

CURRICULUM VITAE
Christopher Curtis Whalen, M.D., M.S.

Personal:

Home Address: 1501 Hickory Hill Drive
Watkinsville, GA 30677
706-769-9033
whalenetal@gmail.com

Work Address: Department of Epidemiology and Biostatistics
College of Public Health
Wright Hall, room 102A
University of Georgia
100 Foster Road
Athens, GA 30602

Telephone: 706-542-0468
Fax: 706-583-0695
email: ccwhalen@uga.edu

Birth date: 19 June, 1956

Married: Lauren S. Nagashima-Whalen, M.D.
Children: Peter (9/11/86), Matthew (12/12/89), Lily (11/18/97)

Education:

1974 – 1978 Stanford University, AB English, French Literature
1980 – 1984 Case Western Reserve University School of Medicine, M.D.
1989 – 1992 Case Western Reserve University, M.S. Epidemiology and Biostatistics

Medical Training:

1984-1985 Intern, Internal Medicine, University Hospitals of Cleveland
1985-1987 Resident, Internal Medicine, University Hospitals of Cleveland
1987-1988 Fellow, General Internal Medicine (year 1), University Hospitals of Cleveland
1988-1989 Chief Resident, Internal Medicine, University Hospitals of Cleveland
1989-1990 Fellow, General Internal Medicine (year 2), University Hospitals of Cleveland
1992-1994 Fellow, Infectious Diseases, University Hospitals of Cleveland

Professional Appointments:

2016 – present Director, Global Health Institute, College of Public Health, University of Georgia
2014 – 2015 Interim Head, Department of Epidemiology and Biostatistics, College of Public Health, University of Georgia
2012 – present Distinguished Research Professor, University of Georgia
2010 – present Ernest Corn Professor of Infectious Disease Epidemiology, College of Public Health University of Georgia

2008 – present Professor, Department of Epidemiology and Biostatistics (with tenure),
College of Public Health, University of Georgia

2005 – 2008 Professor, Department of Epidemiology and Biostatistics, Case Western
Reserve University

1999 Tenure awarded, Case Western Reserve University

1998 – 2005 Associate Professor, Department of Epidemiology and Biostatistics, Case
Western Reserve University

1994 – 1998 Assistant Professor, Department of Epidemiology and Biostatistics, Case
Western Reserve University

1990 – 1993 Assistant Professor, Department of Medicine, Case Western Reserve
University

Licensure and Certification:

1985 Ohio Medical License: 35-05-3040,
1987 American Board of Internal Medicine, Diplomate
1996 - 2016 Board Certified, Infectious Diseases, Diplomate

Membership in Medical Societies:

Society for Epidemiologic Research
Infectious Disease Society of America
American Epidemiological Society

Honors and Awards:

1984 Alpha Omega Alpha, Case Western Reserve University School of Medicine

1991 Junior Faculty Research Award, Society of General Internal Medicine

1997 Nominee for Clinical Teacher of the Year Award, Department of Medicine, Case
Western Reserve University School of Medicine

1998 John S. Diekhoff Award for Distinguished Graduate Teaching, Graduate Studies
Program, Case Western Reserve University

2002 Nominee for Kaiser-Permanente Award for Excellence in Teaching, Case Western
Reserve University School of Medicine

2004 Elected to American Epidemiological Society

2008 Teacher of the Year, Department of Epidemiology and Biostatistics, Case Western
Reserve University, School of Medicine

2009 Invited Speaker, George Naff Annual Lecture, Case Western Reserve University

2009 Delta Omega National Honorary Society in Public Health

2010 Ernest Corn Professor in Infectious Disease Epidemiology, University of Georgia

2011 Award for Excellence in Research, College of Public Health, University of Georgia

2012 Distinguished Research Professor, University of Georgia

2017 Elizabeth Hurlock Beckman Award

2019 Jim and Karen Holbrook Professor in Global Health

Professional Service:

Study Sections, Review Groups and Special Emphasis Panels:

2019 Chair, Clinical Trial Implementation Cooperative Agreement (UO1 Clinical
Trial).

- National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
August 2019
- 2018 Single-site Investigator-Initiated Clinical Trials (R61/R33)
Special emphasis panel, National Heart, Lung, Blood Institute
National Institutes of Health, Bethesda, MD
June 2018
- 2017 Clinical Research Career Development Fellowship
The Wellcome Trust
Mar 2017
- 2017 Human Heredity and Health in Africa (H3Africa) Coordinating Center
National Human Genome Research Institute
National Institutes of Health
Mar 2017
- 2014 International Research in Infectious Diseases (IRIDA)
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
Nov 2014
- 2014 NIMH Research Education Mentoring Programs for HIV/AIDS Research (R25)
National Institute of Mental Health
National Institutes of Health, Bethesda, MD
- 2014 Clinical Research and Field Studies of Infectious Diseases, ad hoc
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
Oct 2014
- 2014 Chair, Special Emphasis Review Committee - International Centers for
Infectious Disease Research (ICIDR)
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
July, August 2014 (two stage review)
- 2011 Dissemination and Implementation Research in Health (ad hoc reviewer)
Healthcare Delivery and Methodologies Integrated Review Group
Center for Scientific Review
National Institutes of Health, Bethesda, MS
23 Feb 2011, Sep 2011
- 2010 – 2017 AIDS Research Review Committee (ad hoc reviewer)
Division of AIDS
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
November 2010, July 2011, March 2012, March 2015, March 2017
- 2007 - 2015 Global Infectious Disease Training Programs

Fogarty International Center
National Institutes of Health, Bethesda, MD
April 1, 2007 and Mar 2011, March 2015

