Kirwa K, Agarwal A**, **Bloomfield GS**, Alenezi F, Eliot M, Carter EJ, et al. Household air pollution from burning wood is associated with altered cardiac hemodynamics and function among women in western Kenya: Results from the Kenya HAP ECHO Study. International Society for Environmental Epidemiology August 2015. Sao Paulo, Brazil.

20. Okeke NL, Alenezi F, **Bloomfield GS**, Dunning A, Khazanie P, Clement ME, Shah SH, Naggie S, Velazquez EJ. Myocardial Strain Abnormalities Detected by Speckle-Tracking Echocardiography in Persons with HIV. IAS 2015: 8th IAS Conference on HIV Pathogenesis Treatment and Prevention, July 2015, Vancouver, Canada.
21. Lumsden RH**, Akwanalo OC, O'Meara WP, **Bloomfield GS**. Geographic and demographic patterns of rheumatic heart disease in western Kenya. American Heart Association Epidemiology/Lifestyle Scientific Sessions March 2016. Phoenix, AZ.
22. Leung C**, Dong R, Klptoo P, Matelong W, Matini E, Andama B, Edelman D, Horowitz CR, Manyara S, Pastakia S, Valente T, Fuster V, Kamano J, **Bloomfield GS**, Vedanthan R. Bridging Income Generation with Group Integrated Care (BIGPIC): Utilizing Human-Centered Design to Develop a User-Centered Healthcare Model in Western. Doris Duke International Clinical Research Fellowship Symposium. Minneapolis MN June 2016.
23. Lumsden R, Akwanalo C, O'Meara WP, **Bloomfield GS**. Geographic and demographic patterns of rheumatic heart disease in Western Kenya. World Congress of Cardiology. Mexico City, Mexico June 2016. *Global Heart* 2016;11(2):e61
24. Herasme OI, Vedanthan R, DeLong A, Kamano JH, Okidi E, Orango V, Rotich J, Asigi K, Chiliswa C, Kisato JA, **Bloomfield GS**, Hogan J, Horowitz CR, Inui TS, Kimaiyo SN, Finkelstein E, Fuster V; Sex differences in poverty, health care utilization, and health care costs among hypertensive individuals in western Kenya: LARK Hypertension Study. Global Alliance for Chronic Diseases 3rd Annual Implementation Science Workshop, Oct 17, 2016, Sydney, Australia.
25. Vedanthan R, DeLong A, Kamano JH, Okidi E, Orango V, Rotich J, Asigi K, Chiliswa C, Kisato J, **Bloomfield GS**, Hogan J, Horowitz CR, Inui T, Kimaiyo S, Finkelstein E, Fuster V. Sex Differences in Poverty, Health Care Utilization, and Health Care Costs Among Hypertensive Individuals in Western Kenya: LARK Hypertension Study. American Heart Association Scientific Sessions 2016, New Orleans, LA. *Circulation* 2016;134:115914.

Editorial, position and background papers

1. **Bloomfield GS**. mHealth: only as good as the company it keeps. *Lancet Diabetes Endocrinol*. Nov 2015 [epub ahead of print], [http://dx.doi.org/10.1016/S2213-8587\(15\)00455-6](http://dx.doi.org/10.1016/S2213-8587(15)00455-6).
2. **Bloomfield GS**, Narayan KM, Sampson UK, Narula J. What Defines a Valuable Investment in Global Health Research? *Global Heart*, *In Press* Mar 2016
3. **Bloomfield GS**, Burroughs Pena MS. Five Reasons Why Global Health Matters to Cardiologists. *Cardiol Clin*. Feb 2017;35(1), PMID: 27886794.
4. **Bloomfield GS**, Leung SS**. A Series of Unhealthy Developments: The Multiple Facets of Cardiovascular Risk Factors in China. *J Am Coll Cardiol*. Aug 23, 2016;68(8):834-5. PMID: 27539175.

Letters, correspondence

1. **Bloomfield GS**, Velazquez EJ. HIV and cardiovascular diseases in sub-Saharan Africa: the Sutton Law as applied to global health. *Journal of the American College of Cardiology*. 2013;61(23):2395. PMID: 23524216.

