

BARBARA A. FRIEDLAND, MPH

Population Council

One Dag Hammarskjold Plaza

New York, NY 10017

+1 212 339 0629

bfriedland@popcouncil.org

SUMMARY

Creative, passionate, and hard-working public health professional with over 15 years of experience designing and implementing high-quality HIV prevention and reproductive health research in the US and developing countries.

CURRENT POSITION

Population Council, New York, NY

Associate, 2007 – Present

(Staff Program Associate, 2006 – 2007)

- ***Research***

Lead clinical trials of microbicides and multi-purpose prevention technologies (MPTs) sponsored by the Population Council. Develop, manage, and publish clinical and behavioral research on HIV/AIDS prevention. Serve as principal investigator or co-investigator on domestic and international studies. Areas of expertise include clinical trial protocol development and methodological research related to development of topical microbicides; operations research related to male circumcision, post-exposure prophylaxis (PEP) and pre-exposure prophylaxis (PrEP); and research to improve the informed consent in clinical trials and in service delivery.

- ***Fundraising***

Initiate and participate in funding proposals. Summary of grants awarded include:

- Principal Investigator (PI), Microbicide Trials Network to pre-test rectal microbicide trial video (\$50,000; 2011);
- Co-PI, MAC AIDS Foundation to create rectal microbicide educational video (\$50,000 in partnership with International Rectal Microbicides Advocates; 2011);
- Co-investigator, NIH R21 grant for a microbicides feasibility study in India (\$275,000; 2008);
- PI and Co-investigator, Gates Foundation consortium grant (PSI prime) to scale-up male circumcision in Zambia and Swaziland (\$7 million; 2008);
- PI and co-investigator, US Agency for International Development (USAID) to conduct microbicides behavioral research (\$750,000; 2006);
- PI, Video production grant from the International Partnership for Microbicides (\$250,000; 2005);
- PI, NIH Meeting Grant to conduct a seminar on informed consent in HIV prevention research.

- ***Educational materials development***

Lead production of print and video educational materials to improve informed consent process related to HIV/AIDS research and service delivery. Involves needs assessment, identification of funding, collaboration with sister organizations to ensure product will meet groups' needs, and overseeing actual materials production process, from articulation of concept, pre-testing, completion, and dissemination.

PREVIOUS EXPERIENCE

Population Council, New York, NY

Program Manager, 2000 – 2006

(Previously Program Coordinator, 1998 – 2000)

- ***Study Coordination***

Coordinated Phase 1/2 trials of the candidate microbicide, Carraguard, in South Africa and Thailand. Created case report forms and study manuals; developed educational materials; established standard operating procedures (SOPs) (such as monitoring and product accountability); managed budgets and sub-awards to sites; conducted on-site monitoring visits according to US FDA regulations and International Conference on Harmonisation (ICH) guidelines.

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- ***Program Administration***

Managed reproductive health program (\$4 million annual budget). Negotiated budgets with donors and grantees, wrote proposals and reports to donors, prepared financial reports, and monitored grant expenditures.

Population Council, New York, NY

Staff Assistant, March 1996 – December 1997

(Temporary assistant, January – March 1996)

- Assisted program staff with submitting donor proposals and tracking grant expenditures.
- Organized meetings, handled travel arrangements, purchase requests, and other administrative tasks.

Open City Films, New York, NY

Business Affairs/Public Relations Manager, August 1995 – January 1996

Managed office operations, including creating new accounting system; wrote press releases and arranged distributor screenings; handled music licensing.

Orpheus Chamber Orchestra, New York, NY

Orchestra Manager, October 1987 – July 1995

Managed \$3 million annual budget, including planning and leading 4-5 yearly concert tours in Europe, Asia, South America, and the U.S.; developed educational programs and pre-concert events; produced Carnegie Hall concerts, recordings, and special projects.

British Airports Authority, PLC, London, England.

Assistant Press Officer, January 1987 – August 1987

Arranged press conferences and journalist interviews; dealt with heavy volume of press inquiries during privatization.

EDUCATION

June 2010 MPH, Certificate of Achievement, Community Health Education, **Hunter College, City University**, NY, NY.

1986-1987 Post-graduate studies in piano, **The Guildhall School of Music**, London, England.

May 1986 MM, Piano Performance, **Mason Gross School of the Arts, Rutgers University**, New Brunswick, NJ.

May 1983 BA, High Honors, Honors in Music, **Douglass College, Rutgers University**, New Brunswick, NJ.

1981-1982 One-year program, **Hebrew University** and **Rubin Academy of Music**, Jerusalem, Israel.

CLINICAL RESEARCH TRAINING

2009 Drug Development and FDA Regulations, Barnett-Parexel, NY, NY.

2001 Clinical Project Management in the Pharmaceutical Industry, Barnett-Parexel, Piscataway, NJ.

2000 Adverse Events Reporting, Barnett-Parexel, Philadelphia, PA.

1998 Clinical Trial Monitoring, Barnett-Parexel, San Diego, CA.

SKILLS

COMPUTER: Microsoft Office (Excel, Word, Power Point, Access), SPSS, SAS, Atlas.ti.

FILM/VIDEO: Editing (8mm and 16mm film; 1/2", 3/4" and Beta; some AVID and Final Cut Pro), Camcorder.

LANGUAGES: Reading/writing/conversational Hebrew; some French, Italian and Spanish.

