

## BIOGRAPHICAL SKETCH

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NAME Michele Barry, M.D., F.A.C.P.	POSITION TITLE Senior Associate Dean for Global Health, Director, Center for Innovation in Global Health, Professor of Medicine		
eRA COMMONS USER NAME (credential, e.g., agency login) BARRY.MICHELE			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
Bryn Mawr College	A.B. (magna cum laude)	1974	Biology
Albert Einstein College of Medicine	MD (AOA)	1977	Medicine
Walter Reed	Diploma	1980	Tropical Medicine

### A. Personal Statement

My career in global health has revolved around transformation of vertical programs into cross-disciplinary educational ones with global perspective. Trained in internal medicine and clinical tropical diseases, I recognized with the first wave of post-Vietnam migration that US training did not have the cultural and geographic perspectives necessary to care for the rapidly swelling non-US born populations, nor, conversely, to care for Americans increasingly traveling overseas. To address this, I initiated one of the earliest training programs in overseas rotations in 1981 (now called Yale/Stanford J and J Global Health Scholars Program) which has sent over 1000 physicians during training to longstanding partnered sites on 4 continents, and has become the model for similar programs throughout medical schools and post-graduate training in the US. As president of the American Society of Tropical Medicine and Hygiene (ASTMH), I spearheaded the certification process for US training programs in tropical diseases and traveler's health to develop a uniform body of knowledge across diseases and disciplines. There are now 18 institutions (12 in the United States, five in Europe and one in Asia) that have been approved as ASTMH pre-requisite diploma courses for a certificate examination. Most recently I have moved this Society into developing its first subsection of global health, bringing together researchers across disease and disciplinary lines to tackle issues of globalization's impact on health disparities. As the founding chair of the Institute of Medicine's (IOM) global health interest section, I was able to bring members from the various sections of the IOM together to address issues in global health from a multidisciplinary approach. I was recently recruited to Stanford as the inaugural Senior Associate Dean of Global Health. Subsequently, we have been awarded a five year MEPI consortium grant to help build medical educational capacity in Zimbabwe and I would be pleased to serve on the training advisory committee for a new consortium grant to help strengthen HIV implementation science research for the University of Zimbabwe College of Health Sciences.

### B. Positions and Honors

#### Positions and Employment

1977-1981	Internship and Chief Residency, Department of Medicine Yale-New Haven Hospital, New Haven, CT
1981-1986	Assistant Professor of Medicine Yale University School of Medicine, New Haven, CT
1986-1994	Associate Professor of Medicine Yale University School of Medicine, New Haven, CT
1994-2009	Professor of Medicine and Global Health Yale University School of Medicine, New Haven, CT
1995- 2009	Ford Foundation Health Consultant for overseas programs
1996-2009	Professor of Epidemiology and Public Health (secondary appointment) Yale University School of Medicine, New Haven, CT
1996-2009	Director, Johnson and Johnson Global Health Scholars Program

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2009-present Senior Associate Dean for Global Health Stanford, CA  
2010-present Director, Stanford Center for Innovation in Global Health

### **Honors**

1981 Humanitarian Award, Migration and Refugee Service for Indochinese  
1987-1990 Kellogg National Leadership Fellow  
2001 President – American Society of Tropical Medicine  
2002 Elected to Institute of Medicine/National Academy of Sciences  
2002 Christopher Krogh Memorial Award for dedicated leadership in healthcare for the underserved – Global Health Education Consortium of Universities – GHEC  
2003 Yale School of Medicine Society of Distinguished Teachers Award  
2005-2008 Founding Chair – IOM-NAS Group on Global Health, Infectious Diseases, and Microbiology  
1996-2011 Selected as one of Best Doctors in America: Tropical Diseases and Internal Medicine  
2009-present Ambassador – Paul G. Rogers Society for Global Health Research  
2010 Ben Kean Medal – American Society of Tropical Medicine and Hygiene

### **National Committees/Boards and Professional Memberships (selected)**

1988-2005 The United States Pharmacopeia USP Parasitic Disease Therapy Advisory Panel  
1991-1996 National Council for American Society of Tropical Medicine and Hygiene – Councilor  
1993 Chair – ASTMH Committee for Certification Exam in the United States  
2008-present Advisory Board – Global Health Corps  
2009-present Advisory Board – Harmony in Health, Borneo, Indonesia  
2009-present Founding Board Member – Consortium of University for Global Health (CUGH)  
2009-present Executive Board-Consortium of Universities for Global Health (CUGH)  
2010-present Board Member, Foundation for Advancement of International Medical Education and Research (FAIMER)  
2012-present Advisory Board – NIH Fogarty Center