Other media

1. Interviewed for *Global Health Matters*, an online newsletter of the Fogarty International Center of the National Institutes of Health. "New career trajectories: studying disease overseas" July/August 2009, Volume 8, Issue 4. Available at http://www.fic.nih.gov/News/GlobalHealthMatters/Pages/0809_careers.aspx
2. Interviewed by Dr. Bob Harrington on behalf of theheart.org's *The Bob Harrington Show*. Episode #21 "Cardiologists and global chronic disease: Lessons from around the world". November 15, 2010

3. Interviewed Dr. Thomas Gaziano on behalf of theheart.org's *The Fellows' Corner*. Episode # 17 "Pursuing a Career in Cardiovascular Disease Research with Drs. Tom Gaziano and Jerry Bloomfield". May 31, 2010.
4. Interviewed for *Global Health Matters*, an online newsletter of the Fogarty International Center of the National Institutes of Health. "Building global health leaders" August 2010, Volume 9, Issue 4. Available at <http://www.fic.nih.gov/News/GlobalHealthMatters/Aug2010/Pages/scholars-fellows.aspx>
5. Featured in *The Duke Global Health Institute News*. "Duke Global Health Fellows Highlight Burden of Chronic Disease in Africa at Kenyan Annual Meeting" regarding my keynote address at the Federation of African Medical Students Associations General Assembly 2011. March 14, 2011. Available at <https://globalhealth.duke.edu/media/news/duke-global-health-fellows-highlight-burden-chronic-disease-africa-kenyan-annual-meeting>
6. Interviewed for *The Duke Global Health Institute News*. "The State of Global Cardiovascular Health in sub-Saharan Africa". July 23, 2014. Available at <https://globalhealth.duke.edu/media/news/state-global-cardiovascular-health-sub-saharan-africa>
7. Interviewed for *The Duke Clinical Research Institute News*. "Northern, Southern African nations lead continent in cardiovascular research". April 7, 2015. Available at <https://www.dcri.org/research/news/2015-news-archives/northern-southern-african-nations-lead-continent-in-cardiovascular-research>
8. Featured content expert in an online educational video for Global Public Service Academies entitled "What you need to know about hypertension", geared towards high school students engaging in international global health activities. May 2015. Available at <http://www.gpsa.org/videos/>
9. Featured content expert in an online educational video for Global Public Service Academies entitled "What you need to know about diabetes", geared towards high school students engaging in international global health activities. May 2015. Available at <http://www.gpsa.org/videos/>
10. Featured content expert in an online educational video for Global Public Service Academies entitled "What you need to know about interacting with patients", geared towards high school students engaging in international global health activities. May 2015. Available at <http://www.gpsa.org/videos/>
11. Interviewed for *The Duke Global Health Institute News*. "Partner Spotlight: Cardiac Care Unit Addressing Dire Need in Kenya". December 15, 2015. Available at <https://globalhealth.duke.edu/media/news/partner-spotlight-cardiac-care-unit-addressing-dire-need-kenya>
12. Interviewed for Duke Global Health Institute, *Advice to Global Health Grads*: "Collaboration is Key", and "Be an Advocate for Global Health". May 1, 2016. Available at https://www.youtube.com/playlist?list=PLQJg8zOoAFSTzMEWf3JjsQIE1k_XM6Ty
13. Report of a Humanitarian Mission. American Society of Echocardiography. Humanitarian Mission to Eldoret, Kenya. September 2016. Available at <http://www.asefoundation.org/kenya/>

Professional Awards and Special Recognitions

1997	Cum Laude Graduate, Princeton University
1999	National Medical Fellowships, Inc. Metropolitan Life Foundation Scholar
2000	Watt-Hansell Endowment for the Johns Hopkins University School of Public Health
2000	Public Health Traineeship Grant from US Dept. Health and Human Service
2009	Fogarty International Clinical Research Fellow, Fogarty International Center (5R24TW007988-05 PI: Vermund, Sten; Vanderbilt University)
2009	Joseph C. Greenfield Scholar Award in Cardiovascular Medicine
2009, 2011	NIH Loan Repayment Program Recipient
2010	Prevention of Noncommunicable Disease Seminar attendee, National Institute for Health and Welfare, North Karelia Project, Helsinki, Finland
2012	AAMC Minority Faculty Development Seminar
2012	Northwestern Cardiovascular Young Investigators' Forum Finalist