- 2004 – 2009 AIDS Review Committee (Study Section), chartered member
Division of AIDS
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
- 2005 Loan Repayment Program
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
April 27, 2005
- 2005 Chair, Special Emphasis Panel
International Clinical Sciences Support, RFP – 05-07
Division of Microbiology and Infectious Diseases
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
February 18, 2005
- 2004 Microbiology and Infectious Disease Review Committee, ad hoc member
Division of Microbiology and Infectious Diseases
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
- 2004 Chair, Special Emphasis Panel
International Bioethics Education and Career Development Award
Fogarty International Center
National Institutes of Health, Bethesda, MD
- 2003 – 2004 Reviewer, International research Development Award
The Wellcome Trust
London, UK
- 1999 – 2003 Microbiology and Infectious Disease Review Committee (Study Section)
Division of Microbiology and Infectious Diseases
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
- 2002 Special Emphasis Panel for NeuroAIDS Studies
Division of AIDS
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD
- 2001, 2002 Special Emphasis Review Panel for Comprehensive International Program of
Research on AIDS (CIPRA)
Division of AIDS
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD

- 2001 Special Emphasis Review Committee for the International Research Scientists
Development Awards of the Fogarty International Center
Fogarty International Center
National Institutes of Health, Bethesda, Maryland
- 1999 Special Emphasis Review Committee for International Centers for Infectious Disease Research (ICIDR)
National Institute of Allergy and Infectious Diseases
National Institutes of Health, Bethesda, MD

Advisory Committees, Consultations, and other Professional Activities:

- 2019 External grant reviewer, Columbia University Mailman School of Public Health, May 2019
- 2018 External Reviewer, Committee on Appointments and Tenure, Boston University School of Medicine, Aug 2018
- 2018 External Reviewer, Committee on Appointments, Promotions, and Tenure, Case Western Reserve University School of Medicine, Aug 2018
- 2016 – present Executive Board, founding member, Georgia Global Health Alliance
- 2015 External Reviewer, Committee on Promotion and Tenure, University of California, San Francisco, School of Medicine, April 2015
- 2015 External Reviewer, Promotion and Tenure Committee, Johns Hopkins Bloomberg School of Public Health, April 2015
- 2014 – present Ethiopia-Emory Fogarty TB Research and Training Program
Consultant
- 2011 Reviewer for the Office of the Vice President for Research
University of Minnesota
Internal Infrastructure Investment Initiative (i3)
April – May 2011
- 2001 Consultant for World Health Organization
Global Forum on TB Vaccines: Research and Development
Department of Vaccines and Biologicals, Vaccine Development
World Health Organization, Geneva Switzerland
- 2001 Tuberculosis Vaccine Initiative Advisory Committee, Member
Initiative for Vaccine Research
Department of Vaccines and Biologicals, Vaccine Development
World Health Organization, Geneva Switzerland
- 2000 Invited Participant
Vaccines for HIV/AIDS, Malaria, and Tuberculosis: Addressing the
Presidential Challenge

National Institutes of Health, Bethesda, Maryland

- 1999 – present Technical Advisor, Ugandan Society for Health Scientists
Kampala, Uganda
- 1999 Co-Chairman of Meeting Workshop
Non-Antiretroviral Interventions to Slow HIV Disease Progression and Benefit
Non-HIV-Infected Persons
Second Conference on Global Strategies for Prevention of HIV Transmission
from Mothers to Infants
Montreal, Canada
- 1999 Consultant for World Health Organization
Working Group on Clinical Trials of New TB Vaccines
Department of Vaccines and Other Biologicals
World Health Organization, Geneva, Switzerland
- 1998 Consultant for the Centers for Disease Control and Prevention
CDC Conference on Screening and Preventive Therapy
Centers for Disease Control and Prevention, Division of Tuberculosis
Elimination
Atlanta, GA
- 1998 Consultant for World Health Organization
TB Preventive Chemotherapy in People Living with HIV/AIDS
Global Tuberculosis Programme
World Health Organization, Geneva, Switzerland
- 1998 – 2000 Reviewer of abstracts to the World AIDS Conference
- 1998 Steering Committee Member, Fogarty Workshop on International HIV/AIDS
Prevention Research Opportunities
AIDS Research Institute, University of California, San Francisco
- 1997 Consultant for the Centers for Disease Control and Prevention
CDC Conference on HIV-Associated Tuberculosis
Centers for Disease Control and Prevention, Division of Tuberculosis
Elimination
Atlanta, GA
- 1997 Rapporteur, International Conference on TB Vaccine Development, July 25,
1997
Tuberculosis Vaccines: How Close to Human Testing?
Sponsored by National Institutes of Allergy and Infectious Diseases
Case Western Reserve University, Cleveland OH
- 1997 Rapporteur, Tuberculosis Diagnostics Workshop, July 27, 1997
Sponsored by World Health Organization
Case Western Reserve University, Cleveland OH
- 1997 Contributor to the Certification and Recertification Programs, 1997

American Board of Internal Medicine

Committees or Working Groups:

2018 – 2019	2025 Strategic Planning Committee, University of Georgia
2018 – 2019	Member, University Search Committee for Dean, College of Public Health
2015 – present	Committee on Promotions and Tenure, College of Public Health, University of Georgia
2015 – present	Data Safety Monitoring Board, wCDSMP study, University of Georgia
2012	Chair, Program Review Committee for Office of Research Compliance, Office for the Vice President for Research, Program Review and Assessment Committee, University of Georgia
2011 – 2012	Chair, Departmental Search Committee, Department of Epidemiology and Biostatistics, University of Georgia
2011 – 2012	Chair, Program Review Committee for Department of Environmental Health Sciences, Program Review and Assessment Committee, University of Georgia
2011 – 2013	Special Professorship Committee, University of Georgia
2010 – 2011	Bylaw Committee, College of Public Health, University of Georgia
2009	Search and Screening Committee for the Associate Provost for International Programs, Office of the Senior Vice President for Academic Affairs and Provost, University of Georgia
2008 – present	Committee on Promotions and Tenure, Department of Epidemiology and Biostatistics, College of Public Health, University of Georgia
2008 – 2010	Research Advisory Council, Office of the Vice President for Research, University of Georgia
2008 – 2009	Review Committee for Center for Tropical and Emerging Global Diseases, University of Georgia
2008	Strategic Planning for School of Medicine, International Programs Working Group
2007 – 2008	Member, CTSTP Steering Committee member
2003 – 2006	Committee on Appointments, Promotions and Tenure, Case Western Reserve University School of Medicine
2003 – 2004	Undergraduate Public Health Working Group
2001 – 2008	Core Director, Epidemiology and Biostatistics

