

Curriculum Vitae

Name	Fantahun Biadlegne Degeneh
Date of Birth	August 18, 1974
Place of Birth	Shindi, West Gojjam, Ethiopia
Nationality	Ethiopian
Language	Amharic, English

Profile

I possess over 7 years' experience in the field of Medical Microbiology, in academia and, performing research on human microbial pathogens. I have a wealth of experience in capability of managing practical work, translational researching, teaching medical and other health sciences students in areas such as tuberculosis, clinical microbiology, food and water microbiology, environmental microbiology, and public health. I have strong background in analytical capability and high determination and works out things to the end with a very considerable significance of purpose to achieve an intended goal. My enthusiasm and determination to succeed are reflected in my rapid career progression and strong publication record with in short period of time. I possess excellent interpersonal and communication skills and enjoy disseminating my research to peers and teaching medical and other health sciences students. I am highly motivated and possess strong teaching, analytical and decision making skills.

Educational Background

Year	Degree/Certificate	Field of study	University
1997	ESLCE	Secondary high school	Burie Shikudad High School
1998-2001	Bachelor	Biology	Bahir Dar
2005-2007	Masters	Microbiology	Addis Ababa University
2011- 2015	Doctorate*	Medical Microbiology and Epidemiology of Infectious Disease, and Clinical Immunology	University of Leipzig, Germany

***Expected to complete in June, 2015**

Work experience

- 2002- 2005: Head of district HIV/AIDS prevention and control office in Amhara Regional State
- 2006-2007: Program officer for people living with HIV/AIDS (Nigat Ass), Amhara Region, Ethiopia
- 2008-2009: Lecturer in the Department of Medical Microbiology, Immunology and Parasitology, University of Gondar, Ethiopia
- 2009-2010: Assistant professor and Vice dean of College of Medicine and Health Sciences, University of Bahir Dar, Ethiopia

Research Grant awards and certificate of merit

- 2010: German Academic Exchange Service (DAAD) PhD Scholarship award
- 2010: Bahir Dar University Research Grant award
- 2009: Bahir Dar University Research Grant award
- 2008: HIV/AIDS prevention and control office (HAPCO) Research Grant award
- 2008: HIV/AIDS knowledge on Infection Prevention and Provider Initiated (HIV) Testing and Counseling (PITC) (Certificate)
- 2008: Research Methodology (Certificate)
- 2003: Behavioral change and communication strategy (Certificate)

Publications

1. Biadlegne F, Rodloff AC, Sack U. **Review of the prevalence and drug resistance of tuberculosis in prisons: a hidden epidemic.** Epidemiol Infect. 2014 Nov 7;1-14. [Epub ahead of print]
2. Biadlegne F, Belyhun Y, Ali J, Walle F, Gudeta N, Kassu A, Mulu A. **Does the practice of blood film microscopy for detection and quantification of malaria parasites in northwest Ethiopia fit the standard?** BMC Health Serv Res. 2014 Nov 1;14(1):529. [Epub ahead of print]
3. Biadlegne F, Sack U, Rodloff AC. **Multidrug-resistant tuberculosis in Ethiopia: efforts to expand diagnostic services, treatment and care.** Antimicrobial Resistance and Infection Control 2014 3:31.
4. **Biadlegne F, Rodloff AC, Sack U. A first insight into high prevalence of undiagnosed smear-negative pulmonary tuberculosis in northern Ethiopian prisons: implications for**