- 2013 Fogarty Global Health Fellows Program, Mentoring the Mentors in Global Health Research Workshop Attendee, Mombasa, Kenya
- 2014 Young Investigator Award, Multiethnic Study of Atherosclerosis Steering Committee
- 2014 Faculty Development Academy, Duke University
- 2014 Duke LEADERship Develop for Researchers program participant

Organizations and Participation

Medical Society Memberships

- 1997 – 2002 Student National Medical Association
- 2007 – present American College of Cardiology (ACC)
- 2008 – present American Heart Association (AHA)
- 2012 – present American Society of Echocardiography (ASE)
- 2013 – present American College of Physicians (ACP)

Professional Society Leadership Roles and Activities

American Heart Association

- 2008 – present Member, Council on Epidemiology and Prevention (EPI)
- 2008 – present Member, Council on Lifestyle and Cardiometabolic Health
- 2012 – 2014 Early Career Committee, EPI Council
- 2014 – present Fellow, AHA
- 2014 Scientific Sessions Initiative Committee
- 2014 – 2016 Vice-Chair of ADVANCE Committee (Committee to Advance Minority Health, Equity, and Diversity)
- 2015 – present Epi/Lifestyle Spring Sessions Program Committee
- 2016 Abstract reviewer for EPI/Lifestyle 2016 Scientific Sessions
- 2016 – present Chair, ADVANCE Committee (Committee to Advance Minority Health, Equity, and Diversity)
- 2016 – present Council Operations Committee, EPI Council
- 2016 – present Elizabeth Barrett-Connor Young Investigator Award Committee
- 2016 – present EPI Lifelong Learning (SCILL) Committee Member

American College of Cardiology

- 2007 – 2015 Member, Early Career Committee
- 2016 Participated in Chapter-in-Formation process for an East African ACC Chapter

Conference Organizer, Session Chair

- 2014 Session Chair, “Applying Lessons from the HIV Experience to Non-Communicable Diseases around the Globe”. Consortium of Universities for Global Health Conference 2014. Washington, DC
- 2014 Member, Planning Committee, U.S Investigators Network Symposium on Global Non-Communicable Disease Research, Atlanta, GA
- 2016 Member, Planning Committee, U.S Investigators Network Symposium on Global Non-Communicable Disease Research, Atlanta, GA

Workshops, Seminars

- 2011 Invited attendee “Health Burden of Indoor Air Pollution on Women and Children in Developing Countries” May 9-11, 2011. Bethesda, MD.
- 2013 Invited attendee “HIV and NCD co-morbidities in low and middle income countries in the ART ERA” April 29-May 1, 2013. Bethesda, MD.
- 2016 Duke Global Health Institute 10th Anniversary Symposium, “Break-Out Session: Non-Communicable Diseases: Stimulating Collaboration”. October 4, 2016