INVITED REVIEWER

AIDS, AIDS and Behavior, PLOS One, PLOS Medicine

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MEMBERSHIPS

- 2010-present American Public Health Association (APHA)
2010-present Public Health Association of New York City (PHANYC)

SELECTED FILM/VIDEO CREDITS

- 2013 **CONCEPT AND SCRIPT (WITH FIONA SUMMERS):** *PEP: Preventing HIV after exposure*. Johannesburg, South Africa: Solutions IPPT and Population Council, Inc. Educational video in 5 languages (Afrikaans, English, Setswana, Zulu, Xhosa).
- 2012 **EXECUTIVE PRODUCER:** *The Rectal Revolution is Here: an Introduction to Rectal Microbicide Clinical Trials*. New York, NY and Chicago, IL: Population Council and International Rectal Microbicide Advocates. Educational video in 3 languages (English, Spanish, Thai) about rectal microbicide clinical trials (13 minutes).
- 2009 **EXECUTIVE PRODUCER:** *Microbicides Trials in Your Community*. Silver Spring, MD: International Partnership for Microbicides. Educational video in 5 languages (English, French, Swahili, Xhosa, Zulu) about microbicide clinical trials (20 minutes).
- 2003 **EXECUTIVE PRODUCER:** *Carraguard[®] Clinical Trial* (Population Council/Pandamonium Productions). Recruitment video in 4 languages (English, Zulu, Xhosa, Setswana) for use in South Africa (20 minutes).
- 2003 **CO-PRODUCER:** *Carraguard[®] Product Development* (Population Council/DWJTV). Streaming video segments on Population Council's website about Carraguard[®], a product to prevent HIV (20 minutes).
- 1999 **PRODUCER/DIRECTOR:** *From Coercion to Choice: The Hysterectomy Epidemic in America* (Friedland/NOW NYC). Documentary about the high rate of unnecessary hysterectomies performed in the US, the majority of which are done for benign conditions (45 minutes). Broadcast on Manhattan Neighborhood Network (MNN) and screened at NOW and the Population Council.
- 1998 **PRODUCER:** *Look at Me* (LiPo Ching, director; Ching/Wallstein Productions). Dramatic 35mm film about an autistic boy who responds only to music (30 minutes). Screened theatrically in New York and Los Angeles, and at a number of domestic (US) film festivals.

PUBLICATIONS

- Coggins C, Blanchard K, **Friedland B**. Men's Attitudes Toward a Potential Vaginal Microbicide in Mexico, the U.S. and Zimbabwe. *Reproductive Health Matters*. 2000;8:132-141.
- van de Wijgert J, Elias C, Ellertson C, McGrory CE, Blanchard K, Friedland B, et al. Condom promotion in microbicides trials (letter to the editor). *American Journal of Public Health*. 2000;90:1153.
- Coetzee N, Blanchard K, Ellertson C, Hoosen A, Friedland B. Acceptability and feasibility of Micralax[®] applicators and of methyl cellulose gel placebo for large-scale clinical trials of vaginal microbicides. *AIDS*. 2001;15:1837-1842.
- Wood SY, Friedland B, McGrory CE. Informed Consent: From Good Intentions to Sound Practices. A Report of a Seminar. Ebert Program publication series, Population Council, New York, NY. June 2002.
- Pistorius AG, van de Wijgert JHHM, Sebola M, Friedland B, Nagel E, Bokaba C, Hoosen AA. Microbicide trials for preventing HIV/AIDS in South Africa: Phase II trial participants' experiences and psychological needs. *Journal of Social Aspects of HIV/AIDS*. 2004;1:78-86.
- van de Wijgert J, Jones H, Pistorius A, de Kock A, Sebola M, Friedland B, et al. Phase III Microbicide Trial Methodology: Opinions of Experienced Expanded Safety Trial Participants in South Africa. *Journal of Social Aspects of HIV/AIDS*. 2005;2:311-319.
- Friedland B**. Report from an international workshop on informed consent in HIV prevention trials. *The Microbicide Quarterly*. 2005;3:13-16.
- McGrory CE, Friedland BA, Woodsong C, and MacQueen KM. Informed Consent in HIV Prevention Trials: Report of an International Workshop. Co-hosted by the Population Council and Family Health International, New York City, 2005 May 16-18. New York: Population Council, 2006.

