



3rd CFAR Joint Symposium on HIV Research in Women

Hosted by: The Lifespan/Tufts/Brown Center for AIDS Research

Tuesday, September 18, 2012

6:30-8:00 pm Mentoring Sessions and Networking Event – L'Apogee 17 (17th Floor)
 Balancing Work and Personal Life/Family – L-Apogee 17
 Grant Writing/Grant Opportunities – Renaissance Salon
 Manuscript Writing – Salon 6
 Global Health Careers – Salon 2

Wednesday, September 19, 2012

7:30 – 8:00am Registration – Grand Ballroom, 17th Floor
 8:00 – 8:30am Welcoming Remarks – Dr. Christina H. Paxson, President, Brown University

Day 1 – Morning Sessions – Grand Ballroom, 17th Floor

Session 1: Prevention – Moderated by Betsy Herold, MD and Janet McGrath, PhD

8:30am – 9:00am Dr. Ashley Haase, The anatomy of the humoral immune response to a SIV Vaccine in the female reproductive tract at 1 cm resolution
 9:00am – 9:30am Dr. Connie Celum, STIs/Inflammation and HIV Transmission and Acquisition
 9:30am – 10:00am Dr. Julie Overbaugh, The role of neutralizing antibodies in blocking HIV-infection
 10:00am – 10:15am BREAK
 10:15am – 10:30am Niall Buckley, BS, HPV-Associated Changes in the Mucosal immune Environment in HIV-infected Women
 10:30am – 10:45am Jenell Coleman, BS, MD, MPH, Method of hormonal contraception is associated with lower tenofovir concentration in health women (MTN-001): implications for pre-exposure prophylaxis
 10:45am – 11:00am Velda Mushangwe-Mtisi, MB, CHB, MMed, Analysis of HIV sero-conversion among women survivors of sexual assault at a sexual assault clinic in Zimbabwe
 11:15am – 11:30am Marta Rodriguez-Garcia, MD, PhD, Estradiol reduces HIV-infection in CD4+T cells and macrophages
 11:30am – 12:15pm Panel discussion
 12:15pm – 1:15pm LUNCH

Day 1 – Afternoon Sessions – Grand Ballroom, 17th Floor

Session 2: Reproductive Health – Moderated by Scott McClelland, MD and Lucy Mukura

1:15pm – 1:45pm Dr. Mardge Cohen, Women, Gender Based Violence and HIV: Resisting “Legitimate” Rape
 1:45pm – 2:15pm Dr. Charles Wira, Genitoanal Trauma and Mucosal Immunology as it relates to HIV transmission
 2:15pm – 2:45pm Dr. Nelly Nugo, HIV Risk in Pregnancy
 2:45pm – 3:15pm Dr. Mulindi Mwanahamuntu, Developing Cervical Cancer Screening Programme Using HIV/ART Care and Treatment Structure

3:15pm – 3:30pm	BREAK
3:30pm – 3:45pm	Laura Dainton, MSci, Young Women’s perceptions of contraception and pregnancy in South Africa: Implications for HIV Prevention
3:45pm – 4:00pm	Roksana Karim, MBBS, PhD, Association of Gonadotropin and sex steroid levels with subclinical atherosclerosis in HIV-infected and uninfected women in the Women’s Interagency HIV study (WIHS)
4:00pm – 4:15pm	Rebecca Pellett Madan, MD, MS, Bactericidal E. coli activity in female genital tract secretions as a biomarker of HIV progression and acquisition risk
4:15pm – 4:30pm	Daniel Westreich, PhD, Incident pregnancy and time to death or AIDS among HIV-positive women receiving antiretroviral therapy
4:30pm – 5:00pm	Panel discussion
6:00pm – 8:00pm	Poster Discussions/Poster Session – Garden Room, 2 nd Floor Oral Poster Presentations: Ashley Appiagyei, BA, MPH Nabanita Biswas, BS, MS, PhD Angela Horvath, BA, MPH, MA Juma Shafi (for L. Masese) Lucy Mukura, BS
	Pamela Murnane, BA, MPH Kerry Murphy, BA, MD Assaf Oshri, PhD Robaab Siddiqui, BS, MD Robertine Sinabamenye, RN

Thursday, September 20, 2012
Grand Ballroom, 17th Floor

Session 3: Health Disparities & Social Vulnerabilities of Women – Moderated by Christine Wanke, MD and Deborah Jones, PhD