Invited Lectures

- 2009 National Heart Lung and Blood Institute Summer Seminar Series. "Trends in Chronic Cardiovascular Disease in sub-Saharan Africa". Bethesda, MD
- 2010 Consortium of Universities for Global Health Annual Meeting. "The Impact of the Fogarty International Clinical Research Fellowship on Career Development". Seattle, WA. Available at <https://www.youtube.com/watch?v=B3MSIPo42d8>
- 2010 Fogarty International Clinical Research Scholars and Fellows & International Doris Duke Research Program Alumni Symposium. "Applying for Career Development Awards: Lessons Learned". Potomac, MD
- 2010 American Heart Association Scientific Sessions 2010. "Studying Heart Failure in sub-Saharan Africa: One Fellow's Journey". Chicago, IL
- 2010 9th Annual Canadian Cardiovascular Society Trainee Day. "Global Cardiac Health Opportunities for Canadian Trainees". Montreal, Quebec
- 2011 Keynote Speaker. Federation of African Medical Students Associations General Assembly 2011. "HIV-related Cardiovascular Diseases: The Next 21st Century Epidemic". Eldoret, Kenya
- 2011 Invited Speaker and panel member. American Heart Association Scientific Sessions 2011. "Global Cardiovascular Health Research Training: One Fellows Journey". Orlando, FL
- 2011 Panel member. Duke Global Health Institute 5 Year Anniversary Symposium. "Acting Today to Improve Tomorrow" Chronic Diseases Session. Durham, North Carolina. Available at <https://www.youtube.com/watch?v=scoMNq-VAM4>
- 2011 Panel member. Duke University Health Policy and Global Health Week. Symposium on Health Policy and Global Health. Durham, NC
- 2012 Invited Speaker and panel member. American College of Cardiology Scientific Sessions 2012. "An Academic Partnership to Build Capacity for Cardiovascular Care and Research in Kenya". Chicago, IL
- 2012 NHLBI Office of Global Health Centers of Excellence Annual Trainee Meeting 2012. "Grant Writing Workshop for International Trainees". Bethesda, MD
- 2013 Department of Medicine Conference Series. "Tips for Writing a Successful Career Development "K" Award: Lessons Learned from the AAMC Minority Faculty Development Seminar"
- 2013 American Heart Association Scientific Sessions 2013. "Lessons Learned From My First K Award". Dallas, TX
- 2013 Krannert Institute of Cardiology at Indiana University Grand Rounds. "Cardiovascular Disease in sub-Saharan Africa: An Academic Model for Countering the Epidemic". Indianapolis, IN
- 2014 Moi University Cardiac Division Grand Rounds. "How does JNC-8 Apply to Us?". Eldoret, Kenya
- 2014 Moderator for Poster Session. American Heart Association Epidemiology and Prevention/Nutrition Physical Activity and Metabolism Scientific Sessions 2014. "Global Health". San Francisco, CA
- 2014 Consortium of Universities for Global Health Conference 2014. Session: NIH Fogarty Global Health Fellows: Examining Global Health Through Multiple Lenses. "Cardiovascular Disease Research in Kenya". Washington, DC
- 2014 Moderator, Consortium of Universities for Global Health Conference 2014. "Applying Lessons from the HIV Experience to Non-Communicable Diseases around the Globe". Washington, DC
- 2014 AMPATH Research Conference. "Contemporary Causes of Congestive Cardiac Failure in Western Kenya – Results of the CCF Study". Eldoret, Kenya

- 2014 AMSA (American Medical Student Association) Training Ground. "The Global Burden of Cardiovascular Disease". Chapel Hill, NC. Oct 25, 2014
- 2015 Invited Speaker, Duke Clinical Research Institute Research Conference. "Improving Cardiovascular Health: A Global Perspective". Durham, NC, Mar 10, 2015. Available at <https://www.youtube.com/watch?v=Y8KG5yHJkjk>
- 2015 Invited Speaker, American Society of Echocardiography 26th Annual Scientific Sessions. "Assessing Tamponade". Boston, MA. June 15, 2015.
- 2015 Moderator, American Heart Association Scientific Sessions. "Fundamental Challenges in Global Cardiovascular Disease Prevention and Management (Joint Session with the International Society of Cardiovascular Disease Epidemiology and Prevention)". Orlando, FL, Nov 8, 2015
- 2015 Moderator, American Heart Association Scientific Sessions. "Ten Years to WHO 2025 Goals - Where do We Stand? How Far to Go? (Joint Session with the World Health Organization)". Orlando, FL, Nov 11, 2015
- 2016 Duke Imaging Grand Rounds, "Recent Advances in the Duke-Moi Partnership in Building Sustainable Capacity for Cardiovascular Care". February 4, 2016
- 2016 East African Cardiology Conference, "A Partnership to Build Sustainable Capacity for Cardiac Care in Western Kenya". Dar es Salaam, July 13, 2016
- 2016 US Investigators Global Health Consortium, "Duke Global Health Institute: Global Research Center Overview". Atlanta, GA August 8, 2016
- 2016 Heart Failure Society of America, "Now that HIV is a Chronic Disease – It is Leading to HF?". Orlando, FL. September 17, 2016
- 2016 Duke Cardiology Grand Rounds, "Conception, Implementation, and the Future of Global Cardiovascular Health at Duke". Nov 1, 2016.
- 2016 American Heart Association Scientific Sessions, "Academic Partnership in Cardiovascular Health in the Public Sector". New Orleans, LA. Nov 14, 2016.