- Center for AIDS Research (CFAR), Case Western Reserve University
- 1997 – 2008 Committee on Appointments, Promotions and Tenure, Department of Epidemiology and Biostatistics, Case Western Reserve University School of Medicine
- 1995 – 1998 Security Committee, Case Western Reserve University
- 1994 – 2008 Student Selection Committee, Department of Epidemiology and Biostatistics
- 1994 – 2008 Committee Member for the Tuberculosis Research Unit
Case Western Reserve University
- 1994 – 2008 Working Group Leader
Center for AIDS Research (CFAR), Case Western Reserve University
International Working Group
- 1996 – 1998 Education Committee for the Infectious Diseases Research Institute,
Department of Medicine
- 1996 – 2002 Graduate Studies Committee, Department of Epidemiology and Biostatistics
Chairman, 1997 - 2002
- 1996 – 1997 HIV/Opportunistic Infection - Working Group
AIDS Clinical Trials Group, Complications of HIV Disease Research Agenda
Committee Chairman John Phair, MD
- 1988 – 1990 Residency Education and Certification Committee, Department of Medicine
- 1989 – 1990 Quality Assurance Committee, Department of Medicine, University Hospitals
of Cleveland
- 1987 – 1989 Medical Student Recommendation Committee, Department of Medicine, Case
Western Reserve University
- 1987 – 1990 Intern Selection Committee, Department of Medicine, Case Western Reserve
University

Reviewer for Medical Journals or Societies (cumulative):

American Journal of Epidemiology
 American Journal of Respiratory and Critical Care Medicine
 American Journal of Tropical Medicine and Hygiene
 American Thoracic Society
 Annals of Epidemiology
 Archives of Family Medicine
 Clinical Infectious Diseases
 International Journal of Tuberculosis and Lung Disease
 Journal of the Acquired Immunodeficiency Syndrome (JAIDS)
 Journal of the American Medical Association
 Journal of General Internal Medicine
 Journal of Infectious Diseases

New England Journal of Medicine
PLoS ONE
The Lancet
Tubercle and Lung Disease

Administrative Activity:

- 2016 – present Director, Global Health Institute, College of Public Health, University of Georgia
- 2009 – 2016 Graduate Studies Coordinator for Epidemiology, Department of Epidemiology and Biostatistics, College of Public Health, University of Georgia
- 2008 – 2010 Head (2009 – 2010) Curriculum and Academic Affairs Committee, College of Public Health, University of Georgia
- 2004 – 2009 Director, Fogarty International Clinical Research Scholars Program, Case Western Reserve University
- 2002 – 2008 Head, Division of Epidemiology, Department of Epidemiology and Biostatistics, Case Western Reserve University School of Medicine
- 2002 – 2008 Director, Center for the Modern Epidemiology of Infectious Disease, Department of Epidemiology and Biostatistics, Case Western Reserve University School of Medicine
- 2002 – 2008 Director, Epidemiology and Biostatistics Core, Center for AIDS Research, Case Western Reserve University School of Medicine
- 1995 – 2014 Director, AIDS International Training and Research Program, Case Western Reserve University and the University of Georgia
- 1992 – 1993 Associate Director of Research Fellowship, Division of General Internal Medicine, Department of Medicine University Hospitals of Cleveland and Veterans Affairs Medical Center
- 1991 – 1992 Associate Firm Director, Wade Park Veterans Affairs Medical Center
- 1987 – 1988 AIDS Task Force, University Hospitals of Cleveland
- 1986 – 1987 Institutional Review Board, University Hospitals of Cleveland

Hospital Infection Control Activities:

- 1993 Infection Control Committee, Veterans Affairs Medical Center
Statistical analysis of hospital data (10 hrs)
- 1994 Tuberculosis Care Path, University Hospitals of Cleveland, committee member

Medical and Graduate Student Activities:

- 2007 ShowCase Research Day
Judge of posters
Case Western Reserve University
11 April 2007
- 1996 Irwin H. Lepow Student Research Day
Judge for student presentations (5 hrs)
- 1996 Basic Science Mentor Program (2 students)

Invited Presentations and Lectures:

- 1992 Reliability of Symptoms in Clinical Medicine
Medical Grand Rounds, January 1992
Case Western Reserve University School of Medicine
- 1992 Epidemiologic Methods in the Study of HIV Infection in Africa
Makerere University, Uganda, March 1992
Sponsored jointly by the Fogarty International Center and World AIDS Foundation
- 1992 Global Epidemiology of Tuberculosis
Tuberculosis Research Symposium
Case Western Reserve University, November 1992
- 1993 Statistical Methods in Epidemiology
Makerere University, Kampala, Uganda, January 1993
Sponsored by Fogarty International Center
- 1994 Tuberculosis in the Elderly: The Forgotten Epidemic (?)
Topics in Geriatric Medicine
Case Western Reserve University, February 1994
Sponsored by the Western Reserve Geriatric Education Center
- 1994 Tuberculosis: The re-emergence of an old pathogen.
International Forum on Internal Medicine, Mexico City, Mexico
August 25 - 27, 1994,
- 1995 Workshop on Clinical Research Proposal Development and Project Management
Research Design and statistical analysis
Case Western Reserve University and Makerere University, Institute of Public
Health
Kampala, Uganda, January 1995
Sponsored by the University Development Linkages Program, USAID
- 1995 Interactions between HIV and Tuberculosis: Studies in Uganda
Thirtieth Joint Conference on Parasitic Disease, 1995
US Japan Cooperative Medical Science Program
Case Western Reserve University

