

Curriculum Vitae

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EDUCATION

- 2010** **PhD Genetic Epidemiology**, Brighton and Sussex Medical School, Universities of Brighton and Sussex, UK (2007-2010)
- Dissertation project: The genetics of podoconiosis (Awarded with Uncorrected Pass; Examiner: Professor David Clayton, Cambridge University)
 - Developed a clinical staging system for podoconiosis and tested it in the field; trained fieldworkers about its application. The system is now fully in use for follow-up of treatment outcomes. The system was also used for the subsequent genetic study for recruitment of patients. Published in *Trop Med and Int Health*. (Funded by the Association of Physicians of Great Britain and Ireland)
 - Explored issues and concerns of informed consent process for genetic research on podoconiosis and developed a locally tailored consent process. The model developed enabled successful recruitment of participants for the genetics study. The work was highlighted in Wellcome Trust's July 31st edition of Science Policy and Related News ('SPIN'). Published in PLoS NTD and BMC Medical Ethics. (Funded by the Wellcome Trust)
 - Mapped podoconiosis susceptibility genes using genomic epidemiology tools (genome-wide association study, family-based association study, human leukocyte antigen association testing, and pathway/network analysis). Published in the *New Eng J Med*. (Funded by the Wellcome Trust)
- 2005** **MPH Public Health**, School of Public Health, Addis Ababa University, Ethiopia (2003 – 2005)
- Dissertation project: The economic costs of podoconiosis (endemic non-filarial elephantiasis)
 - The study has played a landmark role in informing the burden of podoconiosis so that raising the disease profile. It has been published in *Trop Med and Int Health*
- 2002** **BSc Public Health**, Debu University, Ethiopia (1998- 2002)
- Team-based research project: Attitude of women of child-bearing age in Yirgacheffe town towards legalization of induced abortion

EMPLOYMENT

Jan 2014 – present **Research Fellow**, Center for Research on Genomics and Global Health/ Metabolic, Cardiovascular and Inflammatory Disease Branch, National Human Genome Research Institute, National Institutes of Health, Bethesda, MD, USA

- Main research areas include: genome-wide and whole exome sequencing studies on type 2 diabetes and the metabolic syndrome in African populations; RNAseq and genome-wide association study on podoconiosis; and population genetics (i.e., The African Genome Variation Project, genomic signals of recent selection)

Dec 2010 – Jan 2014 **Postdoctoral Fellow**, Center for Research on Genomics and Global Health, National Human Genome Research Institute, National Institutes of Health, Bethesda, MD, USA

- Research projects: whole genome, whole exome and gene expression studies on podoconiosis; whole genome study on interleukins among African-Americans; HLA allele prediction using SNP genotypes in an African; pharmacogenomics in an Ethiopian population; and genetic structure of an Ethiopian population.

June – November 2010 **Research Manager**, Mossy Foot Treatment and Prevention Association Addis Ababa Office, Ethiopia

- Liaison with and Manage research projects involving fieldworkers, the Mossy Foot Treatment and Prevention Association supervisors in Addis Ababa, and investigators at the NIH, USA and Brighton and Sussex Medical School, UK.

June- Dec 2008 & 2009 **Special Volunteer**, Center for Research on Genomics and Global Health, National Human Genome Research Institute, National Institutes of Health, Bethesda, MD, USA

- Received hands-on-training on data management (quality control and analysis), design and conduct of genetic, bioethics and epidemiologic studies
- Analyzed data and wrote-up manuscripts on ethical issues, and genetic-epidemiology of podoconiosis, and interleukin plasma concentrations

June 2005 – Mar 2007 **Research Assistant and Coordinator**, National HIV/AIDS Service Provision Assessment Project, School of Public Health, Addis Ababa University, Ethiopia

- Coordinating governmental and non-governmental organizations to develop a working framework, designing and implementation of the first National Health Facility Survey in Ethiopia involving 122 hospitals, and 275 health centers and higher clinics
- Providing technical assistances to the Federal Ministry of Health of Ethiopia in the design, fieldwork, data management, analysis, write-up and dissemination of findings
- Teaching undergraduate and graduate medical and public health students. Courses: epidemiology, biostatistics, health services management and health economics.

