

**BIOGRAPHICAL SKETCH**

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NAME Jeffrey S. A. Stringer, MD		POSITION TITLE	
eRA COMMONS USER NAME JSTRINGER		Professor of Obstetrics and Gynecology	
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>	YEAR(s)	FIELD OF STUDY
University of Nebraska, Omaha, NE	B.A.	1991	English Literature
Columbia University, New York, NY	M.D.	1995	Medicine
University of Alabama at Birmingham	Certificate	1999	Obstetrics and Gynecology

**A. Personal Statement**

I have recently moved to North Carolina after spending more than a decade in Zambia as Director of the Centre for Infectious Disease Research in Zambia (CIDRZ). In Zambia, and now in Chapel Hill, I have served as a PI of multiple grants and cooperative agreements, including CIDRZ's large PEPFAR award (funded by CDC) and our current HIV/AIDS Clinical Trials Unit (funded by NIAID). As a trained obstetrician-gynecologist, I have experience working with maternal and pediatric research populations. I am delighted to serve on the scientific advisory committee for this important project.

**B. Positions and Honors**Appointments:

- 1999 - 2000 *Instructor*, UAB Department of Obstetrics and Gynecology
- 2000 - 2004 *Assistant Professor*, Departments of Obstetrics & Gynecology, Medicine, and Epidemiology & International Health, University of Alabama Schools of Medicine and Public Health, Birmingham, AL, USA
- 2004 - 2007 *Associate Professor with Tenure*, Departments of Obstetrics & Gynecology, Medicine, and Epidemiology & International Health, University of Alabama Schools of Medicine and Public Health, Birmingham, AL, USA
- 2007 - 2011 *Professor with Tenure*, Departments of Obstetrics & Gynecology, Medicine, and Epidemiology & International Health, University of Alabama Schools of Medicine and Public Health, Birmingham, AL, USA
- 2007 - 2011 *Director*, Division of International Women's Health, Department of Obstetrics and Gynecology, University of Alabama School of Medicine, Birmingham, AL, USA
- 2001 - 2012 *Honorary Lecturer*, Department of Obstetrics and Gynaecology, University of Zambia School of Medicine
- 2012 - 2013 *Visiting Professor*, Department of Obstetrics & Gynecology, University of North Carolina School of Medicine, Chapel Hill, NC, USA
- 2012 - *Director*, Division of Global Women's Health, Department of Obstetrics & Gynecology, University of North Carolina School of Medicine, Chapel Hill, NC, USA
- 2012 - *Adjunct Professor of Epidemiology*, University of North Carolina Gillings School of Global Public Health, Chapel Hill, NC, USA
- 2013 - *Professor with Tenure*, Department of Obstetrics & Gynecology, University of North Carolina School of Medicine, Chapel Hill, NC, USA

Board Certification and Licensure:

- 1996 – Alabama State Medical License no. 20625
- 2001 – Medical License, Medical Council of Zambia
- 2001 – Diplomate, American Board of Obstetrics and Gynecology

Other Experience and Professional Memberships:

- 2002 – present *Fellow*, American College of Obstetricians and Gynecologists  
 2002 – present *Member*, MTCT Working Group, Zambian Ministry of Health.  
 2007 – 2010 *Member*, Women's Health Internetwork Subcommittee; ACTG and IMPAACT networks, Division of AIDS, NIAID, NIH  
 2008 – present *Member*, NIH Office of AIDS Research; Natural History and Epidemiology Planning Group  
 2009 – present *Editorial Board Member*, Journal of Acquired Immunodeficiency Syndromes and Human Retrovirology (*JAIDS*); *Member*, Implementation and Operational Research Working Group  
 2010 – present *Member*, Network Executive Committee, International Maternal Pediatric Adolescent AIDS Trials Network (IMPAACT), Division of AIDS, NIAID, NIH

Peer-Review Activities (past 36 months): BMJ, JAMA, Lancet, NEJM, AIDS, JAIDS, Obstet Gynecol, AIDS Res Hum Retrovir; HIV Clin Trials, Bull WHO, Ev Based Obstet Gynecol; Pharm Res; PLoS Medicine, Antivir Therapy, AIDS Care, BMC Infect Dis; NIH SEP (RFA-HD-12-198,199)

Awards and Honors:

- 1997 UAB Department of Ob-Gyn Award for Outstanding Contribution to Medical Student Education  
 1998 Hillman Society Award for Outstanding Research  
 2002 Elizabeth Glaser Scientist Award  
 2006 Birmingham Business Journal Health Care Hero  
 2006 US CDC James Nakano Citation for an outstanding scientific publication [see ref #1]  
 2010 US CDC James Nakano Citation for an outstanding scientific publication [see ref #12]  
 2011 Constance B. Wofsy Women's Health Investigator Award, AIDS Clinical Trials Group (ACTG)