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- Kilmarx PH, van de Wijgert JHHM, Chaikummao S, Jones HE, Limpakarnjanarat K, Friedland BA, et al. Safety and Acceptability of the Candidate Microbicide Carraguard in Thai Women: Findings from a Phase II Clinical Trial. *Journal of Acquired Immune Deficiency Syndromes*. 2006;43:327-334.
- Whitehead SJ, Kilmarx PH, Blanchard K, Manopaiboon C, Chaikummao S, Friedland B, et al. Acceptability of Carraguard® vaginal gel use among Thai couples. *AIDS*. 2006;20:2141-2148.
- Ramjee G, Morar NS, Braunstein S, Friedland B, Jones H, van de Wijgert J. Acceptability of Carraguard, a Candidate Microbicide and Methyl Cellulose Placebo Vaginal Gels among HIV-positive Women and Men in Durban, South Africa. *AIDS Research and Therapy*. 2007;4:20.
- RamaRao S, Friedland B, Townsend JW. A Question of Ethics: Research and Practice in Reproductive Health. *Studies in Family Planning*. 2007;38:229-241.
- van de Wijgert J, Braunstein S, Morar NS, Jones H, Madurai L, Strickfaden T, Moodley M, Aboobaker J, Ndlovu G, Ferguson T, Friedland B, Hart C, and Ramjee G. Carraguard Vaginal Gel Safety in HIV-positive Women and Men in South Africa. *Journal of Acquired Immune Deficiency Syndromes*. 2007;46:538-546.
- Kilmarx PH, Blanchard K, Chaikummao S, Friedland B, Srivirojana N, Connolly C, et al. A randomized, placebo-controlled trial to assess the safety and acceptability of use of Carraguard® vaginal gel by heterosexual couples in Thailand. *Sexually Transmitted Diseases*. 2008;35:226-232.
- Skoler-Karppoff S, Ramjee G, Ahmed K, Altini L, Gehret Plagianos M, Friedland B, et al. Efficacy of Carraguard for prevention of HIV infection in women in South Africa: a randomised, double-blind, placebo-controlled trial. *Lancet*. 2008; 372:1977-1987.
- Jones H, Chaikummao S, van de Wijgert J, Friedland B, Monopaiboon C, Witwatwongwana P, et al. Acceptability of a carrageenan-based candidate vaginal microbicide and its matching placebo: findings from a Phase II safety trial among women in Chiang Rai, Thailand. *Journal of Women's Health* 2009; 18(7):1-8.
- Martin S, Blanchard K, Manopaiboon C, Chaikummao S, Schaffer K, Friedland B, Kilmarx PH. Carraguard acceptability among men and women in a couples study in Thailand. *Journal of Women's Health* 2010; 19:1561-1567.
- The Carraguard Phase II South Africa Study Team (corresponding author: Friedland, B). Expanded safety and acceptability of the candidate vaginal microbicide Carraguard in South Africa. *Contraception* 2010; 82:563-571.
- Whitehead S, McLean C, Chaikummao S, Braunstein S, Utaivoravit W, van de Wijgert J, Mock P, Siraprapasiri T, Friedland B, Kilmarx P, Markowitz L. Acceptability of Carraguard among HIV-infected women in Chiang Rai, Thailand. *PLoS ONE* 2011; 6:e14831.
- Friedland B**, Apicella L, Schenk K, Sheehy M, Hewett PC. Evaluation of the Informed Consent Process for Male Circumcision Scale Up in Zambia. 2011. Population Council Research and Evaluation of Male Circumcision Scale Up – Report #1. New York: Population Council.
- Friedland B**, Apicella L, Schenk K, Sheehy M, Hewett PC. Evaluation of the Informed Consent Process for Male Circumcision Scale Up in Swaziland. 2011. Population Council Research and Evaluation of Male Circumcision Scale Up – Report #3. New York: Population Council.
- Morrison CS, Skoler-Karppoff S, Kwok C, Chen P, van de Wijgert JHHM, Gehret Plagianos M, Patel S, **Friedland B**, Lahteenmaki P. Hormonal contraception and the risk of HIV acquisition among women in South Africa. *AIDS* 2012; 26(4):497-504.
- Schenk K, **Friedland BA**, Apicella L, Sheehy M, Munjile K, Hewett PC. On the cutting edge: Improving the informed consent process for adolescents in Zambia undergoing male circumcision for HIV prevention. *Vulnerable Children and Youth Studies: An International Interdisciplinary Journal for Research, Policy and Care* 2012; 7(2):116-127. DOI:10.1080/17450128.2011.651173.
- Mensch BS, **Friedland BA**, Abbott SA, Katzen LL, Tun W, Kelly CA, et al. Characteristics of female sex workers in Southern India willing and unwilling to participate in a placebo gel trial. *AIDS and Behavior* 2013; 17:585-597.

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- Abbott SA, **Friedland BA**, Sarna A, Katzen LL, Rawiel U, Srikrishnan AK, et al. 2013. An evaluation of methods to improve the reporting of adherence in a placebo gel trial in Andhra Pradesh, India. *AIDS and Behavior* 2013; published online ahead of print, 9 January.
- Friedland BA**, Apicella L, Schenk KD, Sheehy M, Hewett P. How informed are clients who consent? A mixed-method evaluation of comprehension among clients of male circumcision services in Zambia and Swaziland. *AIDS and Behavior* 2013; 17(6):2269-2282.
- Sarna A, **Friedland BA**, Srikrishnan AK, Katzen LL, Tun W, Abbott SA, et al. Sexually transmitted infections and reproductive health morbidity in a cohort of female sex workers screened for a microbicide feasibility study in Nellore, India. *Glob J Health Sc* 2013; 5(3):139-149.
- Woodsong C, MacQueen K, Amico R, **Friedland B**, Gafos M, Mansoor L, et al. 2013. Microbicide clinical trial adherence: insights for introduction. *JIAS* 2013; 16:18505. doi.org/10.7448/IAS.16.1.18505
- Mack N, Ramirez C, **Friedland B**, and Nnko S. 2013. Lost in translation: assessing effectiveness of focus group questioning techniques to develop improved translation of terminology used in HIV prevention clinical trials. *PLoS One*, 8(9): e73799. PMID: PMC3769359
- Ramirez C, Mack N, **Friedland B**. *A Toolkit for Developing Bilingual Lexicons for International HIV Prevention Clinical Trials*. New York: Population Council and FHI 360, 2013.
- Dube S, **Friedland B**, Mullick S, Brady M, McGrory E. *Policy and program considerations for ARV-based prevention for women: insights from key opinion leaders in Zimbabwe about tenofovir gel*. New York: Population Council, 2013.
- van der Straten A, Cheng H, Mensch B, Katzen L, **Friedland B**, Littlefield S et al. Evaluation of three methods for assessing adherence to vaginal gel application in clinical trials. *Sex Transm Dis* 2013; 40(12):950-6. doi: 10.1097/OLQ.0000000000000053.
- Keller MJ, Buckley N, Katzen LL, Walsh J, **Friedland B**, Littlefield S, et al. Use of the Dye Stain Assay and Ultraviolet Light Test for Assessing Vaginal Insertion of Placebo-filled Applicators Before and After Sex. *Sex Transm Dis* 2013; 40(12):939-43. doi: 10.1097/OLQ.0000000000000040.
- Schenk KD, **Friedland B**, Chau M, et al. Enrollment of young women aged 16-17 years old in microbicide trials: an evidence-based approach. *Journal of Adolescent Health*. 2014; 54(6):654-662.
- Schenk KD, **Friedland B**, Sheehy M, Apicella L, Hewett PC. Making the cut: Evidence-based lessons for improving the informed consent process for voluntary medical male circumcision in Swaziland and Zambia. *AIDS Education and Prevention*. 2014; 26(2):170-184.
- Tolley EE, **Friedland BA**, Gafos M, Amico KR, Van Damme L, Woodsong C, et al. Socioeconomic and behavioral factors influencing choice, adherence and success of microbicide formulations. In Neves, J.D. and Sarmiento, B. (Eds.), *Drug Delivery and Development of Anti-HIV Microbicides*. Singapore: Pan Stanford Publishing. 2014.
- Lanham M, Wilcher R, Montgomery ET, Pool R, Schuler S, Lenzi R, **Friedland B**. Engaging Male Partners in Women's Microbicide Use: Evidence from Clinical Trials and Implications for Future Research and Microbicide Introduction. *JIAS* 2014; 17(Suppl 2):19159.
- MacQueen KM, Tolley EE, Owen DH, Amico KR, Morrow KM, Moench TR, Friend D, **Friedland B**. An interdisciplinary framework for measuring and supporting adherence in HIV prevention trials of ARV-based vaginal rings. *JIAS* 2014; 17(Suppl 2):19158.
- Tun W, Katzen LL, Abbott SA, Srikrishnan AK, Kelly CA, Sarna A, **Friedland BA**, et al. Using a 2-stage strategy with respondent-driven sampling to recruit a hard-to-reach population for a placebo microbicide gel clinical trial in Nellore, Andhra Pradesh (India). *AIDS and Behav* 2014; doi 10.1007/s10461-014-0928-1.
- Morrison CS, Chen P, Kwok C, Baeten JM, Brown J, Crook A, Van Damme L, Delany-Moretlwe S, Francis SZ, **Friedland BA**, et al. Hormonal contraception and the risk of HIV acquisition: an individual participant data meta-analysis. *PLOS Medicine* 2015; DOI:10.1371/journal.pmed.1001778.
- Kelly CA, **Friedland B**, Morar N, Katzen LL, Ramjee G, Mokgatle M, et al. To tell or not to tell: Male partner