Sep 2002 – Sep 2003 **Clinician and Community Health Coordinator**, Gindo Health Center, Ethiopia

- Treatment of patients at outpatient and in-patient clinics; coordinating clinical services; training on community health issues

TEACHING/LECTURE

- 2014 African Leadership Foundation BARAZA 2014, Washington DC, USA: Co-led workshop on application of genomics research to disease research in Africa, Jan 11, 2014.
- 2013 University of the District of Columbia, Washington DC, USA: Course – biology 101, topic – “Mapping Genomes”, Sep 18, 2013.
- 2013 Prince George’s Community College, Maryland, USA: Lecture – “From Public Health to Genomics and Back: Translational Genomics in a Global Health Setting”, Nov 21, 2013
- 2012 Instructor in the course (course ID:415.840.92) “Application of Genomics to Public Health Challenges” organized by SBRB/NHGRI and Johns Hopkins Bloomberg School of Public Health (NIH, Bethesda, USA, May 25, 2012).
Lecture topic: Disease prevention in a global health context.
- 2005-2006 Addis Ababa University (School of Public Health and School of Medical Laboratory Technology), Addis Ababa, Ethiopia: Courses including Epidemiology, Biostatistics, Health Services Management, and Health Economics.

CONSULTING INTERNATIONAL ORGANIZATIONS

- 2010 Consultant: Evaluation Report of Grassroots Empowerment for Combating HIV and AIDS in Dire, Miyo and Yabello Woredas, Ethiopia, 2010 (Action for Development, Ethiopia)
- 2010 Consultant: Assessment of Determinants of Utilization of Maternal and Childhood Services, and Cost of Services Provided in Health Centers in Legambo woreda, Ethiopia, 2010 (Save the Children UK, Ethiopia)
- 2009 Consultant: Development of an operational manual for establishment of private wings in public hospitals of Ethiopia and outsourcing of non-clinical services, 2009 (Federal Ministry of Health of Ethiopia, Abt. Associates, Banyan Global USA)
- 2009 Consultant: Integrated Management of Neonatal and Childhood Illness Health Facility Survey: Oromia and SNNPR Regions, Ethiopia, 2009 (Save the Children USA- Ethiopia Country Office)
- 2009 Coordinator: National Private Health Sector Exhibition in Ethiopia, 2009 (USAID, MAPPP-E, Banyan Global, Abt. Associates)
- 2008 Consultant: TB/HIV Service Provision Assessment of Private Health Facilities in Ethiopia: the case of Amhara, Oromia and Addis Ababa regions, 2008 (USAID/PSPE)

- 2007 Consultant: Developing National Human Resource for Health (HRH) Strategy in Ethiopia, 2007 (Federal Ministry of Health, JHPIEGO, World Health Organization, Italian Cooperation & World Bank).
- 2007 Consultant: Stigma, Discrimination and Denial of Religious Leaders in Ethiopia, 2007 (Ethiopian Interfaith Forum for Development Dialogue and Action).
- 2007 Consultant: Assessment of Unit Cost of Health Services for Setting National Health Insurance Premiums in Ethiopia, 2007 (Federal Ministry of Health, World Health Organization, World Bank, USAID-ESHE)
- 2006 Co-Investigator: Developing an Alternative Health Financing Model for Debrezina District, Wollo, Ethiopia, 2006 (London School of Hygiene & Tropical Medicine and Save the Children UK).
- 2005 Research Assistant: Inventory and Synthesis of the Epidemiology and Impact of Trachoma in Ethiopia, 2005 (International Trachoma Initiative-Ethiopia).
- 2005 Regional Coordinator: A National Survey of Magnitude and Prevalence of Fistula in Ethiopia, 2005 (The Addis Ababa Fistula Hospital).