- Cleveland, OH, July 20 - 22, 1995
- 1996 HIV/TB Clinical Care: Approaches to Controversial Issues
Society for General Internal Medicine, 19th Annual National Meeting
Washington, DC, May 2, 1996
- 1996 Vitamin A deficiency and mortality in HIV-infected Ugandan Adults
(With Peter Langi, Fogarty Fellow)
AIDS International training and research Program, Fogarty International Center
Office of AIDS Research, Natural History and Epidemiology Section
Washington, DC, May 16, 1996
- 1997 Impact of Tuberculosis on HIV Infection
Invited State-of-the-Art Presentation
CDC Conference on HIV-Associated Tuberculosis
Decatur, GA, September 8-9, 1997
- 1997 Impact of Tuberculosis on HIV Infection in Africa
Tuberculosis in Africa: The Promise of Scientific Advances
Kampala, Uganda, September 23-24, 1997
- 1998 Impact of Tuberculosis on HIV Infection in Africa
Meeting on TB Preventive Therapy in People Living with HIV/AIDS
World Health Organization
Geneva, Switzerland, February 18 – 20, 1998
- 1998 HIV-1 and TB Interactions
Departmental Seminar, Epidemiology and Biostatistics
Case Western Reserve University, April 23, 1998
- 1998 Evaluating TB Vaccine Efficacy in Household Contacts
Tuberculosis Vaccine Development and Evaluation: 1998 International Symposium
Sponsored by Centers for Disease Control and the National Institutes of Health
San Francisco, CA, August 26 – 28, 1998
- 1998 Tuberculosis in the Elderly
Topics in Geriatric Medicine
Western Reserve Geriatric Education Center, Case Western Reserve University
November 6, 1998
- 1998 Prevention of Tuberculosis
36th Annual Meeting of the Infectious Diseases Society of America
Denver, CO, November 12, 1998
- 1999 Preventive Therapy for Tuberculosis: Who should get it?
Medical Grand Rounds
Department of Medicine, Case Western Reserve University
February 23, 1999
- 1999 Transmission of *M. tuberculosis* in Households
International Forum on Tuberculosis

- Invited speaker for World Tuberculosis Day
 Instituto Nacional de Enfermedades Respiratorias
 Mexico City
 March 24, 1999
- 1999 Tuberculosis Vaccine Field Trials in the 'Best of All Possible Worlds'
 Working Group on Clinical Trials of New TB Vaccines
 Immunology of Mycobacteria (IMMYC) Subcommittee
 World Health Organization, Vaccines and Other Biologicals
 Geneva, Switzerland
 April 19, 1999
- 1999 Interaction of HIV and *M. Tuberculosis*: a Summary of Current Data
 Workshop on HIV Mortality and Tuberculosis
 30th Meeting of the International Union Against Tuberculosis and Lung Disease,
 World Conference on Lung Health
 Madrid, Spain,
 September 14, 1999
- 1999 Cohort Studies
 Didactic Curriculum on Clinical Research for Fellows and Faculty
 Department of Medicine, Case Western Reserve University
 November 9, 1999
- 1999 Risk-Benefit Assessment of International Research: Examples from Uganda
 Ethical Challenges of International Research in Developing Countries: Risk-Benefit
 Analysis
 National Bioethics Advisory Committee
 Washington, D.C., December 3, 1999
- 1999 HIV and Tuberculosis Epidemiology and Interaction
 World AIDS Day 1999
 Francis Payne Bolton School of Nursing
 Case Western Reserve University
 Cleveland, OH, December 1, 1999
- 2000 Tuberculosis Transmission and Prevention Studies in Uganda
 Department of International Health Seminar
 Johns Hopkins University Tuberculosis Center
 Johns Hopkins University, School of Medicine
 Baltimore, MD, May 16, 2000
- 2000 Tuberculosis Transmission in Ugandan Households
 Boston University School of Public Health
 Boston University, Boston MA, September 18, 2000
- 2000 Tuberculosis International Training Programs
 Annual Directors' Meeting
 Fogarty International Center, National Institutes of Health
 Washington, D.C., October 26, 2000

- 2000 HIV in Africa
World AIDS Day 2000
Francis Payne Bolton School of Nursing
Case Western Reserve University
Cleveland, OH, December 1, 2000
- 2002 HIV/TB Co-Pathogenesis: Mechanisms and Implications of Treatment
Tuberculosis and HIV Co-Infection Symposium
9th Conference on Retroviruses and Opportunistic Infections
Seattle, WA, February 25, 2002
- 2003 Endpoints for Phase I and II Clinical Trials of New Tuberculosis Vaccines
NIAID/NIH – CBER/FDA TB Vaccine Regulatory Workshop
National Institutes of Health
December 9, 2003
- 2004 Transmission Dynamics of *M. tuberculosis* in Ugandan Households.
Emmanuel Wolinsky Lecture, MetroHealth Medical Center
September 2, 2004
- 2005 Survival in HIV-Associated Tuberculosis
Confronting TB-HIV Co-infection
Fifth Annual Harvard Medical School Center for AIDS Research Symposium
Harvard Medical School
June 30, 2005
- 2006 Treating HIV/AIDS in Africa: The Promise and the Perils
World AIDS Day 2006
Case Western Reserve University School of Law, Law-Medicine Center
November 30, 2006
- 2007 Treating HIV/AIDS in Africa: The Promise and the Perils
Student Global AIDS Campaign, American Medical Student Association
Case Western Reserve University, School of Medicine
October 18, 2007
- 2007 Transmission Dynamics of Tuberculosis in African Households
College of Public Health, University of Georgia
November 30, 2007
- 2007 Causal Inference in Epidemiology
Department of Epidemiology and Biostatistics
Case Western Reserve University
November 6, 2007
- 2008 Epidemiology of Tuberculosis
University Health Center
University of Georgia
September 24, 2008
- 2008 Secondary Attack Rates of Tuberculosis

Ecology Seminar Series
Coverdell Center for Biomedical and Health Sciences
University of Georgia