### **C. Selected Peer-reviewed Publications (selected from 108 peer-reviewed publications)**

1. **Barry M.** Ethical considerations of human investigation in developing countries: The AIDS dilemma. *NEJM* 1988;319(16):1083-1086.
2. **Barry M,** Cullen M, Thomas JEP, Loewenson R Zimbabwe: Health care changes after independence and transition to majority rule. *JAMA* 1990;263(5):638-640.
3. Patterson JE, **Barry M,** Gallant J, Magine LS, Farrel P, Latif A. Epidemiology of high-level gentamicin resistant enterococcal isolates from Zimbabwe. *Am J Trop Med Hyg* 1990;43:397-399
4. **Barry M.** The influence of the U.S. tobacco industry on the health, economy, and environment of developing countries. *NEJM* 1991:P324;917-920..
5. **Barry M,** Molyneux M. Ethical dilemmas in malaria drug and vaccine trials: a bioethical perspective. *J Med Ethics* 1992;18:189-192.
6. Gupta A, Wells C, Horwitz R, Bia F, **Barry M.** The International Health Program: The fifteen year experience with Yale University's Internal Medicine Residency Program. *Am J Trop Med Hyg,* 1999;61(6):1019-1023.
7. **Barry M.** Presidential Address – Diseases without borders: globalization's challenge to the American Society of Tropical Medicine and Hygiene: A call for public advocacy and activism. *Am J Trop Med Hyg.* 2003;69(1):3-7.
8. **Barry M.** Wisnewski A, Matthias M, Inouye S, Vinetz J. Suburban Leptospirosis: Atypical Lymphocytosis and Gamma-delta T cell response. *Clinical Infectious Diseases* 2006;43 (Nov 15): 1306.
9. **Barry M.** The tail end of Guinea Worm – global eradication without a drug or vaccine. *NEJM* 2007;356(25):2561-2564.
10. **Barry M,** Hughes J. Talking Dirty – The Politics of Clean Water and Sanitation. *NEJM* 2008;359(8):784-787.
11. Drain P, **Barry M.** Fifty Years of US Embargo: Cuba's Health Outcomes and Lessons. *Science.* 30 April 2010 328:572-573.

12. Provenzano A, Graber L, Elansary M, Khoshnood K, Rastagar A, **Barry M**. Short-term Global Health Research Projects by US Medical Students: Ethical Challenges for Partnerships. *Am J of Trop Med Hyg* 5 Aug 2010; 83(2):211-214
13. Sidartha S, **Barry M**. Health Technologies and Innovation in the Global Health Arena. *NEJM* 2011 Sept 1;365(9)
14. Decamp M, Crump JA, Rodriguez J, Richardson G, Barry M, Sugarman J. Tb in a global health exchange program. *J Gen Intern Med*. 2012; Jan; 27(1):7
15. Crump John, De Camp M, **Barry M**, Sugarman J. Reflecting on Short-Term International Service Learning Trips, *Acad Med*. 2013; 88(1):10
16. DeCamp M., Rodriguez J, Hecht S, Barry M, Sugarman J, An Ethics Curriculum for short term global health trainees. *Globalization and Health*. (9)5 2013
17. Saquib N, Khanam M, Saquib J, Anand S, Chertow G, **Barry M**, Ahmed T, Cullen M. Type-2 Diabetes Epidemic among the urban middle class in Bangladesh. *Diabetes Care*; 2013; 13:1032
18. Anand S, Khanam MA, Saquib J, Saquib N, Ahmed T, Alam DS, Cullen MR, **Barry M**, Chertow GM. High Prevalence of chronic kidney disease in a community survey of urban Bangladeshis: a cross-sectional study. *Global Health*. 2014;10:9
19. Ndhlovu CE, Nathoo K, Borok M, Chidzonga M, Aagaard EM, Connors SC, **Barry M**, Campbell T, Hakim J. Innovations to Enhance the Quality of Health Professions Education at the University of Zimbabwe College of Health Sciences - NECTAR Program. *Acad Med*. 2014 Aug; 89(8 Suppl):S88-92.
20. Jayasekera CR, **Barry M**, Roberts LR, Nguyen MH. Treating hepatitis C in lower-income countries. *N Engl J Med*. 2014 May; 15;370(20):1869-71.

#### **D. Research support**

##### **Current funding**

Johnson & Johnson Corporate Foundation (Barry, Rastagar) 7/2000-ongoing  
 Yale/Stanford Global Health Scholars Program  
 The Global Health Program aims to build the capacity of health care at each of its established sites. Our goal is to establish longstanding Yale/Stanford Johnson & Johnson Health Overseas Partnerships in Education Centers (HOPE Centers) through focusing our scholars and resources at each of the sites. The program seeks to develop partnerships of patient-centered care and models of teaching in low resource settings.  
 Role: co-PI.

Doris Duke Foundation (Barry, PI) 9/1/2010-8/31/2012  
 Web-Based interactive course in "Ethical Challenges Encountered During Short-Term Overseas Training in Biomedical Research and Practice"  
 The major goal of this project is to develop an open access web-based framework to assist health professional students in exploring ethical issues of practicing medicine or performing research within another culture.  
 Role: PI

1RC4TW008781-01 (Barry) 9/01/2010-8/31/2013  
 NIH/Fogarty  
 Stanford Global Health Consortium on Innovation, Design, Evaluation and Action (C-IDEA).  
 The major goal of this project is to create a unique infrastructure at Stanford to accelerate scientific progress in the innovative design of extremely affordable diagnostics, drugs, biologics and devices for global health.  
 Role: PI

1R24TW008881-01 (Hakim-PI) 10/1/2010-9/30/2015  
 NIH/Fogarty (Barry, Campbell Co-PI)  
 Novel Education Clinical Trainees and Researchers (NECTAR) Program  
 The goal of this program is to establish a consortium with the University of Zimbabwe College of Health Sciences and the University of Colorado-Denver to improve medical education in Zimbabwe at the medical student and post graduate levels, coupled with programs to improve faculty training and support and

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investments in novel educational models and technologies. The ultimate goal is to improve the capacity of UZCHS to meet the healthcare training and research capacity needs of Zimbabwe.

Role: PI of Stanford sub award

1R25TW11-001 (Riley-PI)

04/04/2012- 2/28/2017

NIH/Fogarty (Barry, Ko, Madhivanan Co-PIs)

Global Health Fellows and Scholars Research Training Program

Consortium :Stanford, UC-Berkeley, Yale, Florida International

The major goal of this program is to establish a training program for post-doctoral fellows and upper division graduate and medical students to launch them into a career in global health research through participation in ongoing research projects in low and middle-income countries.