RESEARCH GRANTS/PROJECTS

- 2013-2016 Investigation of the pathogenesis of podoconiosis using RNAseq and immunopathologic approaches (PI: Charles Rotimi). My role: Lead Associate Investigator
- 2013-2016 MRC IIB Research Grant. £791,000 (PI: Melanie Newport). Discovering podoconiosis susceptibility genes: from molecules to disease control for a 'neglected' NTD. My role: consultant.

INVITED JOURNAL EDITOR

- 2012-present Guest/Associate Editor for PLOS Neglected Tropical Diseases

INVITED JOURNAL REVIEWER

- 2014 Public Health Genomics, International Health, DNA and Cell Biology, The Pharmacogenomics Journal, The Journal of Rheumatology, PLoS ONE, International Journal of Environmental Research and Public Health
- 2013 BMC Public Health
- 2012 American Journal of Tropical Medicine and Hygiene, BMC Public Health, Progress in Health Sciences, Travel Medicine and Infectious Disease, PLOS Neglected Tropical Diseases, Indian Journal of Community Medicine

- 2011 Indian Journal of Community Medicine
- 2010 AIDS Care, Indian Journal of Community Medicine, Ethiopian Journal of Health Development, Educational Research, Journal of Public Health and Epidemiology
- 2009 PLOS Neglected Tropical Diseases, Social Aspects of HIV/AIDS Research Alliance (SAHARA), Indian Journal of Community Medicine, International Journal of Medicine and Medical Sciences
- 2008 AIDS Care, Ethiopian Journal of Health Development

MEMBERSHIP OF COMMITTEES/PROFESSIONAL SOCIETIES

- 2014-present Member: American Society of Tropical Medicine and Hygiene.
- 2013-present Board Member: African Society of Human Genetics.
- 2011-present Steering Committee Member: The International Podoconiosis Initiative.
- 2012-present Member: Cross-consortium for Pleiotropy of Metabolic Traits and Inflammatory Disorders.
- 2012-present Member: American Society of Human Genetics.
- 2012-present Member: Royal Society of Tropical Medicine and Hygiene.
- 2010-present Member: International Society of Community Genetics and Genomics.
- 2009-present Member: Community Genetics Network.
- 2008-present Member: African Society of Human Genetics.
- 2005-present Member for Life: Ethiopian Public Health Association.

OTHER PROFESSIONAL ACTIVITIES

- 2014 DNA Day Ambassador: The Richard Montgomery High School Science National Honor Society, MD. April 25, 2014.
- 2014 Judge for ASHG's 2014 DNA Day Essay Contest. March 2014.
- 2013 Poster Judge: NIH Post-baccalaureate Poster Day, Bethesda, MD, May 1, 2013.

PRESENTATIONS/SCIENTIFIC CONFERENCES

A. INVITED PRESENTATIONS/SYMPOSIUMS

- 2014 Second African Diabetes Congress. Yaounde, Cameroon, February 25-28, 2014. Symposium talk: *Whole exome sequencing of African families with multiple type 2 diabetes affected members.*
- 2013 American Society of Human Genetics Annual Meeting. Boston, MA, October 22-26, 2013. Speaker on an invited session: "Genetics of non-communicable diseases in sub-Saharan Africa". Title: *The African Genome Variation Project*
- 2013 The 62nd American Society of Tropical Medicine and Hygiene Conference. Marriott Wardman Park, Washington DC, Nov 13-17, 2013. Speaker in a Symposium: "Tropical lymphodemas – Why bother to distinguish lymphatic filariasis from podoconiosis?". Title of presentation: *Podoconiosis etiology: from gene identification to implementation for disease prevention.*
- 2012 The 13th World Congress on Public Health. Addis Ababa, Ethiopia, April 23-27, 2012. Speaker *in the Public Health Genomics Session: Public Health Translation of Genomics in Developing Countries: Example from Ethiopia.*