Teaching

- 2011 Guest lecturer for course GLHLTH 701: Global Health Challenges, Instructor: Dr. Chris Woods. Title: *Noncommunicable cardiovascular diseases in sub-Saharan Africa: Myths and Realities*
- 2012 – 2015 Lecturer for Moi University 4th and 6th year medical students on cardiovascular topics: *Pathophysiology of heart failure, Ischemic heart disease, Arrhythmias*
- 2012 – 2015 Lecturer for Moi University cardiology fellowship program. Delivered 3-5 lectures per month when onsite for >1 month
- 2013 Guest lecturer for course GLHLTH 701: Global Health Challenges, Instructor: Dr. Chris Woods. Title: *Noncommunicable diseases in LMICs*
- 2013 – present **Course developer and instructor**, GLHLTH 641: Non-Communicable Diseases in Low- and Middle-Income Countries: Trends, Causes and Prevention Strategies (3 credits) Offered annually in MSc-GH degree program at Duke University.
- 2014 Cardiac Diagnostic Unit Echocardiographic Case Conference (Hi-5), Oct 14
- 2015 Cardiac Diagnostic Unit Echocardiographic Case Conference (Hi-5), Aug 31
- 2015 - present Guest lecturer for course GLHLTH 590S: Intro to mHealth, Instructor Dr. Lavanya Vasudevan. Title: *mHelp! Noncommunicable diseases in developing countries and the promise of mHealth*
- 2015 Cardiac Diagnostic Unit Echocardiographic Case Conference (Hi-5), Oct 20
- 2015 Guest lecturer for course GLHLTH 701: Global Health Challenges, Instructor: Dr. Chris Woods. Title: *Noncommunicable diseases in LMICs*
- 2015 Cardiac Diagnostic Unit Echocardiographic Case Conference (Hi-5), Dec 2
- 2016 Cardiac Diagnostic Unit Echocardiographic Case Conference (Hi-5), Apr 25
- 2016 Cardiac Diagnostic Unit Echocardiographic Case Conference (Hi-5), May 9
- 2016 Cardiac Diagnostic Unit Echocardiographic Case Conference (Hi-5), Jun 20
- 2016 VECD Fogarty Fellows Monthly Webinar. "How to get the most out of your mentor using an individual development plan". Online October 12, 2016

Mentoring

Mentee Name	Year(s)	Position or Program	Location	Current Position
1. Constantine AKwanalo, MBChB, MMed	2011-12	Cardiology Fellow, Moi University,	Eldoret, Kenya	Cardiologist, Moi Teaching and Referral Hospital
2. Paul Park, MD	2012-13	Duke Internal Med/Global Health Resident, Fogarty Global Health Fellowship	Eldoret, Kenya	Director of Non-communicable Diseases, Partners in Health, Rwanda
3. Felix A. Barasa, MBChB, MMed	2012-13	Cardiology Fellow, Moi University,	Eldoret, Kenya	Cardiologist; and Head, Cardiac Unit, Moi Teaching and Referral Hospital
4. Anubha Agarwal, MD	2013-14	Stanford Medical School, Doris Duke International Clinical Research Fellowship	Eldoret, Kenya	Internal Medicine Resident, Duke University
5. Elizabeth Jung	2013-14	Duke University, Trinity College	Eldoret, Kenya	Associate Consultant, Triage Consulting Group
6. Tecla Temu, MD	2013-14	Brown University School of Medicine, Fulbright-Fogarty Fellow	Eldoret, Kenya	Research Fellow, Vanderbilt University
7. Wilson Sugut, MBChB, MMed	2014-15	Cardiology Fellow, Moi University, Fogarty Global Health Fellowship	Eldoret, Kenya	Head, Department of Medicine, Moi Teaching and Referral Hospital
8. Lindsay Boole, MD	2014-15	Duke Internal Med/Global Health Resident, Fogarty Global Health Fellowship	Eldoret, Kenya	Chief Resident, Duke University Department of Medicine
9. Rebecca Lumsden, BA	2014-15	University of Massachusetts Medical School, Doris Duke International Clinical Research Fellowship	Eldoret, Kenya	University of Massachusetts Medical Student
10. Jemima Kamano, MBChB, MMed	2015-16	Enhancing Training for Implementation Research in Chronic Diseases: CITE/KENYA Fellowship (Fogarty D43 program)	Eldoret, Kenya	Associate Program Manager, Chronic Disease Management Program, AMPATH; Lecturer, Moi University School of Medicine
11. Claudia Lok Leung, BA	2015-16	Northwestern University – Doris Duke International Clinical Research Fellow	Eldoret, Kenya	Doris Duke Fellow
12. Bethel Woldu, MD	2015-16	New York Presbyterian – Weill Cornell Medical Center, Fogarty Global Health Clinical Research Fellowship	Eldoret, Kenya	Fogarty Fellow
13. Loise Ng'ang'a	2016-17	Duke MSc-GH student	Eldoret, Kenya	MSc-GH student