- 2008 Epidemics: What Lies Beneath
Disease – What’s Next ... How Are We Preparing?
Academic Professional Security Series
Georgia Center for Continuing Education
University of Georgia
October 2008
- 2009 HIV and Tuberculosis Interaction
Visiting Professor
University of Pennsylvania
May 25, 2009
- 2009 DOTS: A Successful Tactic of a Failed Strategy
George Naff Lecture, Department of Medicine
Case Western Reserve University
June 6 2009
- 2009 HIV and Tuberculosis Co-pathogenesis
Invited moderator and speaker
Inter-CFAR HIV-TB Working Group National Meeting
Baylor College of Medicine
Houston, TX
May 2009
- 2009 Global Control of Tuberculosis
Visiting Professor
Wuxi Center for Disease Control
Wuxi, China
October 24, 2009
- 2010 Fogarty International Clinical Research Scholars and Fellows Programs
Invited Panelist
Fogarty International Center, National Institutes of Health
Potomac, MD
24 – 26 Sep, 2010
- 2010 Optimal Control of Tuberculosis
Invited speaker and panelist
Sixth TEPHINET Global Scientific Conference
Cape Town, South Africa
13 – 17 December 2010
- 2011 Epidemics of Infectious Diseases among College Students
Southern College Health Association
University Health Center, University of Georgia
18 Mar 2011

- 2011 Drug Resistant Tuberculosis in Asia
Visiting Professor
Wuxi Center for Disease Control
Wuxi, China
15 – 22 April 2011
- 2011 Treatment of HIV-Associated Tuberculosis in Africa
UGA Center for Drug Discovery
17 October 2011
- 2012 Effect of HIV infection on Transmission of *M. Tuberculosis* in African Households
HIV/TB Research Meeting
TB/HIV Working Group of the Stop TB Partnership
19th Conference on Retroviruses and Opportunistic Infections
Seattle, WA
5 March 2012
- 2012 Treatment of HIV-Associated Tuberculosis: Lessons from Global Health
Southeastern National Tuberculosis Control Program
University of Florida
Gainesville, FL
22 – 23 March, 2012
- 2012 Treatment of HIV-Associated Tuberculosis
University of Nebraska Medical Center
University of Nebraska
Omaha, NK
1 May 2012
- 2013 Global TB Control
TEDxUGA
University of Georgia
Athens, GA
22 March 2013
- 2013 Treatment of HIV-Associated TB with Preserved Immunity
Southeastern Tuberculosis Controllers Meeting
Savannah, GA
24 Oct 2013
- 2014 Mobile Technology to Promote Adherence with cART
Annual Meeting for IMPAACT (International Maternal Pediatric Adolescent AIDS
Clinical Trials Network) and HIV Prevention Trials Network
Arlington, VA
18 June 2014
- 2015 Social Networks and the Transmission of *M. tuberculosis* in Africa
Georgia Southern University, Research Seminar
Statesboro, GA
6 March 2015

- 2015 HIV and Tuberculosis in Africa
Partnering for Impact in Global and Public Health Symposium
Medical University of South Carolina
Charleston, SC
3 – 4 November 2015
- 2016 Tuberculosis transmission and Social Networks in African Urban Settings
Department of Microbiology, Makerere University
Kampala, Uganda
11 April 2016
- 2018 Mapping Tuberculosis Transmission in African Urban Networks
Grand Rounds, Department of Public Health Sciences
University of Miami, Miami FL
21 Feb 2018
- 2018 Determining Transmission of Tuberculosis outside the Household Setting
49th Union World Conference on Lung Health
The Hague, The Netherlands
24 – 27 October 2018
- 2019 What's the Problem? The Disease or Epidemic
Medical Grand Rounds
Rutgers University Medical School
7 May 2019
- 2019 Tuberculosis Research: Modern Approaches
Public Health Summer Scholars Program
Institute of Public and Preventive Health
Augusta University
22 May 2019

Teaching Activity:

Medical and Graduate School Teaching:

- 2016, 2018 Randomized Clinical Trials, EPID 8040 (45h/y; Spring semester, required course for doctoral students in Epidemiology), Department of Epidemiology and Biostatistics Core Course, College of Public Health, University of Georgia
- 2014 – present Integrating Research Designs, EPID 8050 (45h/y; Spring semester, required course for doctoral students in Epidemiology), Department of Epidemiology and Biostatistics Core Course, College of Public Health, University of Georgia
- 2012 – 2014 HIV and AIDS: A Global Perspective, EPID 8550 (45h/y; Maymester; elective for masters and doctoral students), Department of Epidemiology and Biostatistics Core Course, College of Public Health, University of Georgia
- 2011 - 2013 Cohort Study Designs, EPID 8010 (45h/y; required course for doctoral students in Epidemiology), Department of Epidemiology and Biostatistics Core Course, College of Public Health, University of Georgia