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engagement in a Phase 3 microbicide efficacy trial in South Africa. *Cult Health Sex* 2015; in press.

Friedland B, Gehret Plagianos M, Govender S, Morar N, Altini L, Skoler-Karhoff S, et al. Baseline predictors of adherence in a microbicide trial in South Africa. Under review at *AIDS and Behavior*.

Abbott SA, Morar N, Mokgathe-Nthabu M, **Friedland B**, Katzen L, Mabina S, Phillips J. Influence on sexual socialization and gender scripts on microbicide acceptability and use: A qualitative exploration. Submitted for publication.

INVITED PRESENTATIONS

Friedland B. Ethical Issues in Microbicides Testing. Lecture presented at: Yale AIDS Colloquium Series, Center for Interdisciplinary Research on AIDS (CIRA), Yale University; 2003 May 1; New Haven, CT.

Friedland B, Marumo M, Maleka E. Burdens & Benefits in a Phase II trial of Carraguard in South Africa: a case study. Oral presentation at: International Consultation on Ethical Issues in the Clinical Testing of Microbicides. Global Campaign for Microbicides; 2003 October 22-23; Washington, DC.

Friedland B. Adherence in the Carraguard[®] Phase 3 Trial. Alliance for Microbicide Development and Family Health International Adherence Meeting; 2007 December 17-18; Washington, DC.

Friedland B. Exit Interviews in the Carraguard[®] Phase 3 Trial. Alliance for Microbicide Development and Family Health International Adherence Meeting; 2007 December 17-18; Washington, DC.

Friedland B, Palanee T, Skhosana J, Ahmed K, Mtimkulu V, Patel S. Site Coordination: Carraguard Phase 3 Trial. US Agency for International Development, Cooperating Agencies Meeting; 2009, January 13; Washington, DC.

Friedland B. Pregnancy/Contraception: Carraguard Phase 3 Trial. US National Institutes of Health Meeting on Pregnancy and Contraception in Microbicide Trials; 2009: March 9, Washington, DC.

Friedland B, Mensch B. Pregnancy/Contraception: Lessons Learned from the Carraguard Phase 3 Trial and Future Recommendations. US National Institutes of Health Meeting on Pregnancy and Contraception in Microbicide Trials; 2009: March 9, Washington, DC.

Friedland B. Pregnancy/Contraception: Carraguard Phase 3 Trial. Global Campaign for Microbicides, Consultation on Family Planning and Contraception in HIV Prevention Trials; 2009: April 24, Washington, DC.

Friedland B, van de Wijgert J, Maguire R. Moving Carraguard (PC-515) into Phase 3 testing. US National Institutes of Health, Microbicide Safety Meeting; 2009: November 30, Washington, DC.

ABSTRACTS

Blanchard K, Coggins C, **Friedland B**, and van de Wijgert J. Men's Attitudes Toward Vaginal Products: A Three-Country Study. Poster session presented at: XII International Conference on AIDS; 1998 June 28-July 3; Geneva, Switzerland.

Friedland B, Magwaza S, Coetzee N, McGrory CE. Informed Consent in Microbicides Testing. Poster session presented at: Thirteenth Meeting of the International Society of Sexually Transmitted Diseases Research; 1999 July 11-14; Denver, CO.

McGrory CE, Magwaza S, Coetzee N, **Friedland B**. Informed Consent in Microbicides Testing. Panel discussion at: U.S. Centers for Disease Control and Prevention's National HIV Prevention Conference; 1999 August 29-September 1; Atlanta, GA.

McGrory CE, Magwaza S, Coetzee N, **Friedland B**. Informed Consent in Microbicides Testing. Roundtable presentation at: 127th Annual Meeting of the American Public Health Association; 1999 November 7-11; Chicago, IL.

Friedland B, Magwaza S, Coetzee N, McGrory CE. Informed Consent in Microbicides Testing. Oral presentation at: Microbicides 2000; March 13-16; Washington, DC.

Blanchard K, Coetzee N, Hoosen A, **Friedland B**, Ellertson C. Assessing the feasibility and acceptability of the

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Micralax® applicator. Poster session presented at: Microbicides 2000; March 13-16; Washington, DC.

Friedland B, Magwaza S, Coetzee N, McGrory CE. Informed Consent in Microbicides Testing. Oral presentation at: XIII International Conference on AIDS; 2000 July 9-14; Durban, South Africa.

Friedland B, McGrory CE. U.S. Women's Attitudes Toward a Potential Microbicide. Poster presentation at: Fourteenth Meeting of the International Society of Sexually Transmitted Diseases Research (ISSTDR/IUSTI); 2001 June 24-27; Berlin, Germany.