8:30am – 9:00am	Dr. Gloria Heresi, Issues in adolescent women living with perinatal HIV infection
9:00am – 9:30am	Dr. Alice Tang, Food Insecurity and HIV Outcomes in HIV infected Women
9:30am – 10:00am	Dr. Sally Hodder, Health disparities in the ISIS cohort
10:00am – 10:15am	BREAK
10:15am – 10:30am	Claire Farel, MD, MPH, Hit, kicked, slapped, bit, raped: Trauma, Violence, and HIV risk among incarcerated African-American Women in NC
10:30am – 10:45am	Gloria Gakii Kimani, MA, Empowering sex workers to control spread of HIV in Nairobi: The Sex Worker Outreach Program (SWOP) Model
10:45am – 11:00am	Kathleen Krause, BA, MSC, Current practice of HIV post-exposure prophylaxis treatment for sexual assault patients in an Emergency Department
11:00am – 11:15am	Allison McFall, BA, MHS, Understanding the Disparity: Predictors of virologic failure in women using highly active antiretroviral therapy vary by race and ethnicity
11:15am – 12:00	Panel discussion
12:00pm – 12:30pm	LUNCH
12:30pm – 1:30pm	Keynote Speaker - Scott McClelland, MD, MPH “Hormonal Contraception & HIV: Still searching for answers after more than 2 decades”
1:30pm – 2:30pm	Group discussion
2:30pm	FINAL THOUGHTS & FUTURE PLANS

September 18, 2012

Dear Participants,

On behalf of the organizing committee of the 3rd CFAR Joint Symposium on HIV Research in Women, I would like to welcome you to this exciting program that includes Mentoring Workshops, Poster Session, and sessions on topics such as HIV Prevention: Special Issues in Women; HIV and Reproductive Health; and Health Disparities & Social Vulnerabilities of Women.

We are happy to welcome international presenters and attendees from 7 different countries and representation from 17 CFARs. We have assembled an excellent team of moderators and speakers including:

- Dr. Betsy Herold, Einstein-Montefiore
- Dr. Connie Celum, University of Washington
- Dr. Mardge Cohen, John H. Stroger, Jr. Hospital of Cook County
- Dr. Ashley Haase, University of Minnesota
- Dr. Gloria Heresi, University of Texas
- Dr. Sally Hodder, University of Medicine & Dentistry of New Jersey
- Dr. Deborah Jones, University of Miami
- Dr. Alan Landay, Rush University
- Dr. Scott McClelland, University of Washington
- Dr. Janet McGrath, Case Western Reserve University
- Dr. Nelly Mugo, Kenyatta National Hospital (KNH)/ University of Nairobi, Kenya
- Lucy Mukura, Dartmouth College
- Dr. Mulindi Mwanahamuntu, University of Zambia School of Medicine
- Dr. Julie Overbaugh, University of Washington
- Dr. Alice Tang, Tufts University
- Dr. Christine Wanke, Tufts University
- Dr. Charles Wira, Dartmouth College

We hope that through this symposium we will be able to identify gaps in knowledge in research related to HIV and women and develop strategies that will move the field forward; generate collaborative activity between the different Center for AIDS Research (CFAR) sites and with other research networks highlighting cutting edge science; and promote and emphasize opportunities for young investigators.

We could not have done this without support from several different organizations including: NIH, Office of AIDS Research, Centers for AIDS Research at the University of Washington, University of California-San Francisco, Chicago, District of Columbia, Harvard, Case Western, University of Alabama at Birmingham, Einstein-Montefiore, University of Rochester, and Baylor-UT Houston.

We hope you enjoy your stay in Providence.

Sincerely,

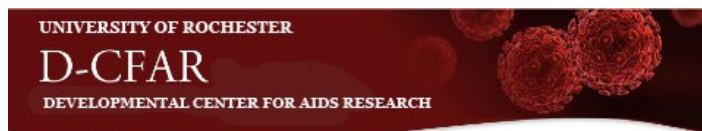


Susan Cu-Uvin, MD
Symposium Chair

We'd like to thank the following sponsors:



NIH Office of AIDS Research (OAR)
U.S. Department of Health & Human Services



Health Disparities & Social Vulnerabilities in Women Session Bios Moderators: Chris Wanke & Deborah Jones

Invited Presenters:

Gloria Heresi, MD, is Professor of Pediatrics and director of Pediatric Infectious Diseases, the Pediatric HIV Program and the Donald M. Gross Research Group at the University of Texas, Houston. Her research centers on improving health outcomes for HIV infected children and adolescents and preventing transmission to children and adolescents. She has recently reviewed HIV/AIDS in the Hispanic/Minority Community and published papers on Single genotypes underestimating the prevalence of antiretroviral resistance in patients with perinatally acquired HIV; *Pneumocystis carinii* pneumonia in infants who were exposed to human immunodeficiency virus but were not infected: an exception to the AIDS surveillance case definition; Graves' disease following successful HAART of a perinatally HIV-infected 11-year-old. Funding for Dr. Heresi's over 25 years of work has come from numerous international, national and local groups and organizations. In addition to her activities in the United States, she has worked in Africa and South America.