- 2009 – 2015 Introduction to Epidemiology, EPID 7010 (45 hrs/y; required course for masters in public health), Department of Epidemiology and Biostatistics Core Course, College of Public Health, University of Georgia
- 2008 – present Epidemiology of Infectious Diseases, EPID 8500 (45 hrs/y, elective course in graduate program), Department of Epidemiology and Biostatistics Core Course, College of Public Health, University of Georgia
- 2005 AIDS: Epidemiology, Biology, and Culture, ANTH 323/423
Guest lecturer
Department of Anthropology
Case Western Reserve University
- 1994 – 2008 Epidemiology of Infectious Diseases, EPBI 494 (45 hrs/yr, 10 students per year), Department of Epidemiology and Biostatistics
Case Western Reserve University School of Medicine
- 1999 – 2008 Introduction to Epidemiology, EPBI 490 (45 hrs/yr; 40 – 50 students per year);
Department of Epidemiology and Biostatistics
Case Western Reserve University School of Medicine
- 1996 – 2008 Epidemiology of Infectious Diseases - Outbreak Investigation (1-2 hr/yr)
Mechanisms of Infection - II (Committee for second year medical students),
Case Western Reserve University School of Medicine
- 1994 – 2003 Principles of Epidemiology in Infectious Diseases (3 -12 hrs/yr)
Annual International Health Course,
Case Western Reserve University School of Medicine
Sponsored by the Center for Global Health and Diseases
Case Western Reserve University
- 1995 – 2001 Infectious Disease Epidemiology, (1 hrs/yr)
Lectures to fellows in Infectious Disease Training Program,
Division of Infectious Diseases, Department of Medicine
- 1997 – 2008 Tuberculosis and AIDS: Interaction of an ancient and modern scourge (12 hr/yr)
Type A elective (IMMU 3002) for Infectious Disease area of concentration,
Case Western Reserve University School of Medicine
- 1998,
2002 – 2003 The World of Vaccines (3 - 15h)
Type A elective (EPBI 3001) for medical students
Case Western Reserve University School of Medicine
- 2002 - 2004 On Being a Professional Scientist, IBMS 500 (1 h), 2002
Center for Biomedical Ethics
Case Western Reserve University School of Medicine
- 1996 – 1998 Genetic Susceptibility to Infectious Diseases (2 hrs/yr)
For Genetic Basis of Common Diseases (EPBI 455; John Witte, Ph.D.),

Department of Epidemiology and Biostatistics
Case Western Reserve University School of Medicine

- 1999 Ethics of International Research –Clinical Trial of Preventive Therapy for Tuberculosis in HIV-Infected Ugandan Adults (2 hrs)
Cross-Cultural Ethics, Medical school Type A elective,
Center for Biomedical Ethics, Case Western Reserve University School of Medicine
- 1999 Case-Control Studies in Epidemiology, EPBI 491 (2.5 h),
Department of Epidemiology and Biostatistics, Case Western Reserve University School of Medicine
- 1998 Epidemiology of Emerging Infectious Diseases (40 hrs) ,
Course for public health field workers in Kenya
Division of Vector Borne Diseases, Kenya Ministry of Health
- 1992 – 1996 Infectious Disease Epidemiology (1.25 hrs/yr)
For Epidemiology: Introduction to Theory and Methods (EPBI 490)
Department of Epidemiology and Biostatistics, Case Western Reserve University
- 1995 – 1997 Medical Decision Making, (3 hrs/yr)
Health Care Professions (Dr. R. Ludgin),
Case Western Reserve University,
School of Law
- 1990 – 1995 Instructor, Clinical Epidemiology (3 - 5 hrs/yr)
Division of General Internal Medicine
Department of Medicine
Case Western Reserve University School of Medicine
- 1989 – 1993 Fundamentals in Medical Decision Making (5 - 8 hrs/yr)
Small group instructor for second year medical students,
Case Western Reserve University School of Medicine
- 1993 Survival Analysis (2.5 hrs)
Statistical Methods in Epidemiology (EPBI 491, D. Hom),
Department of Epidemiology and Biostatistics
Case Western Reserve University School of Medicine
- 1992 – 1993 Principles of Primary Care Medicine (1 - 3 hrs/yr)
Topics included HIV Infection in Primary Care, Clinical Research, and Health Maintenance
Ambulatory Care for Primary Care Residents (Drs. Aucott and Anderson, directors),
Division of General Internal Medicine, Department of Medicine
University Hospitals of Cleveland and Veterans Affairs Medical Center
- 1992 Clinical Trials in HIV Infection (1 hr)
Clinical Trials (EPBI 450, Dr. N. Gordon),

Department of Epidemiology and Biostatistics
Case Western Reserve University School of Medicine

- 1991 – 1992 Preceptor, Ambulatory Care Clerkship
Third year medical students
Case Western Reserve University School of Medicine
Veterans Affairs Medical Center
- 1988 – 1991,
1993 Instructor, Physical Diagnosis
Second year medical students
Case Western Reserve University School of Medicine
- 1988 – 1989 Instructor, Case Conferences, Medical Clerkship
Third year medical students
Case Western Reserve University School of Medicine
- 1988 – 1989 Preceptor, Acting Internship in Medicine
Third year medical students
University Hospitals and Veterans Administration Medical Center
- 1981 – 1982 Tutor in Basic Sciences, Case Western Reserve University School of
Medicine
- 1978 – 1980 Tutor in English, Stanford University, 1978-1980

Mentoring and Advising students, Fellows and other Trainees: from 1990 to present

Summary Table (full list of trainees available upon request):

Type of Trainee	Total	US Trainees	Foreign Trainees
Ph.D.	42	20	22
Committee Chair	23	10	13
Committee Member	19	10	9
M.S., M.P.H., MMed	63	19	44
Post-Doctoral Fellows	7	6	1
Other (Medical students, resident or fellows)	35	25	10
	147	70	77

Community Service or Activity:

- 2015 – 2016 LifeShape, coordinate delegation to visit TB control programs in Kampala, Uganda
- 2014 Community Forum on Ebola Outbreak in West Africa, Coordinator, Athens, GA; Sep 2014
- 2006 Keynote speaker, National Honor Society Induction Ceremony, Gilmour Academy, Gates Mills, OH
5 October, 2006

- 2005 – present Elioda Tumwesigye Foundation, founding member Board of Trustees,
Bushenyi District, Uganda
- 2005 Forum Panelist,
The Feminization of HIV/AIDS, Women Emerging Globally
League of Women Voters, Cuyahoga Regional Area
Trinity Commons, Cleveland, OH
May 12, 2005
- 2004 Guest Lecture, Statistics in Medicine
Advanced Placement Students
Brecksville-Broadview Heights and Cuyahoga Heights High Schools
21 May, 2004
- 2002 – 2005 Advisor, Serinya Project
Construction of primary school on Serinya island, Uganda
Wild Foundation
- 2000 Medicine and Health Care: The Scourge of AIDS
Uganda in Perspective: Politics, Medicine and the Church in Africa
Trinity Cathedral Cleveland
Euclid Avenue, Cleveland, OH
May 17, 2000
- 1997 - 2008 Health Career Enhancement Program for Minorities
Case Western Reserve University School of Medicine
Epidemiology of HIV Infection in Africa
- 1995 Altersgate Class (Adult Education)
Lakewood United Methodist Church, 15900 Detroit Avenue, Lakewood, OH
Role of Case Western Reserve University in Uganda
April 23, 1995
- 1995 Career Day, October 1995
Chippewa School, Weise Road, Brecksville, OH
- 1993 Daywood Homeless Program
Alcoholism Services of Cleveland, 2490 Lee Blvd., Cleveland Heights OH
In-service staff about occupational risks of tuberculosis and HIV infection in
homeless shelters