Coetzee N, Hoosen A, Blanchard K, de Kock A, Sebola M, Ellertson C, **Friedland B**. Baseline STI prevalence: Carraguard™ vaginal microbicide safety trial. Oral presentation at: Fourteenth Meeting of the International Society of Sexually Transmitted Diseases Research (ISSTDR/IUSTI); 2001 June 24-27; Berlin, Germany.

Kilmarx P, Supawitkul S, Witwatwaongwana P, Jones H, **Friedland B**, van de Wijgert J, Tappero JW. A randomized clinical trial of safety and acceptability of a carrageenan gel as a vaginal microbicide: Adherence to instructions on gel and condom use. Oral presentation at: Sixth International Congress on AIDS in Asia and the Pacific; 2001 October 5-10; Melbourne, Australia.

Blanchard K, Coetzee N, Hoosen A, **Friedland B**, Sebola M, de Kock A, Ndlovu G, Altini L, Ellertson C, Tweedy K. A randomized placebo-controlled double-blind expanded safety trial of Carraguard™ microbicide gel in South Africa: study gel acceptability. Poster session presented at: Microbicides 2002; May 12-15; Antwerp, Belgium.

Coetzee N, Hoosen A, Blanchard K, de Kock A, Sebola H, **Friedland B**, Ellertson C, Nkompela N, Altini L, Ndlovu G, Tweedy K. Safety of a lambda carrageenan microbicide (Carraguard™) in South Africa. Oral presentation at: Microbicides 2002; May 12-15; Antwerp, Belgium.

Friedland B, McGrory CE, Magwaza S, de Kock A, Coetzee N, Marumo M, Sebola M. Informed consent in an expanded safety trial of Carraguard™: lessons learned. Oral presentation at: Microbicides 2002; May 12-15; Antwerp, Belgium.

Hoosen A, Coetzee N, Blanchard K, Dangor Y, de Kock A, **Friedland B**, Sebola M, Williams N, Altini L, Ellertson C, Monedi C. A randomized placebo-controlled double-blind expanded safety trial of Carraguard™ microbicide gel in South Africa: RTI/STI at baseline and follow-up. Poster session presented at: Microbicides 2002; May 12-15; Antwerp, Belgium.

Kilmarx PH, Witwatwongwana P, Supawitkul S, Blanchard K, Young NL, **Friedland B**, Chaikummao S, van de Wijgert J. Male and female enrollment characteristics and follow-up rates in a clinical trial of carrageenan microbicide gel use among heterosexual couples. Poster session presented at: Microbicides 2002; May 12-15; Antwerp, Belgium.

Manapaiboon C, Kilmarx P, Watcharinyanond K, Achalapong J, **Friedland B**, Chaikummao S, Guest P, Tappero JW. Acceptability of gel and applicator use in a year-long, randomized, controlled clinical trial of a carrageenan gel as a vaginal microbicide. Poster session presented at: Microbicides 2002; May 12-15; Antwerp, Belgium.

Pistorius A, Nagel E, Bokaba C, Sebola H, Hoosen A, van de Wijgert J, **Friedland B**. Study participants' psychological needs and their evaluation of microbicides trials. Poster session presented at: Microbicides 2002; May 12-15; Antwerp, Belgium.

van de Wijgert J, Jones H, Pistorius A, de Kock A, Sebola M, **Friedland B**, Coetzee N, Hoosen A. Phase II microbicide trial participants' opinions about phase III trial methodology. Poster session presented at: Microbicides 2002; May 12-15; Antwerp, Belgium.

Blanchard K, Coetzee N, Hoosen A, **Friedland B**, Sebola M, de Kock A, Ndlovu G, Altini L, Ellertson C, Tweedy K. A randomized, placebo-controlled, double-blind expanded safety trial of Carraguard™ microbicide gel in South Africa: Study gel acceptability. Poster session presented at: XIV International Conference on AIDS; 2002 July 7-12; Barcelona, Spain.

Coetzee N, Hoosen A, Blanchard K, de Kock A, Sebola M, **Friedland B**, Ellertson C, Nkompela B, Altini L, Ndlovu G, Tweedy K. A randomized, placebo-controlled, double-blind expanded safety trial of Carraguard™ microbicide gel in South Africa: Signs and symptoms of genital irritation. Oral presentation at: XIV International Conference on AIDS; 2002 July 7-12; Barcelona, Spain.

Friedland B, McGrory E, Magwaza S, Marumo M, de Kock A, Sebola M, Coetzee N. Informed consent in a Phase II trial of the potential microbicide Carraguard™: Lessons learned. Oral presentation at: XIV International Conference on

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AIDS; 2002 July 7-12; Barcelona, Spain.

Hoosen A, Coetzee N, Blanchard K, Dangor Y, de Kock A, **Friedland B**, Sebola M, Williams N, Altini L, Ellertson C, Monedi C. A randomized, placebo-controlled double-blind expanded safety trial of Carraguard™ microbicide gel in South Africa: RTI/STI at baseline and follow-up. Poster session presented at: XIV International Conference on AIDS; 2002 July 7-12; Barcelona, Spain.

Manopaiboon C, Kilmarx PH, Watcharinyanond K, Achalapong J, **Friedland B**, Chaikummao S, Guest P, Tappero JW. A year-long, randomized, controlled clinical trial of a carrageenan gel as a vaginal microbicide: Acceptability of gel and applicator use. Poster session presented at: XIV International Conference on AIDS; 2002 July 7-12; Barcelona, Spain.

van de Wijgert J, Jones H, Pistorius A, de Kock A, Sebola M, **Friedland B**, Coetzee N, Hoosen A. Phase II microbicide trial participants' opinions about phase III trial methodology. Poster session presented at: Microbicides 2002; May 12-15; Antwerp, Belgium.

de Kock A, Pistorius A, Nagel E, Bokaba C, Hoosen A, van de Wijgert J, Sebola M, **Friedland B**. Promoting an African Alliance to Mitigate the Effects of HIV/AIDS on a Sustainable Basis. Oral presentation at: African Conference for Social Aspects of HIV/AIDS Research (SAHARA); 2002 September 2-4; Pretoria, South Africa.