- greater investment and quality control. PLoS One. 2014 Sep 9; 10.1371/journal.pone.0106869.
5. **Biadlegne F, Tessema B, Sack U, Rodloff AC. Drug resistance of *Mycobacterium tuberculosis* isolates from tuberculosis lymphadenitis patients in Ethiopia.** Indian J Med Res 140, July 2014, pp 116-122
 6. **Biadlegne F, Mulu A, Rodloff AC, Sack U. Diagnostic performance of the XpertMTB/RIF assay for tuberculous lymphadenitis on fine needle aspirates from Ethiopia.** Tuberculosis (Edinb). 2014 May 28.
 7. **Biadlegne F, Tesfaye W, Sack U, Rodloff AC. Tuberculous lymphadenitis in northern ethiopia: in a public health and microbiological perspectives.** PLoS One. 2013 Dec 9;8(12):e81918.
 8. **Biadlegne F, Tessema B, Rodloff AC, Sack U. Magnitude of gene mutations conferring drug resistance in mycobacterium tuberculosis isolates from lymph node aspirates in ethiopia.** Int J Med Sci. 2013 Sep 12;10(11):1589-94.
 9. **Biadlegne F, Anagaw B, Anagaw B, Tesfaye W, Tessema B, Sack U and Rodloff AC . Tuberculosis Lymphadenitis in Northwest Ethiopia: Implications for Public Health,"** *Open Journal of Medical Microbiology*, Vol. 3 No. 1, 2013, pp. 18-24.
 10. **Biadlegne F, Tesfaye W, Anagaw B, Tessema B, Debebe T, Anagaw B, Mulu A, Sack U, Rodloff AC. Tuberculosis lymphadenitis in Ethiopia.** Jpn J Infect Dis. 2013;66:263-8.
 11. **Biadlegne F, Anagaw B, Debebe T, Tesfaye B, Tessema B, Rodloff AC, Sack U. Tuberculosis lymphadenitis and its treatment outcome in FelegeHiwot Referral Hospital, Northwest Ethiopia: a retrospective study.** Int J Biol Med Res. 2013; 4(1): 2942-2947
 12. **Biadlegne F, Anagaw B, Debebe T, Anagaw B, W Tesfaye W, Tessema B, Rodloff AC and Sack U. A retrospective study on the outcomes of tuberculosis treatment in FelegeHiwot Referral Hospital, Northwest Ethiopia** IJMS, Vol. 5(2), pp. 85-91, February 2013.
 13. **Mulu A, Kassu A, Anagaw B, Moges B, Gelaw A, Alemayehu M, Belyhun Y, Biadlegne F, Hurissa Z, Moges F, Isogai E. Frequent detection of 'azole' resistant *Candida* species among late presenting AIDS patients in northwest Ethiopia.** BMC Infect Dis. 2013 Feb 12;13:82.
 14. **Anagaw B, Gezachew M, Biadlegne F, Anagaw B, Geleshe T, Taddese B, Getie B, Endris M, Mulu A, Unakal C. Antimicrobial susceptibility patterns of *Streptococcus pneumoniae* over 6 years at Gondar University Hospital, Northwest Ethiopia.** Asian Pac J Trop Biomed. 2013 Jul;3(7):536-41.
 15. **Anagaw B, Shiferaw Y, Anagaw B, Biadlegne F, Moges F, Kassu A, Unakal C and Mulu A. Frequency of Methicillin-resistant *Staphylococcus aureus* isolates from Clinical Specimens in Gondar University Hospital, Northwest Ethiopia.** Asian Journal of Medical Sciences 5(3): 59-64, 2013
 16. **Anagaw B, Mulu A, Abate E, Anagaw B, Belay T, Gelaw A, Alemayehu M, Belyhun Y, Biadlegne F, Schön T. Improved detection of acid-fast bacilli in sputum by the**

- bleach-concentration technique at Gondar University Teaching Hospital, northwest Ethiopia.** *Ethiop Med J.* 2012 Oct;50(4):349-54.
17. Biadgelegn F, Belyhun Y, Anagaw B, Woldeyohannes D, Moges F, Bekele A, Mulu A. **Potential risk of HIV transmission in barbering practice in Ethiopia: from public health and microbiological perspectives.** *BMC Public Health.* 2012 Aug 29;12:707.
 18. Anagaw B, Shiferaw Y, Anagaw B, Belyhun Y, Erku W, Biadgelegn F, Moges B, Alemu A, Moges F, Mulu A. **Seroprevalence of hepatitis B and C viruses among medical waste handlers at Gondar town Health institutions, Northwest Ethiopia.** *BMC Res Notes.* 2012 Jan 22;5:55.
 19. **Biadlegne F, Anagaw B, Tessema B, Getachew A, Andargie G, Abera B, Belyhun Y, Mulu A. Voluntary HIV counseling and testing service in Northwest Ethiopia: the cases of counselor's perception, client's satisfaction, and in-service observations.** *Ethiop Med J.* 2011 Jul;49(3):169-77.
 20. **Biadlegne F, Tessema B, Kibret M, Abera B, Huruy K, Anagaw B, Mulu A. Physicochemical and bacteriological quality of bottled drinking water in three sites of Amhara Regional State, Ethiopia.** *Ethiop Med J.* 2009 Oct;47(4):277-84.
 21. Anagaw B, Biadlegne F, Belyhun Y, Anagaw B, Mulu A. **Bacteriology of ocular infections and antibiotic susceptibility pattern in Gondar University Hospital, north west Ethiopia.** *Ethiop Med J.* 2011 Apr;49(2):117-23.
 22. Huruy K, Kassu A, Mulu A, Worku N, Fetene T, Gebretsadik S, **Biadlegne F, Belyhun Y, Muche A, Gelaw A, Anagaw B, Yifru S, Wondie Y, Bekele A, Tiruneh M, Reissig D, Moges F. Intestinal parasitosis and shigellosis among diarrheal patients in Gondar teaching hospital, northwest Ethiopia.** *BMC Res Notes.* 2011 Oct 31;4:472.
 23. Debas G, Kibret M, **Biadlegne F, Abera B. Prevalence and antimicrobial susceptibility patterns of shigella species at FelegeHiwot Referral Hospital, Northwest Ethiopia.** *Ethiop Med J.* 2011 Jul;49(3):249-56.
 24. Mulu A, Diro E, Tekleselassie H, Belyhun Y, Anagaw B, Alemayehu M, Gelaw A, Biadlegne F, Desalegn K, Yifiru S, Tiruneh M, Kassu A, Nishikawa T, Isogai E. **Effect of Ethiopian multiflora honey on fluconazole-resistant Candida species isolated from the oral cavity of AIDS patients.** *Int J STD AIDS.* 2010 Nov;21(11):741-5.
 25. Biadlegne F, Belyhun Y, Tessema B. **Sero-prevalence of human immunodeficiency virus (HIV) among voluntary counseling and testing (VCT) clients in Burie Health Center, West Gojjam, Ethiopia.** *Ethiop Med J.* 2010 Apr;48(2):149-56.
 26. Abera B, **Biadlegne F, Belay B. Prevalence of Salmonella typhi and intestinal parasites among food handlers in Bahir Dar town, North West Ethiopia.** *Ethiop.J.Health Dev.* 2010;24(1):46-50.
 27. Abera B, Belyhun Y and **Biadlegne F** . The bacteriology of Rhinosinusitis at FelegeHiwot Referral Hospital, Bahir Dar, Ethiopia. *Ethiop.J.Health. Biomed Sci.*, 2010 2(2):125-130.
 28. Tessema B, Biadlegne F, Mulu A, Getachew A, Emmrich F, Sack U. **Magnitude and determinants of nonadherence and nonreadiness to highly active antiretroviral therapy**