Publications:

Masters Thesis:

The Impact of Tuberculosis on the Clinical Course of Human Immunodeficiency Virus Infection,
Case Western Reserve University, August 1992.

Thesis Committee: Jerrold Ellner, MD, C. Robert Horsburgh, MD, David Hom, MS

Articles: († Indicates student or trainee of Dr. Whalen.)

1. Foster RE, Whalen CC, Waxman S. Reorganization of the axon membrane in demyelinated peripheral nerve fibers: Morphological evidence. *Science* 1980; 210:661-663.
2. Wenger JD, Whalen CC, Lederman MM, et al. Prognostic factors in the acquired immunodeficiency syndrome. *J Gen Intern Med* 1988; 3:464-470.
3. Hricik DE, Whalen CC, Lautman J, et al. Withdrawal of steroids after renal transplantation: Clinical predictors of outcome. *Transplantation* 1992; 53:41-45.
4. Flanigan T, Whalen CC, Turner J, Soave R, Havlir D, Kotler D. Cryptosporidiosis in HIV infection and CD4 counts. *Ann Intern Med* 1992; 116:840-842.
5. Whalen CC, Antani M, Carey J, Landefeld CS. An index of symptoms for infection with human immunodeficiency virus: Reliability and validity. *J Clin Epidemiol* 1994; 47:537-546.
6. Kump K, Whalen C, Tishler PV, Browner I, Ferrette V, Strohl KP, Rosenberg C, Redline S. Assessment of the validity and utility of a sleep symptom questionnaire in a community sample. *Am J Resp and Crit Care Med*. 1994; 150:735-741.
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13. Bonomo RA, Rice D, Whalen CC, Linn D, Eckstein L, Schlaes DM. Risk factors with permanent access site infection in chronic hemodialysis patients. *Infection Control and Hospital Epidemiology*. 1997; 18: 757 - 761.

14. Whalen C, Horsburgh CR, Lahart C, Simberkoff M, Ellner J. Site of disease and opportunistic infection predict survival in HIV-associated tuberculosis. *AIDS*. 1997; 11 (4): 455 - 460.
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16. Wallis RS, Nsubuga P. Whalen CC, Mugerwa RD, Oette D, Jackson JL, Johnson JJ, Ellner JJ. Pentoxifylline in HIV-I-seropositive tuberculosis: a randomized controlled trial. *J Infect Dis* 1996; 174: 727 - 733.
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association with IFNGR1, IL-10, and TNF receptor 1 genes. Hum Genet 2007; 121: 633 – 673. (*share senior authorship)

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20. Hill, PC and Whalen CC. Prevalence of tuberculosis in China. *Lancet* 2015; 385: 773. PMID: 25752176
21. Whalen CC. The replacement principle of tuberculosis: Why prevention matters. *Am J Resp Crit Care Med*. 2016; 194: 400 – 401.

Book Chapters:

Whalen, C.C. and Semba R.D. 'Tuberculosis', in Nutrition and Health in Developing Countries. Ed. Semba R.D., Bloem M.W., Humana Press, 2001.

Whalen CC. 2007. Clinical Trials and International Ethics: Tuberculosis Preventive Therapy. In *Case Studies in Ethics and HIV Research*, ed. Loue S and Pike EC, 126 – 135. New York: Springer.

Katamba A, Luzze H, Oloya J, Whalen CC. 2011. 'Uganda', in *Africa: A Practical Guide for Global Health Workers*. Ed. Spielberg LA, Adams LV, pp. 228 – 255. Hanover, New Hampshire: Dartmouth University Press.

Popular Press:

Whalen CC. Urine Testing for rEPO. Cyclingnews. www.cyclingnews.com/letters, 3 January 2006.

Whalen CC. Vaccination is sage, necessary for public health. Athens Banner Herald. 2015; 5 March.

Whalen CC. Combatting Uganda's HIV, TB Epidemics. Atlanta Journal-Constitution. 2015; 16 December.

Current Research and Training Support:

2012 – 2022 Community Transmission of *M. tuberculosis* in Urban Africa. (PI: Whalen CC; 7/2012 – 6/2022; AI093856, NIAID, NIH). The goal of this project is to determine the social network characteristics that promote community transmission of *M. tuberculosis* in urban Africa.

2015 – 2020 Computational and Molecular Epidemiology in TB and HIV in Uganda. (PI: Whalen CC; 4/2015 – 3/20; 1D43TW010045-01; Fogarty International Center, National Institutes of Health). This is an international training grant that partners with Uganda to train scientists in bioinformatics and mathematical modeling as applied to HIV and TB.

Pending Research:

2020 - 2021 Mobility of Patients with Active Tuberculosis before Diagnosis (PI: Kiwanuka N) Bill and Melinda Gates Foundation. This project utilizes Call Detail Records from cellular telephones to reconstruct the movement patterns of tuberculosis cases before diagnosis.

2019 - 2024 Capturing spatial patterns of new *M. tuberculosis* infection in Kampala, Uganda (PIs: Whalen CC, Bark C, Kiwanuka N; AI147319, NIAID, NIH). This study addresses the immune correlates of new infection in susceptible persons living in an African urban setting.