Alice Tang, PhD, is an Associate Professor in the Department of Public Health and Community Medicine at Tufts University School of Medicine and Co-Director of the Biostatistics Core of the Lifespan/Tufts/Brown CFAR. Dr. Tang received her Ph.D. in Epidemiology, with an emphasis in Infectious Diseases, in 1996 from the Johns Hopkins School of Hygiene and Public Health. Dr. Tang has been the Principle Investigator of three NIH-funded studies and one CDC-funded study, all related to HIV infection in injection drug users. Her first study, funded in 1996 by NIDA, was a 2.5 year longitudinal study on the "Nutritional Status of HIV-positive and HIV-negative injection drug users in Baltimore, Maryland." Dr. Tang was also the PI of the Baltimore site of the multicenter HIV Network for Prevention Trials (HIVNET) from 1997-1999. In 1998, she received a grant from the CDC to study "Barriers to HIV testing in injection drug users and young adults" in Baltimore, MD. Dr. Tang has published several articles and two book chapters on the role of micronutrients in HIV-infection. She is available to assist TNC members with the design, collection, and analysis of study data related to the nutritional, endocrine, and metabolic (NEM) complications of HIV infection and drug use.

Sally Hodder

Sally Hodder, MD, is the vice chair in the Department of Medicine and the director of the HIV/AIDS Program in the Division of Infectious Diseases at the New Jersey University of Medicine and Dentistry.

Oral Presenters:

Clarie Farel, MD, MPH

Claire Farel is an Infectious Diseases clinician and clinical researcher at the University of North Carolina at Chapel Hill. She completed her clinical training in the Brigham and Women's Hospital/Massachusetts General Hospital combined Infectious Diseases fellowship and moved back to her native North Carolina in 2010. Her research focus includes HIV and HIV risk factors in vulnerable populations, particularly among women, and she has a special interest in incarcerated persons.

Gloria Gakii Kimani, MA

Gloria G. Kimani (MA in Social science) is from the University of Durham –UK

She is currently working as a Prevention manager with Kenya AIDS Control Project, University of Manitoba-Nairobi. Her key responsibility involves ensuring use combined of evidence-based, cost-effective HIV prevention interventions for Most-At-Risk-Populations (MARPs) under SWOP project in Nairobi. Was instrumental in establishing (Sex Workers Outreach Program) SWOP, a friendly, safe and accessible service provision for sex workers spread across Nairobi.

She has many years of experience working in HIV research among women and children in Nairobi.

Kathleen Krause, BA, MSC

Kathleen Krause is a Senior Clinical Research Project Manager in the Division of Infectious Diseases at Brigham and Women's Hospital, Boston, MA. She received her MSc in Reproductive and Sexual Health Research from the London School of Hygiene and Tropical Medicine in 2009. For her dissertation, she worked with members of LSHTM's Gender Violence & Health Centre to assess survey tools that measure sexual abuse, which contributed to the Centre's report on gender violence for the 2010 WHO Global Burden of Disease project. Kathleen currently volunteers with the Boston Area Rape Crisis Center and Healing Our Community Collaborative.

Allison McFall, BA, MHS

Allison McFall works with the Stat-Epi group in the Department of Epidemiology at Johns Hopkins Bloomberg School of Public Health where she received her Masters of Health Science degree in general epidemiology and methodology. Her research has focused on HIV/AIDS, specifically working with HIV observational cohorts such as the MACS and WIHS. She has previously worked at the Institute of Medicine of the National Academies supporting committee work on topics such as comparative effectiveness research, standards for systematic reviews, and clinical practice guidelines.