Pistorius A, van de Wijgert J, **Friedland B**, Blanchard K, Ndlovu G, Sebola M, Coetzee N. The feasibility of Microbicide trials in South Africa: Experiences from the Phase II expanded safety study of Carraguard™. Poster session presented at: 8th Reproductive Health Priorities Conference; 2002 October 1-4, Johannesburg, South Africa.

Friedland B, McGrory E, Magwaza S, Marumo M, de Kock A, Sebola M, Coetzee N. Ensuring Informed Consent: Lessons learned from the Expanded Safety Trial of the Potential Microbicide, Carraguard™. Poster session presented at: 8th Reproductive Health Priorities Conference; 2002 October 1-4, Johannesburg, South Africa.

Blanchard K, Witwatwongwana P, Supawitkul S, Chaikummao S, **Friedland B**, Mock P, Tappero J, Kilmarx P. Acceptability of Carraguard® among heterosexual couples in a six-month clinical trial in Thailand. Poster session presented at: Microbicides 2004 Conference; March 28-31, London, England.

Braunstein S, Morar N, Gumede S, Ndlovu G, **Friedland B**, Ferguson T, Ramjee G, van de Wijgert J. Acceptability of Carraguard® Among HIV-infected women and men in a safety trial in South Africa. Poster session presented at: Microbicides 2004 Conference; March 28-31, London, England.

Friedland B, Marumo P, de Kock A, Skoler S, Ngozela V, Monedi C, McGrory E, van de Wijgert J. Development of a recruitment video for a Phase 3 trial of Carraguard®. Oral presentation at: Microbicides 2004 Conference; March 28-31, London, England.

Kilmarx P, Wankrairoj M, Achalapong J, Blanchard K, Chaikummao S, Connolly C, **Friedland B**, Tappero J. Safety of Carraguard use by heterosexual men in a six month clinical trial in Thailand. Oral presentation at: Microbicides 2004 Conference; March 28-31, London, England.

Molete D, Pistorius A, Rathlagana M, **Friedland B**. Community participation in a Ga-Rankuwa/ Soshanguve Phase III Carraguard trial®. Poster session presented at: Microbicides 2004 Conference; March 28-31, London, England.

Rathlagana M, Pistorius A, Molete D, **Friedland B**, Skoler S. Partner involvement in a Phase III Carraguard® trial. Poster session presented at: Microbicides 2004 Conference; March 28-31, London, England.

Ahmed K, Cassim N, Rathlagana M, **Friedland B**, Ferguson T, Bracken H, van Dam J. An evaluation of the strategies for care and support of women who test positive for HIV during screening for the Phase 3 Trial of Carraguard® in Soshanguve, South Africa. Poster session presented at: Microbicides 2006 Conference; April 23-26, Cape Town, South Africa.

Abbott S, **Friedland B**, Katzen L. Health Concerns and HIV Risk Perception as Motives to Join a Clinical Trial. Oral presentation presented at: 36th Annual Psychosocial Workshop; 2007 April 15-16, New Orleans, LA.

Friedland B, Skoler S, De Kock A, Katzen L, Williams M, Mtinkulu V, Mehlomakulu V, Abbott S. Evaluation of a video to enhance the informed consent process in a Phase 3 trial of the microbicide Carraguard® for preventing HIV seroconversion in women. Poster session presented at: 3rd South African AIDS conference; 2007 June 5-8; Durban, South Africa.

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Harries J, S Patel, N Cassim, V Mtimkulu, **B Friedland**, K Ahmed, T Palanee, N Morar, C Milford. An evaluation of care and support of women who test HIV positive during the Phase 3 microbicide Carraguard® trial in South Africa. Poster session presented at: 3rd South African AIDS conference; 2007 June 5-8; Durban, South Africa.

Abbott S, **Friedland B**, Katzen L, De Kock A, Madiba S, Cishe S. Decision Making and the Influences of Others in the Informed Consent Process: A Qualitative Investigation in the Phase 3 Study of Carraguard®. Poster session presented at: Microbicides Conference; 2008 February 24-27; New Delhi, India.

Abbott S, **Friedland B**, de Kock A, Harries J, Morar N, Madiba S, Katzen L. Challenges implementing behavioral research in microbicides clinical trials. Poster session presented at: Microbicides Conference; 2008 February 24-27; New Delhi, India.

Friedland B, Skoler S, De Kock A, Katzen L, Apicella L, Williams MM, Mehlomakulu V, Mtimkulu V. Evaluation of a video to enhance the informed consent process in the Phase 3 Carraguard® trial. Poster session presented at: Microbicides Conference; 2008 February 24-27; New Delhi, India.

Friedland B, Littlefield S, Skoler S, de Kock A, Palanee T, Gehret M, Katzen L, Morar N, Mehlomakulu V, Williams MM. Impact of Acceptability on Adherence in the Carraguard® Phase 3 Trial. Poster session presented at: Microbicides Conference; 2008 February 24-27; New Delhi, India.

Gehret M, Palanee T, Skhosana J, **Friedland B**, Littlefield S, de Kock A, Williams M, Skoler S. Male Partner Circumcision and HIV Seroconversion Among Participants in the Phase 3 Carraguard® Microbicide Trial. Oral presentation at: Microbicides Conference; 2008 February 24-27; New Delhi, India.

Katzen L, **Friedland B**, Abbott S, de Kock A, Madiba S, Cishe S. Qualitative Evaluation of the Informed Consent Process in the Phase 3 Carraguard® Efficacy Trial: Study Staff Experiences and Recommendations for Future Trials. Poster session presented at: Microbicides Conference; 2008 February 24-27; New Delhi, India.