B. ORAL PRESENTATIONS

- 2014 American Society of Human Genetics Annual Meeting. San Diego, CA, October 18-22, 2014. Platform talk: *Genome-wide analysis in Africans provides novel insight into the genetic basis of the metabolic syndrome.*
- 2013 American Society of Human Genetics Annual Meeting. Boston, MA, October 22-26, 2013. Platform talk: *Multiple HLA loci and energy metabolism genes are targeted by recent positive selection.*
- 2011 African Society of Human Genetics and South African Society of Human Genetics Joint meeting, cape Town, South Africa, March 6-9, 2011. Title: *The HLA class II locus confers susceptibility to podoconiosis (endemic non-filarial elephantiasis). Also poster presentation at the Young Researchers Forum.*
- 2010 Global Health Challenges 2010 and Beyond, Royal Society of Tropical Medicine and Hygiene Biennial Meeting, Liverpool, UK, September 8-10, 2010. Title: *Tailoring consent processes in context for research on neglected tropical diseases: the case of podoconiosis research.*
- 2010 Molecular Medicine and Genomics in Africa, Zanzibar, Tanzania, January 28-31, 2010. Title: *Clinical grades, ethical issues and genetics of podoconiosis*
- 2009 National Human Genome Research Institute/National Institute of Health, 2009 Scientific Retreat, Philadelphia, USA, November 17-19, 2009. Title: *The genetic-epidemiology of podoconiosis.*

- 2008 Molecular Medicine and Genomics in Africa, Khartoum, Sudan, January 19-24, 2008. *Title: Informed consent process in genetic research.*
- 2006 TB and HIV Modeling Conference, Stellenbosch, South Africa, November 6-8, 2006. *Title: The economic impact of HIV/AIDS morbidity and mortality on households in Addis Ababa, Ethiopia*

C. POSTER PRESENTATIONS

- 2014 Social and Behavioral Research Branch of the National Human Genome Research Institute 10 Year anniversary. Bethesda, MD, January 13-14, 2014. *Title: Intersections of socio-behavioral and genetics research on podoconiosis.*
- 2013 National Human Genome Research Institute Annual Symposium, Bethesda, MD, December 12-13, 2013. *Title: The HLA locus and energy metabolism genes are involved in adaptation to environmental pressures.*
- 2011 The 12th International Meeting on Human Genome Variation and Complex Genome Analysis 2011, Berkeley, CA, 8th - 10th September, 2011. *Title: A genome-wide association study in African Americans uncovers loci influencing interleukin (IL)-10, and IL-1Ra plasma levels.*
- 2011 NIH Research Festival, Bethesda, USA, October 25, 2011. *Title: A genome-wide association study in African Americans uncovers loci influencing interleukin (IL)-10 and IL-1Ra plasma levels.*
- 2008 National Human Genome Research Institute/National Institute of Health, 2008 Scientific Retreat, Philadelphia, USA, October 20-21, 2008. *Title: Trust, autonomy and informed consent: how voluntariness of consent to biomedical research may be subverted in a low-income setting*
- 2006 The Association of Physicians of Great Britain and Ireland Annual Meeting, King's College, London, UK, April 5-7, 2006. *Title: Economic costs of podoconiosis (endemic non-filarial elephantiasis) in Wolaita zone, Ethiopia*

D. OTHER CONFERENCES ATTENDED

- 2012 Genetics of the peoples of Africa and the Transatlantic African Diaspora: An international conference. Friday Center, University of North Carolina, Chapel Hill, NC, March 19-20, 2012.
- 2011 International Society of Infectious Diseases-Neglected Tropical Diseases (ISID-NTD 2011), Boston, Massachusetts, July 8-10, 2011.
- 2008 The American Society of Human Genetics Conference, 58th Meeting. Philadelphia, USA, November 11-15, 2008.