14. Titus Ng'eno, MBChB	2016-17	Duke Internal Med/Global Health Resident, Fogarty Global Health Fellowship	Eldoret, Kenya	Fogarty Fellow
15. Benson Njuguna, B. Pharm	2016-17	Moi Teaching and Referral Hospital Cardiac Care Unit	Eldoret, Kenya	Clinical pharmacist, MTRH, Kenya

Thesis committees

2014 Nicholas Kirui, MMed in Internal Medicine, Moi University, Thesis reader

2015 Liz Mathenge, MSc of Global Health, Duke University, Committee member

2016 Loise Ng'ang'a, MSc of Global Health, Duke University, Committee Chair

Educational program building/leadership

- 2009 – present Cardiology fellowship development, Moi University. As faculty in the Cardiovascular and Pulmonary Disease Center of Excellence (COE), I worked with a team to organize the first cardiology fellowship program in Kenya whereby trainees could be trained in-country. I prepared and delivered core cardiology curriculum lectures and supervised daily morning report and weekly Grand Rounds meetings for the program.
- 2010 – 2014 Field Co-Director of Research, AMPATH Cardiovascular and Pulmonary Disease Center of Excellence (COE). Under the supervision of the PIs, I mentored fellows in clinical research. These efforts involved regular mentorship meetings, assistance with developing and refining protocols, guidance through project implementation and analysis.
- 2014 – present Co-Emergency Leader for Duke-Moi University collaboration in Eldoret, Kenya. I am one of two Emergency Leaders representing Duke University in Eldoret, Kenta. Primary responsibilities are to be the main point of contact in Eldoret in case of an emergency, and responding to environmental, political, and health epidemic emergencies to ensure safety of trainees and faculty while communicating with Duke and AMPATH leadership.
- 2016 Invited speaker, Moi University Cardiology Fellowship Stakeholder meeting. The cardiology fellowship program which was initially supported by the NHLBI and Hubert-Yeargan Center for Global Health, is being considered for adoption by Moi University to become a program administered, financed and organized by Moi University. My talk entitled Clinical Cardiology Fellowship Training: A Perspective from Duke University, described the ACGME and COCATS systems as they relate to cardiology fellowship, and detailed how the Duke cardiology fellowship program met these goals. This talk provided an example of how to implement the new fellowship for Moi University.

Areas of research interest:

Cardiovascular medicine, echocardiography (transthoracic, transesophageal, stress testing), global health, non-communicable diseases associated with human immunodeficiency virus, cardiovascular health in low- and middle-income countries

External Support – Gifts, Grants, and Contracts:

	Principal Investigator	Title/Purpose	Duration
Past			
Vanderbilt University VUMC 35602	Bloomfield	The Prevalence of Risk Factors for Atherosclerosis among Patients with Heart Failure in Kenya	7/09-6/10
NHLBI HHSN268200900031C	E Velazquez (Duke University) Co-Field Director of Research: Bloomfield	ASANTE Cardiovascular Pulmonary Disease Center of Excellence	7/09-6/10
Indiana University	Thomas Inui (Indiana University) Co-Investigator: Bloomfield	Indiana University Strategic Research Initiative – Kenya Cardiovascular Genetics Program: Genetic Associations in African Patients with Atrial Fibrillation	4/1/12 – 3/31/15
Fogarty International Center K01TW008407	Bloomfield	Risk Factors for Atherosclerosis among Patients with Heart Failure in Kenya	9/16/11 – 7/31/15
Present			
Indiana University	Thomas Inui (Indiana University) Co-Investigator: Bloomfield	Indiana University Strategic Research Initiative – Kenya Cardiovascular Genetics Program. SIGNAL (Study of Genetics of Atrial Fibrillation in an African Population: Echocardiographic Substudy)	8/15 – 12/15
Mount Sinai Med Ctr U01 HL114200-04	V Fuster Co-Investigator: Bloomfield	Optimizing Referral and Linkage to Hypertension Care in Rural Kenya (LARK)	4/15 – 3/16
Mount Sinai Med Ctr R01 HL125487 NIH/NHLBI	Finkelstein Co-Investigator: Bloomfield	Bridging Income Generation with Group Integrated Care (BIGPIC)	4/1/15 – 3/31/20