Littlefield S, Gehret M, **Friedland B**, Katzen L, Maguire R, Govender SN, Vilakazi H, Carolus N, Rossier J, Sibanyoni F, Modise J, Palanee T, Ramjee G, de Kock A, Ahmed K. An Analysis of Varying Measures of Adherence Among Women Enrolled in the Carraguard® Phase 3 Trial. Oral presentation at: Microbicides Conference; 2008 February 24-27; New Delhi, India; Abstract no. 533.

Madiba S, **Friedland B**, Abbott S, Katzen L, de Kock A, Cishe S. Male partner involvement in the Carraguard® Phase 3 Trial: Data from a qualitative study of the informed consent process. Poster session presented at: Microbicides Conference; 2008 February 24-27; New Delhi, India.

Harries J, Patel S, Cassim N, **Friedland B**, Ahmed K, Mtimkulu V, Palanee T, Morar N, Milford C. An evaluation of care and support of women who test HIV positive during the Phase 3 Carraguard® Trial in South Africa. Oral presentation at: Microbicides Conference; 2008 February 24-27; New Delhi, India.

Skoler S, **Friedland B**, Gehret M, Ngcozela N, Mthembu P, Palanee T, de Kock A, Ahmed K, Ratlhagana M. Challenges and results of including 16-17 year old women in the Carraguard® Phase 3 Efficacy Trial. Oral presentation at: Microbicides Conference; 2008 February 24-27; New Delhi, India.

de Kock A, Abbott S, Morar N, **Friedland B**, Mtimkulu V, Cishe S, Madiba S, Phillip J, Gehret M, Katzen L, Mokgatle-Nthabu M. Exploring microbicide acceptability in terms of socio-cultural norms, relationships and product attributes in the Carraguard® Phase 3 trial in South Africa. Poster session presented at: XVII Annual International AIDS Conference; 2008 August 3-8; Mexico City, Mexico.

Abbott S, **Friedland B**, Katzen L, Madiba S, de Kock A, Cishe S. What motivates women to enroll in microbicide clinical trials: Results from the Phase 3 Carraguard® Trial. Poster session presented at: XVII Annual International AIDS Conference; 2008 August 3-8; Mexico City, Mexico.

Katzen L, **Friedland B**, Gehret M, Littlefield S, de Kock A, Palanee T, Morar N, Apicella L, Mehlomakulu V, Williams MM. Impact of Acceptability on Adherence in the Carraguard® Phase 3 Trial. Poster session presented at: XVII Annual International AIDS Conference; 2008 August 3-8; Mexico City, Mexico.

Apicella L, Sheehy M, **Friedland B**, Schenk K, Adams A, Hewett PC. A quantitative assessment of key concepts in the informed consent process among male circumcision clients in Swaziland. Oral Presentation at the Swaziland National

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Health and Research Conference; 2010 November 3-5; Ezulwini, Swaziland.

Littlefield S, Rankin J, **Friedland B**, Mensch B, Hewett PC, Abbott S, Ahmed K, Patel S, Ramjee G, Palanee T. The Performance of the Population Council Applicator Test in a Simulated Microbicide Trial. Oral presentation at: Microbicides Conference; 2010 May 23; Pittsburgh, Pennsylvania.

Abbott S, Morar N, Madiba S, Katzen L, Phillips J, Mokgatle-Nthabu M, **Friedland B**. Microbicides Acceptability: The Influence of Social and Cultural Norms, Interpersonal Relations and Sexual Socialization. Oral presentation at: Microbicides Conference; 2010 May 23; Pittsburgh, Pennsylvania.

Friedland B, Gawarecki D, Gehret M, Skoler S, Altini L, Ahmed K, Ramjee G, Patel S, Monedi C, Morar N, Govender S, Maguire R, Lahteenmaki P. Predictors of adherence in the Carraguard Phase 3 trial in South Africa. Oral presentation at: Microbicides Conference; 2010 May 23; Pittsburgh, Pennsylvania.

Abbott S, **Friedland B**, Katzen L, Sarna A, Rawiel U, Sri Krishnan AK, Tun W, Solomon S, Mensch B. Is The Juice Worth the Squeeze? The Feasibility of Interactive Voice Response Surveys (IVRS) to Report Adherence to Study Protocol in a High-Risk, Resource-Poor Area. Oral presentation at: 6th International Conference on HIV Treatment and Prevention Adherence Conference; 2011 May 22-24; Miami, Florida.

Kanyemba B, Schiebe A, Brown B, Pickett J, **Friedland B**, Chatani M, Kaggwa A, Bekker L. Development of rectal microbicides (RM) in Africa – the advocacy needed to make it happen. Poster presentation at the Top to Bottom Conference; 2011 May 22-25; Cape Town, South Africa.

Friedland B, Apicella L, Sheehy M, Schenk K, Munjile K, Adams A, Hewett PC. Assessing comprehension of key informed consent concepts among clients undergoing male circumcision during scale up of services in Zambia and Swaziland. Poster session presented at: 19th International Society for Sexually Transmitted Disease Research (ISSTD) Conference; 2011 July 10-13; Québec City, Canada.

Friedland B, Apicella L, Schenk K, Sheehy M, Hewett PC. Impact of a comprehension assessment among adult and adolescent clients on scale up of male circumcision services in Zambia. Poster session presented at: 6th International AIDS Society Conference on HIV Pathogenesis, Treatment and Prevention; 2011 July 17-20; Rome, Italy.

Friedland B, Schenk K, Sheehy M, Munjile K, Apicella L, Hewett PC. He died because it was traditionally done at the pit ‘Muganda,’ so... that gave me fear – the impact of traditional circumcision on the scale-up of MC services in Zambia. Poster session presented at: 6th International AIDS Society Conference on HIV Pathogenesis, Treatment and Prevention; 2011 July 17-20; Rome, Italy.

Schenk KD, **Friedland B**, Apicella L, Sheehy M, Munjile K, Hewett PC. On the cutting edge: research to improve the informed consent process for adolescents in Zambia undergoing male circumcision for HIV prevention. Oral presentation at: AIDS Impact Conference; 2011 September 12-15; Santa Fe, New Mexico.