AWARD/HONOR/RECOGNITION

- 2014 Intramural Research Award – NHGRI/NIH, Dec 2014, Bethesda, MD USA.
- 2012 Genome Technology Young Investigator – Genome Technology Magazine, December 2012/January 2013. <https://www.genomeweb.com/clinical-genomics/fasil-tekola-ayele-genomics-podoconiosis>
- 2012 Spotlited in the Year 2012 Alumni Magazine – University of Brighton Alumni Association, UK.
http://issuu.com/universityofbrighton/docs/the_brighton_effect_issue_29
- 2012 The publication Tekola Ayele et al 2012 *New Eng J Med* had received wide international recognition: the article has been selected as a Continuing Medical Education (CME) activity by the Massachusetts Medical Association; the *New Eng J Med* published an invited perspective article linked with the article; the NHGRI/NIH held a press release (<http://www.nih.gov/news/health/mar2012/nhgri-28.htm>); the Wellcome Trust held a press release (<http://www.wellcome.ac.uk/News/Media-office/Press-releases/2012/WTVM054822.htm>); NIH had included it in the NIH Research Matters news page (<http://www.nih.gov/researchmatters/april2012/04092012foot.htm>); the Fogarty International Center had included it in the May/June Global Health Research Matters newsletter (<http://www.fic.nih.gov/News/GlobalHealthMatters/Documents/ghmmay-jun2012.pdf>); the Scientific American magazine had an invited blog entry highlighting the publication (<http://blogs.scientificamerican.com/guest-blog/2012/04/17/vanquishing-mossy-foot-with-genetic-epidemiology-and-shoes/>); the Center for Disease Prevention and Control (CDC) included the study in ‘CDC’s picks of the week’ (<http://www.cdc.gov/genomics/update/yr2012/apr05.htm>); NIH’s Deputy Director for Intramural Research Web Board featured it as the “cover image” for April 2012; and the study led to a new entry for podoconiosis in the Online Mendelian Inheritance in Man (OMIM number 614590, <http://omim.org/entry/614590>). (Funded by the Wellcome Trust)
- 2011 Registration Fee Scholarship –Human Genome Variation and Complex Genome Analysis, Berkeley, California, USA, September 8-10, 2011.
- 2011 Young Researcher Oral Presentation Prize – Second place in the African Society of Human Genetics and South African Society of Human Genetics Joint meeting, Cape Town, South Africa, March 6-9, 2011.
- 2011 Travel Fellowship – African Society of Human Genetics, Cape Town, South Africa, March 6-9, 2011.
- 2010 Travel, tuition fee, accommodation and lodging scholarship – Wellcome Trust Advanced Courses, Genomic epidemiology in Africa, Kilifi, Kenya, Nov 28 – Dec 3, 2010.

- 2010 Travel, registration fee, accommodation and lodging scholarship (Bill and Melinda Foundation) – Global Health Challenges 2010 and Beyond, Royal Society of Tropical Medicine and Hygiene Biennial Meeting, Liverpool, UK, September 8-10, 2010.
- 2008 Outstanding Poster Presentation Award – NHGRI/NIH 2008 Scientific Retreat, Philadelphia, USA, Oct 21, 2008.
- 2008 Tuition fee scholarship – Basic Linkage and Association Course, Rockefeller University, New York, USA, Aug 2008.
- 2008 Tuition fee scholarship – Summer Institute of Statistical Genetics, University of Washington, Seattle, USA, July 2008.