Clinical Activity – type of practice and estimate of time commitment:

General cardiology, ambulatory monitoring, echocardiography (transthoracic, transesophageal, stress testing), intra-procedural imaging for transcatheter procedures, inpatient rounding – 60% professional effort

Clinical program building/leadership

2009 – present Faculty, Cardiac Care Unit Development, Moi Teaching and Referral Hospital. As part of a team of three core faculty, I have been leading the clinical training for medical registrars, cardiology fellows and echocardiography technicians. This work involved preparing and delivering didactic lectures, bedside teaching in the echocardiography laboratory and bedside teaching in the cardiac care unit. We

enhanced the cardiac services offered at Moi Teaching and Referral Hospital by one-in-one personal instruction and group lectures to create a culture of expertise in cardiovascular medicine. These efforts culminated in the creation of the first Cardiac Unit at Moi Teaching and Referral Hospital.

Participation in academic and administrative activities of the University and Medical Center:

Duke University and Medical Center

2013 – present Director, Section of Global Cardiovascular Health in the Division of Cardiology
 2014 – present Committee Member, Cardiology Fellowship selection committee, Division of Cardiology
 2013 Ad hoc reviewer, K-award application reviewer for the Global Health Institute
 2014 – present Co-Emergency Leader for the Duke-Moi University collaboration in Eldoret, Kenya
 2016 – present Assistant Director, Ambulatory Monitoring Laboratory

Moi University

2014 – present Co-Chair, Cardiovascular and Metabolic Disease Research Working Group, AMPATH Consortium
 2014 – present Member, Executive Research Committee, AMPATH Consortium

African Mission Healthcare Foundation

2010 – present Member, Scientific Advisory Board

Editorial Activities

Editorial Board Appointments

2014 – present Associate Editor, *American Heart Journal*
 2016 Guest Editor, *Global Heart*, Theme Issue: “*The Impact of the NHLBI-UnitedHealth Group Centers of Excellence Program*”
 2016 Guest Co-Editor, *Cardiology Clinics* Theme Issue: “*Global Cardiovascular Health*”

Journal Peer-Reviewer (ad hoc)

2011 Vascular Health and Risk Management
 2011 – present Cochrane Reviews (average 1-2 reviews/year)
 2012 – present American Heart Journal (average 2-3 peer-reviews per year in last 2 years)
 2012 – present PLoS ONE (average 1-2 review per year in last 2 years)
 2013 Heart (BMJ)
 2013 International Journal of Epidemiology
 2013 – present Journal of the American College of Cardiology Heart Failure (average 1-2 reviews/year)
 2013 - present Global Heart (average 1-2 review per year in last 2 years)
 2014 Journal of Cardiovascular Translational Research
 2014 European Journal of Preventive Cardiology
 2014 – present Journal of AIDS (average 1-2 reviews per year in last 2 years)
 2015 – present Health Affairs (average 1 review per year in last 2 years)
 2015 BMC Research Notes
 2015 – present Lancet Diabetes and Endocrinology (average 1 review per year in last 2 years)
 2015 – present Journal of Infectious Disease (average 1 review per year in last 2 years)
 2015 – present ESC Heart Failure (average 1 review per year in last 2 years)
 2016 – present JAMA Cardiology (average 1 review per year in last 2 years)
 2016 BMC Public Health
 2016 – present Journal of the American College of Cardiology (average 1 review per year in last 2 years)
 2016 – present JAMA (average 1 review per year in last 2 years)
 2016 – present JAHA (average 1 review per year in last 2 years)

Advisory Committees, Review Groups, Study Sections

- 2016 Special Emphasis Panel/Scientific Review Group, Centers for Disease Control and Prevention (CDC)
- 2016 Special Emphasis Panel/Scientific Review Group, Planning for Regional Centers of Research Excellence (RCRE) in Non-communicable Diseases in Low and Middle Income Countries (P20),RFA-CA-15-007, ZCA1 GRB-S (M2)