Schenk KD, **Friedland B**, Apicella L, Sheehy M, Munjile K, Hewett PC. A cut above? Evidence-based lessons for improving the informed consent process for male circumcision in Swaziland and Zambia. Oral presentation at: American Public Health Association Conference; 2011 October 29-November 2; Washington, DC.

Sarna A, Katzen L, **Friedland B**, Abbott S, Shalini CS, Tun W, Krishnan AK, Solomon S, Mensch B. Gynaecological morbidity and sexually transmitted infections (STIs) among female sex workers (FSWs) screened for enrollment into a simulated microbicide clinical trial in Nellore, India. Poster session presented at: 12th IUSTI World Congress - 35th National Conference of IAS STD & AIDS conference; 2011 November 2-5; New Delhi, India.

Sarna A, Katzen LL, **Friedland BA**, Abbott SA, Shalini CS, Tun W, et al. Gynaecological Morbidity and STIs among FSWs Screened for Enrollment into a Simulated Microbicide Clinical Trial in Nellore, India. Poster presented at: 12th IUSTI world congress 2011; November 2-5; New Delhi, India.

Friedland B, Jones H, Blanchard K. Carraguard trial participants' preferences for a dual protection microbicide gel. Poster session presented at: Multipurpose Prevention Technologies Symposium; 2011 November 3-4; Washington, DC.

Barbara Friedland

Friedland B, Schenk KD, Apicella L, Sheehy M, Munjile K, Adams A, Hewett PC. Improving the informed consent process for adolescents undergoing male circumcision in Zambia and Swaziland. Oral presentation at: 16th International Conference on AIDS and STIs in Africa (ICASA); 2011 December 4-8; Addis Ababa, Ethiopia.

Friedland BA, Abbott SA, Sarna A, Srikrishnan AK, Katzen LL, Rawiel U, et al. Does Advance Knowledge of Biomarkers Improve Adherence and/or the Reporting of Sexual Activity, Gel, and Condom Use among Clinical Trial Participants? Results from a Placebo Gel Trial in Andhra Pradesh, India. Oral presentation at: NIH Behavioral Science Working Group (BSWG) Meeting; 2012 June 6-7; Miami, Florida.

Mensch BS, **Friedland BA**, Tun W, Kelly CA, Abbott SA, et al. Willingness to Participate in a Placebo Gel Trial among Female Sex Workers in Southern India. Oral presentation at: Microbicides 2012 Conference; 2012 April 15-18; Sydney, Australia.

Tun W, Katzen LL, Abbott SA, Srikrishnan AK, Kelly CA, Sarna A, **Friedland BA**, et al. Using a 2-Stage Strategy with Respondent-Driven Sampling to Recruit a Hard-to-Reach Population for a Microbicide Clinical Trial in Nellore, Andhra Pradesh (India). Oral presentation at: Microbicides 2012 Conference; 2012 April 15-18; Sydney, Australia.

Friedland BA, Abbott SA, Sarna A, Srikrishnan AK, Katzen LL, Rawiel U, et al. Does Advance Knowledge of Biomarkers Improve Adherence and/or the Reporting of Sexual Activity, Gel, and Condom Use among Clinical Trial Participants? Results from a Placebo Gel Trial in Andhra Pradesh, India. Oral presentation at: Microbicides 2012 Conference; 2012 April 15-18; Sydney, Australia.

Katzen LL, Abbott SA, **Friedland BA**, Sarna A, Srikrishnan AK, Shalini CS, et al. An Evaluation of Two Methods for Daily Reporting of Adherence in a Placebo Gel Trial in Southern India. Oral presentation at: Microbicides 2012 Conference; 2012 April 15-18; Sydney, Australia.

Sarna A, **Friedland BA**, Srikrishnan AK, Katzen LL, Tun W, Abbott S, et al. Challenges of Obtaining a Suitable Cohort: Sexually Transmitted Infections (STIs) and Reproductive Morbidities among Female Sex Workers (FSWs) Screened for a Microbicide Feasibility Study in Nellore, India. Poster presented at: Microbicides 2012 Conference; 2012 April 15-18; Sydney, Australia.

Lanham M, Wilcher R, Montgomery ET, Pool R, Schuler S, Lenzi R, **Friedland B**, Njoroge B, and Bukusi E. Engaging Male Partners in Women's Microbicide Use: Evidence from Clinical Trials and Implications for Future Research and Microbicide Introduction. Oral presentation at the R4P Conference; 2014 October 28-31; Cape Town, South Africa.

Tolley EE, **Friedland B**, Gafos M, Amico KR, Van Damme L, Woodsong C, et al. Anti-retroviral (ARV)-based prevention for women: a review of factors influencing choice, adherence, and potential success of product formulations. Poster presentation at the 4th International Workshop on HIV & Women, from Adolescence through Menopause; Washington DC, USA; 13-14 January 2014.

Collins C, **Friedland B**, Pickett J. A Rectal Revolution Takes a Village: Developing an educational video about rectal microbicides. Poster presentation at the R4P Conference; 2014 October 28-31; Cape Town, South Africa.

Friedland BA, Taylor D, Ahmed KA, Palanee T, Plagianos M, Katzen LL. Factors associated with sexually transmitted infections and HIV risk in the Carraguard Phase 3 trial. Poster presentation at the R4P Conference; 2014 October 28-31; Cape Town, South Africa.

Creasy G, Hoesley C, **Friedland B**, Zhang S, Plagianos M, Kleinbeck K, Levendosky K, Fernández-Romero J, Zydowsky T. First-in-human Safety and Pharmacokinetics (PK) of a MIV-150/Zinc Acetate/Carrageenan Gel (PC-1005). Poster presentation at the R4P Conference; 2014 October 28-31; Cape Town, South Africa.

Mullick M, Brady M, **Friedland B**, Mango T, Plagianos M, Rapiti R. ARV-based Prevention for Women: New Data on HIV Testing Behaviors from Potential Users of Vaginal Microbicides in Mpumalanga, South Africa." Poster presentation at the R4P Conference; 2014 October 28-31; Cape Town, South Africa.