TRAININGS/SHORT COURSES ATTENDED

- 2014 Sequence Analysis Workshop (University of Michigan, Center for Statistical Genetics, Ann Arbor, MI, December 8-12, 2014)
- 2013 The Translational Science Training Program (Sep 25 &26, 2013, NCATS, Rockville, MD, USA)
- 2012 Scientists Teaching Science: a 9-week course on subjects such as *inquiry-based science*, curriculum development, classroom dynamics, cultural awareness and diversity, assessments of learning environments, active learning and expert learners. (July-Oct 2012, OITE/NIH, Bethesda, NIH)
- 2012 Second short course on next generation sequencing: technology and statistical methods (Dec 10-13, 2012, University of Alabama in Birmingham, AL and HudsonAlpha Institute for Biotechnology in Huntsville, AL, USA)
- 2010 Wellcome Trust Advanced Courses, Genomic epidemiology in Africa (Nov 2010, Kilifi, Kenya)
- 2008 Basic Linkage and Association Course (Aug 2008, Rockefeller University, NY)
- 2008 Summer Institute of Statistical Genetics (July 2008, University of Washington, Seattle, USA)
- 2008 Molecular Medicine and Genomics in Africa (Jan 2008, Khartoum, Sudan)
- 2008 Browsing Genes and Genomes with Ensembl (Oct 2008, NIH, Bethesda, USA)
- 2008 Ethical and Regulatory Aspects of Clinical Research (Sept 2008, NIH, USA)
- 2007 Health Research Ethics, AMANET-TRUST (Sept - Dec 2007, online training)
- 2006 Genetics for Epidemiologists Short Course (July 2006, Bristol University, Bristol, UK)

PEER-REVIEWED PUBLICATIONS

1. Gurdasani D*, Carstensen T*, **Tekola-Ayele F*** (*joint first author), Pagani L*, Tachmazidou I*, Hatzikotoulas K, Karthikeyan S, Iles L, Pollard MO, Choudhury A, Ritchie GR, Xue Y, Asimit J, Nsubuga RN, Young EH, Pomilla C, Kivinen K, Rockett K, Kamali A, Doumatey AP, Asiki G, Seeley J, Sisay-Joof F, Jallow M, Tollman S, Mekonnen E, Ekong R, Oljira T, Bradman N, Bojang K, Ramsay M, Adeyemo A, Bekele E, Motala A, Norris SA, Pirie F, Kaleebu P, Kwiatkowski D, Tyler-Smith C, Rotimi C, Zeggini E, Sandhu MS. The African Genome Variation Project shapes medical genetics in Africa. *Nature*. 2014 Dec 3. doi: 10.1038/nature13997
2. **Tekola-Ayele F**, Adeyemo A, Chen G, Hailu E, Aseffa A, Davey G, Newport MJ, Rotimi CN. Novel genomic signals of recent selection in an Ethiopian population. *Eur J Hum Genet*. 2014 Nov 5. doi: 10.1038/ejhg.2014.233
3. Peprah E, Xu H, **Tekola-Ayele F**, Royal CD. Genome-Wide Association Studies in Africans and African Americans: Expanding the Framework of the Genomics of Human Traits and Disease. *Public Health Genomics*. 2014 Nov 26.
4. Shriner D, **Tekola-Ayele F**, Adeyemo A, Rotimi C. Genome-wide genotype and sequence-based reconstruction of the 140,000 year history of modern human ancestry. *Scientific reports* 2014 Aug 13; 4: 6055.
5. **Tekola-Ayele F**, Adeyemo A, Rotimi C. Genetic-epidemiology of type 2 diabetes and cardiovascular diseases. *Prog Cardiovasc Dis* Nov 2013, 56(3):251-60.
6. Tamiru A, Tsegay G, Wubie M, Gedefaw M, Tomczyk S, **Tekola-Ayele F**. Podoconiosis patients' willingness to pay for treatment services in Northwest Ethiopia: potential for cost recovery. *BMC Public Health*. 2014 Mar 19;14(1):259.
7. **Tekola-Ayele F**, Adeyemo A, Hailu E, Finan C, Davey G, Rotimi C, Newport MJ. Clinical and pharmacogenomic implications of genetic variations in an Ethiopian population. *Pharmacogenomics J*. 2014 Jul 29. doi: 10.1038/tpj.2014.39.
8. Deribe K, Tomczyk S, **Tekola-Ayele F**. Ten Years of Podoconiosis Research in Ethiopia. *PLoS Negl Trop Dis* 2013, 7(10): e2301. doi:10.1371/journal.pntd.0002301
9. **Tekola-Ayele F**, Alemu G, Davey G, Ahrens C. Community-based survey of podoconiosis in Bedele Zuria woreda. *International Health* 2013, 5:119-125.
10. **Tekola-Ayele F**, Adeyemo A, Finan C, Hailu E, Sinnott P, Diaz Burlington N, Aseffa A, Rotimi CN, Newport MJ, Davey G. The HLA class II locus confers susceptibility to podoconiosis. *New England Journal of Medicine* 2012,366(13):1200-8.
11. **Tekola-Ayele F**, Adeyemo A, Rotimi CN. Using a “genomics tool” to develop disease prevention strategy in a low-income setting: lessons from the podoconiosis research project. *Journal of Community Genetics* 2012, 3(4):303-9.
12. Kraja A, Dupuis J, Chasman D, North K, Reiner A, Yanek LR, Kilpeläinen T, Smith J, Dehghan A, Johnson AD, Feitosa M, **Tekola-Ayele F**, Chu A, Nolte I, Dastani Z, Morris A, Pendergrass S, Sun Y, Ritchie M, Vaez A, Lin H, Ligthart S, Marullo L, Rohde R, Shao Y, Jørgensen Y, Jørgensen M, Hansen T, Pedersen O, Stolk RP, Snieder H, Hofman A, Uitterlinden A, Franco O, Ikram A, Ridker P, Becker P, Rotter J, Kardia S, Loos R, Larson M, Hsu Y, Province M, Tracy R, Voight B, Vaidya D, O'Donnell C, Benjamin E, Alizadeh B, Prokopenko I, Borecki I, Meigs JB. Pleiotropic genes for metabolic syndrome and inflammation. *Molecular Genetics and Metabolism* 2014. Aug;112(4):317-38. doi: 10.1016/j.ymgme.2014.04.007.