among people living with HIV/AIDS in Northwest Ethiopia: a cross-sectional study. *AIDS Res Ther.* 2010 Jan 14;7:2.

29. Abera B, Biadeglegne F. **Antimicrobial resistance patterns of *Staphylococcus aureus* and *Proteus* spp. isolated from otitis media at Bahir Dar Regional Laboratory, North West Ethiopia.** *Ethiop Med J.* 2009 Oct;47(4):271-6.
30. Biadlegne F, BayehAbera. **Bacterial isolates from wound infection and their antimicrobial susceptibility pattern in FelegeHiwot Referral Hospital, North West Ethiopia.** *Ethiop.J, HealthSci*, 2009,19(3):173-177.
31. Biadlegne F and Bayeh A. **Antimicrobial resistance of bacterial isolates from urinary tract infections at FelegeHiwotRefrealHospital.** *Ethiop.J.Health.Dev*, 2009,23(3): 236-238.
32. BayehA.andBiadlegne.F. **Antimicrobial Resistance of Fecal *Salmonella* and *Shigella* spp at Bahir Dar Regional Health Research Laboratory, North West Ethiopia.** *Ethiop Pharm J*,2009., 55-60.

Submitted manuscripts

1. Biadlegne F, Merker M , Sack U, Rodloff AC, Neimann S. **Genetic lineages of *Mycobacterium tuberculosis* causing tuberculous lymphadenitis and smear negative pulmonary tuberculosis in northern Ethiopia.** Submitted to *PLOS Medicine*
2. BiadlegneFetal.**Rifampicin and Isoniazid Resistance Associated Gene Mutations and Heteroresistance among *Mycobacterium tuberculosis* Isolates in Amhara National Regional State, Ethiopia.** *Ethiopian Journal of Health Sciences*, 2014.
3. Biadlegne F et al. **Evaluation of the efficacy of bleach routinely used in health facilities against *Mycobacterium tuberculosis* isolates in Ethiopia: An Experimental Study in a Referral Research Laboratory Center.** *Pulmonary medicine*, 2014.

Presentations

I. Oral presentations

1. The 18th annual students and staff research conference. University of Gondar, Ethiopia.**FantahunBiadlegne Physicochemical and bacteriological quality of bottled drinking water in three sites of Amhara Regional State, Ethiopia**
2. The 2010 annual research grants mini symposium. College of Medicine and Health sciences ,Bahirdar University. **FantahunBiadlegne. Potential risk of HIV transmission in barbering practice in Ethiopia: from public health and microbiological perspectives**
3. The 2009 annual research grants mini symposium. College of Medicine and Health sciences ,Bahirdar University,**FantahunBiadlegne.Assessment of the Physico-chemical and bacteriological quality of rural water supply, hygiene and Sanitation, at the sources and point-of-use at home in three selected administrative zones of the Amhara Regional State.**

4. Mini symposium, October 6, 2011, University of Leipzig Germany, **Fantahun Biadlegne. Molecular Epidemiology of M.tb complex in prison and civilian population, Northwest Ethiopia.**

II. Poster presentations

1. The 60th Gondar University anniversary celebration
 - 1.1. **Diagnostic performance of the XpertMTB/RIF assay for tuberculous lymphadenitis on fine needle aspirates from Ethiopia.**
 - 1.2. **Tuberculous lymphadenitis in northern ethiopia: in a public health and microbiological perspectives.**