**C. Selected peer-reviewed publications** (from > 120 published or in press)

1. **Stringer JSA**, Zulu I, Levy J, Stringer EM, Mwango A, Chi BH, Mtonga V, Reid S, Cantrell RA, Bulterys M, Saag MS, Marlink RG, Mwinga A, Ellerbrock TV, Sinkala M. Rapid scale-up of antiretroviral therapy at primary care sites in Zambia: feasibility and early outcomes. *JAMA*. 2006 Aug 16;296(7):782-93. PubMed PMID: 16905784.
2. Chi BH, Sinkala M, Stringer EM, Cantrell RA, Mtonga V, Bulterys M, Zulu I, Kankasa C, Wilfert C, Weidle PJ, Vermund SH, **Stringer JSA**. Early clinical and immune response to NNRTI-based antiretroviral therapy among women with prior exposure to single-dose nevirapine. *AIDS*. 2007 May 11;21(8):957-64. PMID: PMC2745970.
3. Stringer EM, Kaseba C, Levy J, Sinkala M, Goldenberg RL, Chi BH, Matongo I, Vermund SH, Mwanahamuntu M, **Stringer JSA**. A randomized trial of the intrauterine contraceptive device vs hormonal contraception in women who are infected with the human immunodeficiency virus. *Am J Obstet Gynecol*. 2007 Aug;197(2):144.e1-8. PMID: PMC2730754.
4. Bolton-Moore C, Mubiana-Mbewe M, Cantrell RA, Chintu N, Stringer EM, Chi BH, Sinkala M, Kankasa C, Wilson CM, Wilfert CM, Mwango A, Levy J, Abrams EJ, Bulterys M, **Stringer JSA**. Clinical outcomes and CD4 cell response in children receiving antiretroviral therapy at primary health care facilities in Zambia. *JAMA*. 2007 Oct 24;298(16):1888-99. PubMed PMID: 17954540.
5. Stringer EM, Chi BH, Chintu N, Creek TL, Ekouevi DK, Coetzee D, Tih P, Boulle A, Dabis F, Shaffer N, Wilfert CM, **Stringer JSA**. Monitoring effectiveness of programmes to prevent mother-to-child HIV transmission in lower-income countries. *Bull World Health Organ*. 2008 Jan;86(1):57-62. PMID: PMC2647351.
6. Chi BH, Sinkala M, Mbewe F, Cantrell RA, Kruse G, Chintu N, Aldrovandi GM, Stringer EM, Kankasa C, Safrit JT, **Stringer JSA**. Single-dose tenofovir and emtricitabine for reduction of viral resistance to non-nucleoside reverse transcriptase inhibitor drugs in women given intrapartum nevirapine for perinatal HIV prevention: an open-label randomised trial. *Lancet*. 2007 Nov 17;370(9600):1698-705. Epub 2007 Nov 7. Erratum in: *Lancet*. 2008 Feb 23;371(9613):650. PubMed PMID: 17997151.
7. Stringer EM, Chintu NT, Levy JW, Sinkala M, Chi BH, Muyanga J, Bulterys M, Bweupe M, Megazzini K, **Stringer JSA**. Declining HIV prevalence among young pregnant women in Lusaka, Zambia. *Bull World Health Organ*. 2008 Sep;86(9):697-702. PMID: PMC2649483.
8. Stringer EM, Levy J, Sinkala M, Chi BH, Matongo I, Chintu N, **Stringer JSA**. HIV disease progression by hormonal contraceptive method: secondary analysis of a randomized trial. *AIDS*. 2009 Jul

- 17;23(11):1377-82. PubMed PMID: 19448528. (Foundation Funded)
9. Killam WP, Tambatamba BC, Chintu N, Rouse D, Stringer E, Bweupe M, Yu Y, **Stringer JSA**. Antiretroviral therapy in antenatal care to increase treatment initiation in HIV-infected pregnant women: a stepped-wedge evaluation. *AIDS*. 2010 Jan 2;24(1):85-91. PubMed PMID: 19809271. (Foundation Funded)
  10. Chi BH, Ellis GM, Chintu N, Cantrell RA, Sinkala M, Aldrovandi GM, Warriar R, Mbewe F, Nakamura K, Stringer EM, Frenkel LM, **Stringer JSA**. Intrapartum tenofovir and emtricitabine reduces low-concentration drug resistance selected by single-dose nevirapine for perinatal HIV prevention. *AIDS Res Hum Retroviruses*. 2009 Nov;25(11):1099-106. PMID: PMC2828257.
  11. Megazzini KM, Sinkala M, Vermund SH, Redden DT, Krebs DW, Acosta EP, Mwanza J, Goldenberg RL, Chintu N, Bulterys M, **Stringer JSA**. A cluster-randomized trial of enhanced labor ward-based PMTCT services to increase nevirapine coverage in Lusaka, Zambia. *AIDS*. 2010 Jan 28;24(3):447-55. PubMed PMID: 19926959. (Foundation & CDC Funded)
  12. **Stringer JSA**, McConnell MS, Kiarie J, Bolu O, Anekthananon T, Jariyasethpong T, Potter D, Mutsotso W, Borkowf CB, Mbori-Ngacha D, Muiruri P, Ong'ech JO, Zulu I, Njobvu L, Jetsawang B, Pathak S, Bulterys M, Shaffer N, Weidle PJ. Effectiveness of non-nucleoside reverse-transcriptase inhibitor-based antiretroviral therapy in women previously exposed to a single intrapartum dose of nevirapine: a multi-country, prospective cohort study. *PLoS Med*. 2010 Feb 16;7(2):e1000233. PMID: PMC2821896.
  13. **Stringer JSA**, Mwango AJ, Giganti MJ, Mulenga L, Levy JW, Stringer EM, Mulenga P, Saag MS, Musonda P, Williams FB, Reid SE, Chi BH. Effectiveness of generic and proprietary first-line anti-retroviral regimens in a primary health care setting in Lusaka, Zambia: a cohort study. *Int J Epidemiol*. 2012 Apr;41(2):448-59. PMID: PMC3324461.
  14. Stringer EM, Ekouevi DK, Coetzee D, Tih PM, Creek TL, Stinson K, Giganti MJ, Welty TK, Chintu N, Chi BH, Wilfert CM, Shaffer N, Dabis F, **Stringer JSA**; PEARL Study Team. Coverage of nevirapine-based services to prevent mother-to-child HIV transmission in 4 African countries. *JAMA*. 2010 Jul 21;304(3):293-302. PubMed PMID: 20639563. (CDC Funded)
  15. **Stringer JSA**, Stinson K, Tih PM, Giganti MJ, Ekouevi DK, Creek TL, Welty TK, Chi BH, Wilfert CM, Shaffer N, Stringer EM, Dabis F, Coetzee D. Population HIV-Free Survival among children under 2 years of age in 4 African Countries: the PEARL Community Survey; *PLoS Med*. 2013; 10(5): e1001424. doi: 10.1371/journal.pmed.1001424. Epub 2013 May 7. PMID: 23667341.