13. Doumatey AP, Chen G, **Tekola-Ayele F**, Zhou J, Erdos M, Shriner D, Huang H, Adeleye J, Balogun W, Fasanmade O, Johnson T, Oli J, Okafor G, Amoah A, Eghan BA, Agyenim-Boateng K, Acheampong J, Adebamowo C, Gerry NP, Christman MF, Adeyemo A, Rotimi CN. C-reactive protein (CRP) promoter polymorphisms influence circulating CRP levels in a genome-wide association study of African Americans. *Hum Mol Genet.* 2012, 21:3063-72.
14. **Tekola-Ayele F**, Hailu E, Finan C, Aseffa A, Davey G, Newport MJ, Rotimi CN, Adeyemo A. Prediction of HLA class II alleles using SNPs in an African population. *PLoS ONE* 2012, 7(6):e40206.doi:10.1371/journal.pone.
15. Bull S, Farsides B, **Tekola-Ayele F**. Tailoring information provision and consent processes to research contexts: the value of rapid assessments. *J Empir Res Hum Res Ethics* 2012, 7(1):37-52.
16. Geshere Oli G, **Tekola-Ayele F**, Petros B. Parasitological, serological, and clinical evidence for high prevalence of podoconiosis (non-filarial elephantiasis) in Midakegn district, central Ethiopia. *Trop Med Int Health* 2012, 17(6):722-726.
17. **Tekola-Ayele F**, Doumatey A, Huang H, Zhou J, Charles B, Erdos M, Adeleye J, Balogun W, Fasanmade O, Johnson T, Oli J, Okafor G, Amoah A, Eghan BA Jr, Agyenim-Boateng K, Acheampong J, Adebamowo CA, Herbert A, Gerry N, Christman M, Chen G, Shriner D, Adeyemo A, Rotimi CN. Genome-wide associated loci influencing interleukin (IL)-10, IL-1Ra, and IL-6 levels in African Americans. *Immunogenetics* 2012, 64(5):351-9.
18. Davey G, Bockarie M, Wanji S, Addiss D, Fuller C, Fox L, Mycoskie M, Gruin M, Tsegaye A, **Tekola-Ayele F**, Newport M. Launch of the international podoconiosis initiative. *Lancet* 2012, 379(9820):1004.
19. Alemu G, **Tekola-Ayele F**, Daniel T, Ahrens C, Davey G. Burden of podoconiosis in poor rural communities in Gulliso *woreda*, west Ethiopia. *PLoS Negl Trop Dis*, 2011, 5(6):e1184.
20. Belayneh Y, **Tekola F**, Madeo M, Resti C. Task-shifting of HIV/AIDS services down the professional ladder: Current status in Ethiopia and lessons from other African countries. *Ethiop J. Health Dev*, 2009, 23(3):234-235.
21. **Tekola F**, Bull SJ, Farsides B, Newport MJ, Adeyemo A, Rotimi C, Davey G. Tailoring consent to context: designing an appropriate consent process for a biomedical study in a low income setting. *PLoS Negl Trop Dis*, 2009, 3(7): e482. doi:10.1371/journal.pntd.0000482
22. **Tekola F**, Bull SJ, Farsides B, Newport MJ, Adeyemo A, Rotimi C, Davey G. Impact of social stigma on the process of obtaining informed consent for genetic research on podoconiosis: a qualitative study. *BMC Medical Ethics*, 2009, 10:13. doi:10.1186/1472-6939-10-13.
23. **Tekola F**, Ayele Z, Hailemariam D, Fuller C, Davey G. Development and testing of a de novo clinical staging system for podoconiosis (endemic non-filarial elephantiasis). *Tropical Medicine & International Health* 2008; 13: 1277-1283.
24. **Tekola F**, Reniers G, HaileMariam D, Araya T, Davey G. The Economic impact of AIDS mortality and morbidity on households in Addis Ababa, Ethiopia. *AIDS Care* 2008; 20:995-1001.
25. Davey G, **Tekola F**, Newport MJ. Podoconiosis: non-infectious geochemical elephantiasis. *Transactions of the Royal Society of Tropical Medicine and Hygiene* 2007; 101:1175-1180.