Completed Research:

2011 – 2014 Novel nonparametric methods for prognosis studies with missing covariates. (PI – Song X; Co-Investigator - Whalen CC; DMS 1106816, NSF). The goal of this study is to develop new nonparametric statistical methods for the analysis of longitudinal studies with missing covariates.

- 2007 – 2010 Community-Based Case Finding of TB-HIV Patients. Doris Duke Charitable Foundation (PI – Whalen CC). This study compares the efficiency of identifying cases of HIV-associated tuberculosis in Kampala, Uganda, using community cough surveys and household contact evaluations.
- 2007 – 2008 Determination of infection with multiple strains of Mycobacterium tuberculosis in adults with active pulmonary tuberculosis in Kampala, Uganda. Howard Hughes Medical Institute (PI – Whalen CC). This is a research training fellowship for a medical student Katherine Dickman. The study will determine the how often active tuberculosis is produced by multiple strains of *M. tuberculosis* using state-of-the-art molecular methods of strain typing.
- 2005 – 2008 Biomarkers of protective immunity and surrogate markers of TB disease in Africa. Bill and Melinda Gates Foundation (PI – Kaufman, S.; Co-Investigator – Whalen CC). The goals of this project are to define biomarkers and signature profiles of innate and adaptive immune responses to *M. tuberculosis* which are associated with protection.
- 2003 – 2013 The Uganda HIV/TB Clinical, Operational, and Health Services Research Training Program NIH TW 006900 (PI – Whalen CC). This is a research and training program for clinical, operational, and health services research on tuberculosis or HIV in Uganda. Through graduate degree and non-degree training experiences based in research, this program will help develop capacity in Uganda to evaluate new treatment and prevention programs for HIV and tuberculosis.
- 2003 – 2010 Punctuated Antiretroviral Therapy for HIV/TB in Uganda NIH AI 51219 (PI – Whalen CC). This study is designed to determine whether a punctuated, six-month course of highly active antiretroviral therapy during treatment of HIV-associated tuberculosis delays the progression to AIDS.
- 2000 – 2006 International Bioethics Training Program, NIH TW-0008 (PI – Loue, S; Mentor/Advisor – Whalen CC). This training program will provide formal degree and non-degree training in international biomedical ethics to foreign investigators from four countries through the Department of Bioethics. Dr. Whalen served as an instructor in this program and as a member of the advisory board.
- 1999 – 2004 Papua New Guinea duffy negativity and vivax malaria, NIH (PI – Zimmerman P; Investigator – Whalen, CC). This study explores the effect of Duffy negativity on morbidity and mortality in children with vivax malaria in Papua New Guinea. Dr. Whalen assisted with the design of component studies and the analysis of data for this study.
- 1998 – 2004 Adjunct Vitamin A Therapy for Tuberculosis in HIV/AIDS in Malawi, NIH (PI – Semba, R; Investigator/Consultant – Whalen, CC). The aim of this study is to see whether the use of vitamin A supplementation improves survival in HIV-associated tuberculosis. Study conducted in Zomba Malwi.
- 1996 – 2008 Center for AIDS Research, NIH AI36219 (PI – Lederman, M; Epidemiology and Biostatistics Core director – Whalen CC). This Center is designed to promote HIV/AIDS research at Case in multiple disciplines including basic virology,

vaccine development, clinical trials of antiretroviral therapy, and international research. Dr. Whalen is responsible for the Epidemiology and Biostatistics Core that provides consultation to CFAR members.

- 1994 – 2014 Tuberculosis Research Unit, NIH AI95383 (PI – Boom, WH; Epidemiology Component Leader – Whalen CC). The Tuberculosis Research Unit (TBRU) is a multidisciplinary research contract to study novel methods for tuberculosis control. The TBRU has four major research programs in epidemiology, clinical trials, immunology, and microbiology, and three core activities including a specimen repository, a study coordinating center, and an administrative core. Dr. Whalen is responsible for the design, conduct and analysis of a community-based study of tuberculosis transmission in Ugandan households. He is also the director of the Data Coordinating Center and oversees issues related to data integrity, quality control and quality assurance, and directs analysts in data analysis.
- 1994 – 1997 Preparation for AIDS Vaccine Evaluation (PI – Ellner JJ; Co-Investigator - Whalen CC; NIH AI 35173). To measure the seroincidence of HIV infection and its behavioral correlates in a Ugandan military cohort.
- 1993 – 1998 Preventive Therapy for tuberculosis in HIV-infected individuals in Uganda (ADEPT) CCU 506716 (PI – Whalen CC/Ellner JJ). To evaluate the safety and efficacy of three preventive therapy regimens for tuberculosis in HIV-infected Ugandan adults.
- 1993 – 2003 Impact of Tuberculosis on HIV Infection in Uganda, NIH AI32414 (PI – Whalen CC). To determine immunologic determinants of survival in HIV-associated tuberculosis and to determine whether immunoadjuvant improves survival in these patients.
- 1992 - 1994 Claude Pepper Award for Research on Aging (PI – J. Kowal; Co-Investigator - Whalen CC; AG 10418, NIA, NIH). As part of this multi-faceted grant, funding was used to study the impact of tuberculosis on mortality in elderly individuals.
- 1992 - 1993 Falls: A predictive model of risks (PI – B. Roberts; Co-Investigator - Whalen CC; NIA, NIH). As a co-investigator, Dr. Whalen provided advice on study design and methods of data collection for evaluating falls in the elderly.
- 1991 Measurements of symptoms in HIV-infected persons (PI – Whalen CC; Case Western Reserve University Research Initiation Grant). The aim of this study was to develop and validate an instrument to measure symptoms in HIV-infected individuals. The support from this award led to the publication of a novel index for measuring morbidity in HIV-infected individuals.
- 1988 – 2014 AIDS International Training and Research Program, NIH TW-00011-24 (PI – Whalen, CC from 1995 to present). To provide intensive training in research methodology for HIV/AIDS research to foreign investigators and their colleagues and to assist in the development of the infra-structure for collaborative research.