2012 Joint Symposium on HIV Research in Women

Lifespan/Tufts/Brown CFAR



[Brown University](#)

The **2012 Joint Symposium on HIV Research in Women** was hosted by the Lifespan/Tufts/Brown Center for AIDS Research. The goal of the symposium was to identify gaps in knowledge in research on HIV and women and to develop strategies that will move the field forward. The specific aims of the conference were to:

1. Identify gaps in knowledge in research related to HIV and women and develop strategies that will move the field forward
2. Generate collaborative activity between the different CFARs and with other research networks highlighting cutting edge science
3. Promote and emphasize opportunities for young investigators

The symposium consisted of three sessions:

HIV Prevention: Special Issues in Women The Prevention session targeted issues related to biomedical prevention opportunities, rollout of efficacy trials, ART for prevention and HIV treatment during a woman's lifespan ([presenter bios](#))

- Dr. Ashley Haase, The anatomy of the humoral immune response to a SIV Vaccine in the female reproductive tract at 1 cm resolution
- [Dr. Connie Celum, STIs/Inflammation and HIV Transmission and Acquisition](#)
- [Dr. Julie Overbaugh, The role of neutralizing antibodies in blocking HIV-infection](#)
- Niall Buckley, BS, HPV-Associated Changes in the Mucosal immune Environment in HIV-infected Women

- [Jenell Coleman, MD, MPH, Method of hormonal contraception is associated with lower tenofovir concentration in health women \(MTN-001\): implications for pre-exposure prophylaxis](#)
- [Velda Mushangwe-Mtisi, MB, CHB, MMed, Analysis of HIV sero-conversion among women survivors of sexual assault at a sexual assault clinic in Zimbabwe](#)
- Marta Rodriguez-Garcia, MD, PhD, Estradiol reduces HIV-infection in CD4+T cells and macrophages

HIV and Reproductive Health The Reproductive Health session targeted fertility issues, contraception issues, HIV transmission in discordant couples and issues related to periconception pre-exposure prophylaxis ([presenter bios](#))

- [Dr. Mardge Cohen, Women, Gender Based Violence and HIV: Resisting "Legitimate" Rape](#)
- [Dr. Charles Wira, Genitoanal Trauma and Mucosal Immunology as it relates to HIV transmission](#)
- Dr. Nelly Mugo, HIV Risk in Pregnancy
- [Dr. Mulindi Mwanahamuntu, Developing Cervical Cancer Screening Programs Using HIV/ART Care and Treatment Structure](#)
- [Laura Dainton, MSci, Young Women's perceptions of contraception and pregnancy in South Africa: Implications for HIV Prevention](#)
- [Roksana Karim, MBBS, PhD, Association of Gonadotropin and sex steroid levels with subclinical atherosclerosis in HIV-infected and uninfected women in the Women's Interagency HIV study \(WIHS\)](#)
- Rebecca Pellett Madan, MD, MS, Bactericidal E. coli activity in female genital tract secretions as a biomarker of HIV progression and acquisition risk
- Daniel Westreich, PhD, Incident pregnancy and time to death or AIDS among HIV-positive women receiving antiretroviral therapy

Health Disparities & Social Vulnerabilities of Women The Health Disparities session targeted community engagement, access to and retention in care, adherence to therapy, gender disparities, HIV in older women, adolescents, minority women, social & structural issues – participation in clinical trials, food security, nutrition, and behavioral issues/change ([presenter bios](#))

- [Dr. Gloria Heresi, Issues in adolescent women living with perinatal HIV infection](#)
- [Dr. Alice Tang, Food Insecurity and HIV Outcomes in HIV infected Women](#)
- Dr. Sally Hodder, Health disparities in the ISIS cohort
- [Claire Farel, MD, MPH, Hit, kicked, slapped, bit, raped: Trauma, Violence, and HIV risk among incarcerated African-American Women in NC](#)
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- Kathleen Krause, BA, MSC, Current practice of HIV post-exposure prophylaxis treatment for sexual assault patients in an Emergency Department
- [Allison McFall, BA, MHS, Understanding the Disparity: Predictors of virologic failure in women using highly active antiretroviral therapy vary by race and ethnicity](#)

Each session **integrated areas of basic, clinical and social behavioral sciences** and consisted of invited speakers and presentations by junior investigators. The intent of this symposium was not only to discuss the state of the science in each field but to critically review the issues for their relevance to women, to identify gaps, and to develop recommendations on how to fill in these gaps. It was also the intent of the CFAR investigators to help inform funding agencies as to the most relevant issues affecting HIV infected women.

- [Keynote Speaker - Scott McClelland, MD, MPH, Hormonal Contraception & HIV: Still searching for answers after more than 2 decades](#)