26. **Tekola F**, HaileMariam D, Davey G. Economic costs of podoconiosis (non-filarial elephantiasis) in Wolaita Zone, Ethiopia. *Tropical Medicine & International Health* 2006; 11:1136-1144.

BOOK CHAPTERS

27. McBride C, de Heer H, **Tekola-Ayele F**, Davey G. Using genomic knowledge to improve health promotion interventions in the developing world. Book chapter in Behavioral Medicine (in press)
28. **Tekola-Ayele F**, Embiale W.Y. Podoconiosis: tropical lymphedema of the lower legs. Book chapter in Dermatology and Allergology – Principles and Practice, 2014. iConcept Press Ltd. 978-1-922227-188
29. Deribe K, **Tekola-Ayele F**, Davey G. Podoconiosis. Book chapter in NTD in Africa (accepted).

MONOGRAPHS

30. Hailemariam D, **Tekola F**, Ali A, Kumie A, Semie A, Melkamu Y, Lemecha G, Woldu A, Lemma W, Ismail S, Ahmed J, Iyayu Y, Gebre Michael T, Abera E (2007). Ethiopia National HIV/AIDS Related Health Facility Survey, Addis Ababa University, Addis Ababa, Ethiopia. (<http://www.etharc.org/resources/download/finish/33/91>)
31. Mitikie G, Tesfaye M, Ayele R, Gadisa T, Enqusillasie F, Lemma W, Berhane F, Yigezu B, Woldu A, Gebrehanna E, **Tekola F**, Yigzaw T, Degefa A, Woldu T (2007). Ethiopian National HIV/AIDS Behavioral Surveillance Survey (BSS), Round II, Federal Ministry of Health, Addis Ababa, Ethiopia. (<http://www.etharc.org/resources/download/finish/33/50>)