#### D. Grant and Contract Support (from > \$190 million as PI since 1999)

##### **Ongoing Support:**

OPP1033211 Bill and Melinda Gate Foundation Rotavirus vaccine introduction in Zambia (co-fund with ARK) This grant will fund a comprehensive evaluation of the effectiveness of rotavirus vaccine introduction in Zambia. It involves a large multi-round household survey, facility-based case:control studies, cost-effectiveness studies, and local capacity development.	Stringer (PI)	11/11/11 - 08/14/14
Absolute Return for Kids Comprehensive programme to control childhood diarrhea in Zambia This program will introduce accelerated rotavirus vaccine implementation in Lusaka Province coupled with improved clinical management of diarrhea. A multi-round community and facility surveillance will also be conducted to rigorously evaluate the impact of program roll-out.	Stringer (PI)	10/29/10 – 10/28/13
Doris Duke Charitable Foundation African Health Initiative / Population Health Interventions and Training This is a collaboration between CIDRZ and the London School of Hygiene and Tropical Medicine, and the Catholic Medical Missions Board. The initiative is using clinical mentoring and protocol development to improve maternal-child health outcomes in three rural districts in Zambia and will be evaluated through a stepped-wedge randomized roll-out.	Stringer (PI)	08/01/09 – 06/30/15

7 UM1-AI069455-06 NIH/NIAID	Stringer (PI)	05/10/07 – 11/30/13
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## Centre for Infectious Disease Research in Zambia HIV/AIDS Clinical Trials Unit

This is a U-01 grant from NIH/NIAID that supports our integrated clinical trials unit at CIDRZ. We affiliate with 4 DAIDS-sponsored networks through this grant: the AIDS Clinical Trials Group (ACTG; for adult HIV therapeutic trials), the International Maternal Pediatric Adolescent AIDS Clinical Trials Network (IMPAACT, for maternal and child HIV prevention and treatment studies), the Microbicides Trials Network (MTN, for microbicide prevention trials); and the HIV Prevention Trials Network (HPTN; for adult HIV prevention studies).

1 U01 AI100053-01  
NIH/NIAID

Stringer (PI)

07/01/2012 – 06/30/2015

Point-of-care virologic testing to improve outcomes of HIV-infected children in Zambia This will be a 12-site cluster-randomized trial of the field effectiveness of a new point-of-care diagnostic technology to identify infected children and start them immediately on antiretroviral therapy.

**Recently Completed Research Support:**

CDC-0201-40-021-04  
CDC/EGPAF

Stringer (PI)

02/23/04– 09/30/11

## Help Expand Antiretroviral Therapy for Women and Children (HEART)

This PEPFAR grant has enabled CIDRZ to develop a comprehensive HIV/AIDS prevention, care, and treatment program in Zambia. Since April 2004, 350,000 patients have been enrolled into care and 275,000 have started antiretroviral therapy. Because of our success in accruing patients, our budgets have increased substantially each year. Included in this parent grant is funding for a number of research activities, including 2 large observational cohort studies, a multi-round community health survey, and surveillance for antiretroviral drug resistance.

Doris Duke Charitable Foundation

Stringer (PI)

05/15/07 – 05/14/10

## Trial of Strategies to Enroll Pregnant Women onto ART

This funding supports a cluster-randomized trial of provision of antiretroviral therapy in the antenatal clinic as a strategy to increase enrollment of eligible women into ART.